

ACC Child Care & Development Department

**CDEC 1321: The Infant and Toddler**  
**Synonym 18421**  
**Spring, 2017**

<b>Instructor</b>	
<b>Email</b>	
<b>Phone</b>	
<b>Office Hours and Location</b>	
<b>Lab/Field Experiences hours required</b>	Please note that this course has <u>16</u> hours of field experiences in an infant or toddler classroom at the ACC Lab School or at an approved early childhood setting in the community.
<b>Textbooks</b>	Gonzalez-Mena, Janet & Eyer, Dianne Widmeyer, (2017), <u>Infants, Toddlers, and Caregivers: A Curriculum of Respectful, Responsive, Relationship-Based Care and Education (11th Edition)</u> , New York: McGraw-Hill. ISBN: 9781259870460 (New for fall 2017)

**Course Description**

A study of appropriate infant and toddler (birth to 3 years) child care programs. Topics covered include an overview of development; quality care giving routines; learning environments, materials and activities and age-appropriate teaching/guidance techniques. Course includes 16 hours of field experience per semester. (Formerly CDEC 2321) (3-3-1)

**Instructional Methodology**

Face to Face: Students participate in a variety of activities in class including instructor lectures, group discussions and projects. In addition, 16 hours of regularly scheduled field experiences with infants and/or toddlers is required.

**Course Rationale**

This course serves as an introduction to prenatal development, infancy and toddler-hood with an emphasis on growth and development plus the related caregiving behaviors needed by parents or teachers to positively support these stages.

**Course Prerequisites**

There are no course prerequisites for this course. Students must be eligible to participate in the required field experiences. This course is reading and writing intensive. Although there are no reading and writing requirements for the course, it is highly recommended that students have successfully completed Reading Fundamentals (DEV R 0300) and the Writing Skills I (DEV W 0310) or obtained a satisfactory score on an appropriate placement test.

## **Child Development Program Level Student Learning Outcomes and NAEYC Early Childhood Associate Degree Accreditation Standards**

The Child Development Department Program Level Student Learning Outcomes equate to the NAEYC Standards for Early Childhood Associate Degree Program Accreditation. The NAEYC Standards are noted in the syllabus for the purpose of departmental accreditation. The Standard noted is interchangeable with the similarly numbered Child Development Department Program Level Student Learning Outcome.

The Standards intentionally cover areas of professional preparation that are required to ensure that all young children will receive the kind of early education they need and deserve. Following are the Standards which are included in your coursework:

### **OUTCOME 1: The student will apply an understanding of child development and learning.**

#### ***NAEYC STANDARD 1: Promoting Child Development And Learning***

- 1a: Knowing and understanding young children's characteristics and needs
- 1b: Knowing and understanding the multiple influences on development and learning
- 1c: Using developmental knowledge to create healthy, respectful, supportive, and challenging learning environments

### **OUTCOME 2: The student will explain how to build family and community relationships.**

#### ***NAEYC STANDARD 2: Building Family And Community Relationships***

- 2a: Knowing about and understanding diverse family and community characteristics
- 2b: Supporting and engaging families and communities through respectful, reciprocal relationships
- 2c: Involving families and communities in their children's development and learning

### **OUTCOME 3: The student will demonstrate how to observe, document and assess in order to support young children and families.**

**NA**

#### ***EYC STANDARD 3: Observing, Documenting, and Assessing to Support Young Children and Families***

### **OUTCOME 3: The student will demonstrate how to observe, document and assess in order to support young children and families.**

- 3a: Understanding the goals, benefits, and uses of assessment
- 3b: Knowing about and using observation, documentation, and other appropriate assessment tools and approaches
- 3c: Understanding and practicing responsible assessment to promote positive outcomes for each child
- 3d: Knowing about assessment partnerships with families and with professional colleagues

### **OUTCOME 4: The student will use effective approaches to connect with children and families.**

#### ***NAEYC STANDARD 4: Using Developmentally Effective Approaches To Connect With Children And Families***

- 4a: Understanding positive relationships and supportive interactions as the foundation of their work with children
- 4b: Knowing and understanding effective strategies and tools for early education
- 4c: Using a broad repertoire of developmentally appropriate teaching/learning techniques

4d: Reflecting on their own practice to promote positive outcomes for each child

**OUTCOME 5: The student will use content knowledge to build meaningful curriculum for young children.**

***NAEYC STANDARD 5: Using Content Knowledge To Build Meaningful Curriculum***

5a: Understanding content knowledge and resources in academic disciplines

5b: Knowing and using the central concepts, inquiry tools, and structures of content areas or academic disciplines

5c: Using their own knowledge, appropriate early learning standards, and other resources to design, implement and evaluate meaningful, challenging curricula for children

**OUTCOME 6: The student will demonstrate skills of a professional.**

**6a:** Identifying and involving oneself with the early childhood field

**6b:** Knowing about and upholding ethical standards and other professional guidelines

**6c:** Engaging in continuous, collaborative learning to inform practice

**6d:** Integrating knowledgeable, reflective, and critical perspectives on early education

**6e:** Engaging in informed advocacy for children and the profession

Although Child Development courses may cover many of these Standards, each course emphasizes specific Standards. This course emphasizes the student learning outcomes described in **Standards 1, 2c, 3c, 4a, 4b and 5c.**

**Course Outcomes**

Upon successful completion of CDEC 1321, the student will:

1. Summarize prenatal development.
  - a. Outline stages and major milestones of prenatal development.
  - b. Identify and describe possible environmental factors (teratogens) and their effects on the developing embryo or fetus.
  - c. Describe component components of good prenatal care;

**NAEYC Standard 1**

2. Summarize the birth process.
  - a. Describe stages of labor.
  - b. Compare methods of delivery.
  - c. Describe possible complications of delivery.
  - d. Discuss effects of medication during the birth process;

**NAEYC Standard 1**

3. Discuss theories of development as they apply to infants and toddlers.
  - a. Compare the impact of nature and nurture on the developing child.
  - b. Practice authentic observations of infants and toddlers in relation to developmental milestones;

**NAEYC Standards 1 & 3**

4. Outline growth and development of children from birth to age 3.
  - a. Describe principles of development.
  - b. Explain the importance of brain research as it relates to growth and development of infants and toddlers.
  - c. Describe physical, fine and gross motor and perceptual development.
  - d. Describe cognitive development.
  - e. Describe social development.

- f. Describe emotional development, including self-concept and self-esteem.
- g. Describe receptive and expressive language development.
- h. Describe literacy development.
- i. Define “at-risk” as it applies to infants and toddlers.
- j. Identify community resources available for early intervention;

**NAEYC Standards 1 & 2**

5. Analyze components of quality infant/toddler caregiving, including teacher child interactions.
  - a. Discuss characteristics of quality programs for infants and toddlers.
  - b. Discuss social and cultural influences which impact infant/toddler care.
  - c. Explain the importance of establishing and maintaining strong, positive communication and collaborative relationships with families.
  - d. Explain principles of quality caregiving.
  - e. Explain appropriate teacher roles and responsibilities for caregivers of children under three.
  - f. Describe daily routines used in infant/toddler classrooms and their importance in meeting children’s needs.
  - g. Discuss unique health and safety needs of infants and toddlers.
  - h. Develop appropriate schedules for infants and toddlers.
  - i. Discuss ways to include infants and toddlers with special needs into a quality program;

**NAEYC Standards 1, 2, & 4**

6. Analyze and design elements of appropriate indoor and outdoor environments.
  - a. Describe developmentally appropriate indoor environment for infants.
  - b. Identify characteristics of effective room arrangements for infants.
  - c. Describe developmentally appropriate outdoor environments for infants.
  - d. Describe developmentally appropriate indoor environment for toddlers.
  - e. Identify characteristics of effective room arrangements for toddlers.
  - f. Describe developmentally appropriate outdoor environments for toddlers.
  - g. Explain how indoor and outdoor environments can be adapted for infants/toddlers with special needs;

**NAEYC Standard 1**

7. Select developmentally appropriate materials and activities.
  - a. Choose and/or make developmentally appropriate materials for use in infant/toddler classrooms.
  - b. Plan and implement developmentally appropriate learning activities for infants/toddlers, including those with special needs;

**NAEYC Standards 1 & 5**

8. Use developmentally appropriate teaching/guidance techniques.
  - a. Apply principles of caregiving in a classroom with children under three.
  - b. Use appropriate transitions with infants and toddlers.
  - c. Use appropriate direct and indirect guidance techniques with infants and toddlers, including positive guidance.
  - d. Demonstrate appropriate procedures for feeding, diapering, toileting, dressing and sleeping.
  - e. Demonstrate teamwork skills while working with colleagues in infant/toddler classrooms;

**NAEYC Standard 4**

## SCANS Competencies

The Department of Labor Secretary's Commission on Achieving Necessary Skills (SCANS) identified competencies necessary to be successful in work. In addition to studying about how young children learn and develop, child development courses provide skills to prepare students for the workforce. The following SCANS competencies are covered in CDEC 1321 Infant and Toddler identifying, organizing, planning, and allocates resources (**Resources**); acquiring and using information (**Information**); working with others (**Interpersonal**); reading, writing, performs arithmetic and mathematical operations, listening and speaking (**Basic Skills**); thinks creatively, makes decisions, solves problems, visualizes, knows how to learn and reasons (**Thinking Skills**); displays responsibility, self-esteem, sociability, self-management, integrity, and honesty (**Personal Qualities**).

## Course Grading and Evaluation

### GRADING

Your grade will be based on the following:

• <b>Successful completion of lab and assignments</b>	<b>Pass/Fail</b>
• <b>Observation Notes &amp; Assignments (6 sets @ 20 points each)</b>	<b>120 points</b>
• <b>Beginning of Year Paper</b>	<b>20 points</b>
• <b>In-Class Group Project</b>	<b>30 points</b>
• <b>Final Exam</b>	<b>80 points</b>
• <b>Final Paper</b>	<b>40 points</b>
• <b>Participation (assigned at instructor discretion)</b>	<b>10 points</b>

**Total Possible Assignment Points.....300 points**

### **Grading Scale**

A = 270-300 pts.

D = 180-209 pts.

B = 240-269 pts.

F = 179 pts. and below

C =210-239 pts.

**Grade requirements for Child Development Majors:** Students majoring in Child Development must receive a "C" or above in this course to receive credit for this course in the Child Development Certificate or AAS degree. Remember also that you must stay enrolled in any TSI required courses to obtain a grade in this course. The course may be retaken for a higher grade. See the ACC Online Catalog for more information. **Please talk with an ACC advisor for more information.**

### ASSIGNMENTS

- ❖ **A Course Calendar including assignments and due dates is part of the course packet handouts**

### **Weekly readings**

It is expected for students to read the assigned chapter(s) or other materials before assignments are due and be prepared to actively participate in online and class activities, assignments and discussions. I believe very strongly in collegial learning with peers. There is the possibility of earning participation points for student contributions that add to a higher level of understanding of the topic during the class discussion or demonstrate your preparedness and mastery of the topic.

### **Online access for assignments and grades**

The course will include the use of Blackboard for online discussions and assignments, resource organization, and grade reporting. Students will need to have access to the internet and Blackboard for this course. ACC has computer labs available at most campuses for student access to the Internet and Blackboard.

### **Lab Observation Visits (8)**

- Schedule eight 2-hour lab observation visits in an infant/toddler classroom at approved community center of ACC
- Reschedule and make up any missed lab observation time
- Complete 16 hours of lab observation (REQUIRED IN ORDER TO PASS)
- Turn in completed Lab Documentation Form (for labs done at approved community center). THIS DOCUMENTATION IS THE EVIDENCE THAT YOU HAVE COMPLETED THE REQUIRED 16 HOURS OF LAB OBSERVATION. WITHOUT THIS DOCUMENTATION, YOU WILL NOT RECEIVE A PASSING GRADE FOR THIS COURSE.

### **Fieldwork Lab assignments**

This course requires **16 clock hours of Fieldwork Laboratory. The sixteen (16) hours of lab observations** will be of infants and toddlers (birth to age 3) in a department-approved community center. You will complete an observation assignment for every 2 hours of direct observation in an infant and toddler program.

### **Beginning of Year Paper**

A brief 3-page paper due toward the beginning of the year which details what you currently know about infants and toddlers, how they learn in a child care setting, and what you wish to learn more about working with this age group.

### **Final Reflection Paper**

There will be a final paper due at the end of the semester that will combine your findings from your final 2 hours of lab observations (**note: observation notes for this final 2 hours of observation are still required**). Details on the Final Paper assignment can be found in the course packet.

### **In-Class Group Project**

Students will be divided into small groups and given the option of completing one of three different group projects. Time will be given within class to work on these projects, however time outside of class may still be required. These projects will then be presented to the class

at the end of the semester. More information on the assignment can be found in the course packet.

### **Turning in assignments:**

- **All** fieldwork assignments need to be typed. Use the computer labs if you need access to a printer.
- If requested to submit an assignment on Blackboard, you must send documents in a Word format or as a PDF so I can open them. If the documents are not in this format, you will be asked to re-submit which may cause the assignment to be late and points deducted.
- **IMPORTANT: All electronic documents should be named using the following format:**  
**Assignment title\_ your last name.** For example: Observation One\_Martinez  
**Tip:** Name your documents when you create them. Assignments without proper titles may have points deducted or counted late if I can't tell who submitted them.
- Please save an electronic copy of all assignments for your records in case they get erased or lost when submitted to Blackboard.
- **Getting Grades:** The Blackboard system will be used for recording all grades. In the "MY Grades" section you will be able to see your grades. Click on your grade to access comments for that assignment. You may find the Blackboard site through ACC at <http://acconline.austincc.edu>

### **EXAM**

There will be one final exam covering information from the textbook, class lectures and activities, and online resources. Questions will consist of multiple choice, true/false, fill-in-the-blank, matching, and/or short answer. The exam will be administered in class.

**Testing Center Policy:** Students using the Academic Testing Center must govern themselves according to the Student Guide for Use of ACC Testing Centers and should read the entire guide before going to take the exam. To request an exam, one must have:

- **ACC Photo ID**
- Course Abbreviation (e.g., ENGL)
- Course Number (e.g., 1301)
- Course Synonym (e.g., 10123)
- Course Section (e.g., 005)
- Instructor's Name

Do NOT bring cell phones to the Testing Center. Having your cell phone in the testing room, **regardless of whether it is on or off**, will revoke your testing privileges for the remainder of the semester. ACC Testing Center policies can be found at <http://www.austincc.edu/testctr/>

## **Course Policies**

### **1321 Field Experiences Policies**

1. ***This course has 16 required hours of field experiences.*** These hours may be  
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completed at the ACC Lab School or an approved early childhood program in the community. One visit to the ACC Children's Lab School may be required during the semester.

**2. You must complete all lab hours to receive credit for this course.**

Students enrolled in child development courses must be eligible for field experiences as determined by the Child Development's Eligibility for Field Experiences Policy. The Child Development Department's policy reflects the standards established by the Texas Department of Family and Protective Services *Minimum Standards for Child Care Centers*. The policy is explained in the catalog and on the "Austin Community College Children's Lab School Criminal Conviction Statement for Child Development Lab Students".

To continue in child development coursework in which the student is currently enrolled, he or she must be eligible to participate in field experiences/lab work under these criteria. If any criminal record with a felony, including a pending felony charge, is returned as a result of a criminal background, the student will be withdrawn from child development courses. A student who willfully misrepresents the information on these forms will be withdrawn immediately from all Child Development coursework requiring laboratory experiences in a child care setting and may be subject to the ACC student disciplinary policy outlined in the

<http://www.austincc.edu/current/needtoknow/policies.php#rights>

**3. To successfully complete the lab portion of this course, you are expected to:**

- demonstrate the behaviors required in *Minimum Standards for Child Care Centers* and noted on the "Child Development Department Lab and Field Work Agreement and Confidentiality Statement"
- follow the policies of your lab placement site
- successfully complete the required number of field hours and assignments

**4. Criminal History Statement:** Because of the criteria for child care center volunteers determined by the Texas Department of Protective and Regulatory Services (TDPR) *Minimum Standards for Child Care Centers*, there are special requirements for enrollment in child development courses with laboratory components. The special requirements are discussed in the Child Development section of the ACC Catalog. Students will be required to complete a criminal history statement the first day of class, which may be submitted for verification of the information provided. Failure to accurately report the information required by *Minimum Standards for Child Care Centers* will result in withdrawal from this course and possible withdrawal from Austin Community College.

**5. Professional Ethics:** Please keep in mind that the children and families encountered in completing laboratory experiences for this course deserve respect at all times. Talking or gossiping about children, families or center staff is non-respectful and undermines the trust the children and their families have in their child care providers. It is expected that you review *The NAEYC Code of Ethical Conduct* and make every attempt to follow our professional code of ethics. *The NAEYC Code of Ethical Conduct* may be viewed online at

[http://www.naeyc.org/positionstatements/ethical\\_conduct](http://www.naeyc.org/positionstatements/ethical_conduct)

## Course Policies Continued...

### Classroom Policies

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1. **Classroom Climate:** Learning takes place best in a setting where there is respect, positive regard, and freedom from distraction. It is my responsibility and intention to provide these conditions during the semester, and I will need your help to do so. Make every effort to arrive on time for class and if you are delayed, please enter quietly and take the seat closest to the door to avoid disrupting the class. Treat others in the class with the respect and courtesy that you would want for yourself. Refrain from engaging in work for other courses or reading that is not course-related while in class. All cell phones or other electronic devices should be turned off during class unless otherwise directed by the instructor. Please do not leave your phones on vibrate or engage in text messaging while class is in session since that can become a distraction not only to you, but to me and others as well. Keep side conversations to a minimum and focused on the topics and tasks at hand during the class session. Creating a safe, focused, and positive classroom climate will make our time together more effective and rewarding for all of us and I appreciate your assistance in making this happen.
  
2. **Participation:** Participation is an important part of the overall learning for the course. It is expected for students to read the assigned reading(s) or other materials each week and before completing the assignments. Please be prepared to actively participate in class discussions. I believe very strongly in collegial learning with peers. This may include group work, peer feedback, and shared activities. All of these require that you be prepared to share based on required readings.
  
3. **Blackboard:** I maintain a Blackboard site for this class. You will be able to log onto the Blackboard site <http://acconline.austincc.edu> to gain access to:
  - Course announcements
  - Syllabus
  - Grade book
  - Other course information, including assignments

Your user name for Blackboard is your ACC eID. This is your 7 digit ACC student ID, preceded by the first initial of your official first name. During the activation of your ACC eID, you will select your password. If you do not know your ACC eID, you may retrieve it via the Blackboard home page.

To use Blackboard at home, you must have Internet access. However, Blackboard access is available at any ACC computer lab.
  
4. **Reading and Writing Recommendations:** This course is reading and writing intensive. Although there are no reading and writing requirements for the course, it is highly recommended that students have successfully completed Reading Fundamentals (DEVR 0300) and the Writing Skills I (DEVW 0310) or obtained a satisfactory score on an appropriate placement test.  
If you are an AAS major, you must stay enrolled in any TSI required courses to obtain a grade in this course. Please talk with an ACC advisor for more information.
  
5. **Quality of Assignments:** I expect your assignments to be written in complete sentences, and to contain understandable paragraphs. Work that does not reflect these expectations may be returned to you for correction. ACC's Learning Labs <http://www.austincc.edu/tutor/> are wonderful resources. The Lab tutors will help you be sure that your assignments meet these expectations.

6. **Assignment due dates:** Due dates have been established for your benefit as a learner and my benefit as an instructor. Each assignment has a specific due date. Please adhere to the established timelines. **The only way to get full credit for the assignment is to be sure it's submitted before or by the due date.** Ten percent of the total points available will be deducted for each week the assignment is turned in past the original due date. Please contact me if there are extenuating circumstances that I should take into account. **All work must be submitted by May 10<sup>th</sup>, at midnight.**
  
7. **Attendance:** Regular and punctual class and laboratory attendance is expected of all students. If attendance or compliance with other course policies is unsatisfactory, the instructor may withdraw students from the class.

Attendance to class is required. Late arrival or early departure (20 minutes or more) will be considered as ½ an absence. If a student incurs 3 absences or more, strong consideration or actions to withdraw the student will occur.

There is no need to inform me if you are missing a class, although I do appreciate knowing ahead of time. As adults, you can determine the importance of an event for you

and weigh the consequences of missing a class. YOU are responsible for figuring out what you missed and getting help learning it.

8. **Withdrawals:** Students may withdraw any time prior to the “last day to withdraw”, which is April 25<sup>th</sup>. You may be withdrawn by me if coursework due by April 19<sup>th</sup> has not been submitted for grading by 4/19.

It is the responsibility of each student to ensure that his or her name is removed from the roll should he or she decide to withdraw from the class. The instructor does, however, reserve the right to drop a student should he or she feel it is necessary. If a student decides to withdraw, he or she should also verify that the withdrawal is submitted before the Final Withdrawal Date. The student is also strongly encouraged to retain their copy of the withdrawal form for their records.

Students who enroll for the third or subsequent time in a course taken since Fall, 2002, may be charged a higher tuition rate, for that course.

State law permits students who enrolled for the first time in Fall 2007 or later to withdraw from no more than six courses during their entire undergraduate career at Texas public colleges or universities. With certain exceptions, all course withdrawals automatically count towards this limit. Details regarding this policy can be found in the ACC college catalog.

Students are responsible for understanding the impact withdrawing from a course may have on their financial aid, veterans' benefits, international student status, and academic standing. Students are urged to consult with their instructor or an advisor before making schedule changes.

9. **Incompletes:** An incomplete may be assigned only if you are making satisfactory progress (“C” or above) and have completed at least half of the assignments and fieldwork. The completion date is typically the final deadline for withdrawal in the subsequent semester.

10. ***Electronic Technology:*** During all tests, please be sure that all electronic technology like cell phones, PDA’s, etc., are turned off. Doing this prevents any misunderstanding about the use of the equipment for obtaining test information.

### **College Policies**

1. ***Scholastic Dishonesty:*** A student attending ACC assumes responsibility for conduct compatible with the mission of the college as an educational institution. Students have the responsibility to submit coursework that is the result of their own thought, research, or self-expression. Students must follow all instructions given by faculty or designated college representatives when taking examinations, placement assessments, tests, quizzes, and evaluations. Actions constituting scholastic dishonesty include, but are not limited to, plagiarism, cheating, fabrication, collusion, and falsifying documents. Penalties for scholastic dishonesty will depend upon the nature of the violation and may range from lowering a grade on one assignment to an “F” in the course and/or expulsion from the college. See the Student Standards of Conduct and Disciplinary Process and other policies at <http://www.austincc.edu/handbook>
2. ***Student Rights and Responsibilities:*** Students at the college have the rights accorded by the U.S. Constitution to freedom of speech, peaceful assembly, petition, and association. These rights carry with them the responsibility to accord the same rights to others in the college community and not to interfere with or disrupt the educational process. Opportunity for students to examine and question pertinent data and assumptions of a given discipline, guided by the evidence of scholarly research, is appropriate in a learning environment. This concept is accompanied by an equally demanding concept of responsibility on the part of the student. As willing partners in learning, students must comply with college rules and procedures.
3. ***Disability Services and Assistive Technology Accommodations’:*** Students who have received approval for accommodations from the office for [Student Accessibility Services](#) for this course must provide the instructor with the ‘Notice of Approved Accommodations’ from [Student Accessibility Services](#) before accommodations can be provided. Students with approved accommodations are encouraged to submit the ‘Notice of Approved Accommodations’ to the instructor at the beginning of the semester because a reasonable amount of time may be needed to prepare and arrange for the accommodations. Additional information about the Office for [Student Accessibility Services](#) can be viewed at <http://www.austincc.edu/sas>
4. ***Safety Statement:*** Austin Community College is committed to providing a safe and healthy environment for study and work. We ask that you become familiar and comply with ACC environmental, health and safety procedures and agree to follow ACC safety policies. Information about emergency procedures and how to sign up for ACC Emergency Alerts (to be notified in the event of a serious emergency) can be found at <http://www.austincc.edu/emergency/>. Please review the Emergency Procedures Poster and Campus Safety Plan Map in each classroom.

Please note, you are expected to conduct yourself professionally with respect and courtesy to all. Anyone who thoughtlessly or intentionally jeopardizes the health or safety of another individual will be dismissed from the day's activity, may be withdrawn from the class, and/or barred from attending future activities.

5. **Use of ACC email:** All College e-mail communication to students will be sent solely to the student's ACCmail account, with the expectation that such communications will be read in a timely fashion. ACC will send important information and will notify you of any college related emergencies using this account. Students should only expect to receive email communication from their instructor using this account. Likewise, students should use their ACCmail account when communicating with instructors and staff. Instructions for activating an ACCmail account can be found at <http://www.austincc.edu/acceid>. Additionally, a learning lab technician at any ACC

Learning Lab can assist in setting up your ACC email or obtaining an ACC eID,

6. **Testing Center Policy:** Under certain circumstances, an instructor may have students take an examination in a testing center. Students using the Academic Testing Center must govern themselves according to the Student Guide for Use of ACC Testing Centers and should read the entire guide before going to take the exam. To request an exam, one must have:

- **ACC Photo ID**
  - Course Abbreviation (e.g., ENGL)
  - Course Number (e.g., 1301)
  - Course Synonym (e.g., 10123)
  - Course Section (e.g., 005)
  - Instructor's Name

**Please, do not** bring cell phones to the Testing Center. Having your cell phone in the testing room, **regardless of whether it is on or off**, will revoke your testing privileges for the remainder of the semester. ACC Testing Center policies can be found at <http://www.austincc.edu/support-and-services/services-for-students/testing-services/instructional-testing>

### **College Supports for Student Success**

**Student And Instructional Services:** ACC strives to provide exemplary support to its students and offers a broad variety of opportunities and services. Information on these services and support systems is available at: <http://www.austincc.edu/support-and-services>

**ACC Learning Labs:** provide free tutoring services to all ACC students currently enrolled in the course to be tutored. The tutor schedule for each Learning Lab may be found at: <http://www.austincc.edu/support-and-services/tutoring-and-academic-help>

**Student Skills Workshop :** Explore ACC's free online workshops using the tabs below. These workshops will give advice about common topics like note-taking, testing, and managing your time and stress to support you on your path to success in college. <http://www.austincc.edu/degrees-and-certificates/find-classes/student-skills-workshops>

**Disability Services and Assistive Technology:** There is a [Student Accessibility Services](#) office at each campus. If you have a disability, contact Accessibility Services at the campus that's most convenient for you. Once you qualify for services, Accessibility

Services staff meets with you to determine reasonable, appropriate, and effective accommodations based on the courses in which are enrolled and your disability. If you need classroom, academic or other accommodations, you must request them through the Office for Student Accessibility Services. Students are encouraged to request accommodations when they register for courses or at least three weeks before the start of the semester, otherwise the provision of accommodations may be delayed.

**ACC Child Care and Development Department**  
**ACCTech Articulated Course Fieldwork Requirements**

**CDEC/TECA 1311 Educating Young Children**

**Course Description:** An introduction to the education of the young child. Includes developmentally appropriate practices and programs, theoretical and historical perspectives, ethical and professional responsibilities, and current issues. Course content is aligned with State Board for Educator Certification Pedagogy and Professional Responsibilities standards. **Requires students to participate in a minimum of 16 hours of field experience with children from infancy through age 12 in a variety of settings with varied and diverse populations.**

**WECM End-of-Course Outcomes:** Discuss the contributions of key historical and contemporary theorists to the field of early care and education; explain the features of a developmentally appropriate program for young children; define each of the four basic developmental domains (physical, cognitive, emotional, and social); examine the types of early childhood programs; analyze trends and issues of early care and education; identify the characteristics and developmental stages in early care and education.

**ACGM Learning Outcomes:** Upon successful completion of this course, students will: Identify the features of a quality developmentally appropriate program for young children. Explain contributions of historical and contemporary professionals and theorists to the field of early childhood education. Analyze various early childhood programs and curricular models that have influenced practice. Describe current and future trends and issues in the field of education. Apply classroom observation and assessment skills to identify developmentally appropriate programs in diverse early childhood educational settings. Describe and adhere to professional code of legal and ethical requirements for educators.

**Master Syllabus Course Objective related to field experiences:**

- features of and understand strategies for creating an organized and productive developmentally appropriate learning environment for young children.
- Analyze the effects of classroom routines and procedures on student learning, and knows how to establish and implement routines and procedures to promote an organized and productive learning environment.
- Demonstrates an understanding of how young children function in groups.
- Recognizes the importance of creating a schedule for young children that balances restful and active movement activities and that provides large blocks of time for play, projects and learning centers.
- define each of the four basic developmental domains (physical, cognitive, emotional, and social)

**Field Experiences Requirements**

Completion of 16 hours of field experiences in *three of four age-groups* (infant, toddler, preschool and school age). Hours for observations cannot be duplicated for other course field experience hours.

Observations for the various age groups must be completed in a child care setting or another learning environment. Child development students need to gain first-hand experience watching classroom dynamics, observing children's interactions, and understanding the entirety of the early learning classroom. Field experiences may not be substituted with video or other auxiliary mode of observation.

## **Recommended**

Completion of 16 hours of field experiences in all four age groups (4 hours in each group.)

**Assignments** should be aligned to master syllabi and WECM course outcomes as well as NAEYC's **Standard 1**: Promoting Child Development and Learning, **Standard 3**: Observing, Documenting, and Assessing to Support Young Children and Families; **Standard 4**: Using Developmentally Effective Approaches to Connect with Children and Families; **Standard 5**: Using Content Knowledge to Build Meaningful Curriculum, **Standard 6**: Becoming a Professional, as well as DAP Building a Community of Learners, DAP Teaching to Enhance Development and Learning, DAP Planning Curriculum to Achieve Important Goals, DAP Assessing Children's Development and Learning, NAEYC Early Childhood Program Standards and Accreditation Criteria. (<http://www.naeyc.org/highered/standards>)

To meet the learning outcomes for CDEC/TECA 1311, guided questions for observation in each age group should focus on:

- the components of developmentally appropriate early child classrooms
- features of an organized , healthy, respectful and challenging developmentally appropriate learning environment for young children.
- the effects of classroom schedules, routines and procedures on children
- children's learning and development during outdoor time
- types of learning materials and learning centers in the classroom
- implementation of learning and development in an early childhood setting
- identification of developmental domain and content learning appropriate in learning experiences, materials
- the role of the early childhood educator in building relationships with and teaching of children

Students should be introduced to objective observation and complete at least one anecdotal observation.

**ACC Child Care and Development Department**  
**ACCTech Articulated Course Fieldwork Requirements**

**CDEC 1321 Infants and Toddlers**

**Course Description:** A study of appropriate infant and toddler (birth to 3 years) child care programs. Topics covered include an overview of development; quality care giving routines; learning environments, materials and activities and age-appropriate teaching/guidance techniques. Course includes 16 hours of field experience.

**WECM Course Outcomes:** Summarize prenatal development and the birth process; discuss theories of development as they apply to infants and toddlers; outline growth and development of children from birth to age 3; analyze components of teacher/child interactions and positive guidance techniques; design learning environments; and select materials and activities for infants and toddlers.

**Master Syllabus Course Objective related to field experiences:**

- Analyze components of quality infant/toddler caregiving, including teacher child interaction
- Analyze and design elements of appropriate indoor and outdoor environments.
- Select developmentally appropriate materials and activities.
- Use developmentally appropriate teaching/guidance techniques

**Field Experiences Requirements**

Completion of 16 hours of field experiences in early care settings or classrooms with children ages infancy-36 months. Hours for observations cannot be duplicated for other course field experience hours.

**Guided Field Observation Assignments** should be aligned to master syllabi and WECM course outcomes as well as NAEYC's **Standard 1:** Promoting Child Development and Learning, **Standard 3:** Observing, Documenting and Assessing to Support Young Children and Families; **Standard 4:** Using Developmentally Effective Approaches; **Standard 5:** Using Content Knowledge to Build Meaningful Curriculum; **Standard 6:** Becoming a Professional; DAP Creating a Community of Learners, Teaching to Enhance Development and Learning, Planning Curriculum to Achieve Important Goals; *NAEYC Early Childhood Program Standards and Accreditation Criteria* (<http://www.naeyc.org/highered/standards>)

To meet the learning outcomes for CDEC 1321, guided questions for observation should focus on:

- Infant toddler indoor and outdoor environment
- the components of developmentally appropriate early child classrooms
- features of an organized , healthy, respectful and challenging developmentally appropriate learning environment for infants and toddlers
- types of learning materials in the classroom
- classroom routines
- implementation of learning and development in an early childhood setting
- identification of developmental domain and content learning appropriate in learning experiences, materials
- the role of the early childhood educator in caregiving

# Infant/Toddler

## Development, Screening, and Assessment



## National Infant & Toddler Child Care Initiative



U.S. Department of  
Health and Human Services



Office of Child Care  
Administration for Children and Families



***Infant/Toddler Development, Screening, and Assessment*** is one of three infant/toddler modules created to support consultants working in child care settings, especially those who have not had education or training specific to infants and toddlers in group care. These modules were designed to complement training offered to early childhood consultants through the National Training Institute at the Department of Maternal and Child Health, University of North Carolina at Chapel Hill.

The infant/toddler modules, which also include ***Relationships: The Heart of Development and Learning*** and ***Infant/Toddler Curriculum and Individualization***, provide content on early development and quality child care policies and practices for consultants working in child care settings serving children ages birth to 3 years. As the modules do not focus on developing consultation skills, they are not intended to be used as stand-alone trainings. They should be incorporated into training that also addresses the critical skills and process of consultation.

Information about the National Training Institute for Child Care Health Consultants can be found at <http://nti.unc.edu/> or by contacting the program at the following address:

National Training Institute for Child Care Health Consultants  
Department of Maternal and Child Health  
116-A Merritt Mill Road  
Campus Box #8126  
The University of North Carolina at Chapel Hill  
Chapel Hill, NC 27599-8126

**Phone:** 919-966-3780

**Email:** [nti@unc.edu](mailto:nti@unc.edu)

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# Infant/Toddler Development, Screening and Assessment

## LEARNING OBJECTIVES

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**Upon completion of this module, child care consultants will be able to:**

- Describe factors that affect infant/toddler development and identify resources for reference on developmental milestones.
- Discuss how the integrated nature of infant/toddler development affects overall growth and development.
- Describe their state's professional development system supports for infant/toddler caregivers and how they can be accessed.
- Define the difference between observation, screening, and ongoing assessment and the key components of each process.
- Discuss the importance of coordinating referrals with the family and other care providers, such as medical and dental homes, therapists, and additional child care providers.
- Identify key aspects of the state Part C/Early Intervention system for infants and toddlers with disabilities.
- Discuss the importance of involving families in the process of observation, screening, and assessment.

# Infant/Toddler Development

## INTRODUCTION

The purpose of this module is to provide child care consultants with information that will support their work with individuals and child care programs serving infants, toddlers, and their families. The module includes:

- A brief overview of infant/toddler development.
- Information on how infant/toddler caregivers can nurture infant/toddler development.
- Discussion of how programs can involve families<sup>1</sup> in recognizing and promoting their child's development.
- Information on how infant/toddler caregivers know how infants and toddlers are developing (observation, screening, and assessment).
- Ideas about what to do when development is not proceeding as expected.



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## WHAT THE CHILD CARE CONSULTANT SHOULD KNOW

### *An Overview of Infant/Toddler Development*

The development that occurs from birth to 3 years provides the foundation for subsequent development across domains. Although it is common practice to discuss early development within discrete domains, the number and labeling of these domains is not standardized and varies considerably depending on the field in which the discussion occurs. But discussions of development typically include some combination of the following domains:

- Physical
  - Growth and health status
  - Sensory
- Motor
  - Fine motor
  - Gross motor

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<sup>1</sup> In this module, *family* refers to adults who have primary responsibility for parenting a child and/or other family members who may be routinely involved in the child's life. Family can include biological parents, foster parents, adoptive parents, grandparents, legal guardians, and others.

- Cognitive
  - Approaches to learning
- Communication/Language
- Social/Emotional (including mental health)

### **The Developmental Continuum and Appropriate Expectations**

Infant/toddler development proceeds in a predictable sequence: infants crawl before they walk, babble before they talk, and so on. But when each developmental milestone is achieved varies from child to child. A primary task of child care consultants will be to guide caregivers' awareness of infant/toddler development and of the age range that may be considered typical for the emergence of key developmental indicators. Awareness of the age range of infant/toddler development is important to:

- Ensure caregiver competence in observing infant/toddler development.
- Know when referrals should be made to the state's Part C/Early Intervention system (discussed in the Red Flags and Referrals section) and other systems.
- Support individualized curriculum planning to meet each child's developmental needs.

### **Infant/Toddler Development Is Integrated Across Domains**

Development not only occurs on a continuum with expectations that overlap age ranges but also is integrated across domains. For example, language development requires intact cognitive skills to construct conceptual frameworks and physical development to coordinate the necessary oral-motor response. Language also greatly relies on social interactions — relationships that are meaningful and include significant language exchanges. Similarly, cognitive development does not result from neurobiological development alone, although neural connections are necessary to allow sensory inputs to reach the brain. For example, Piagetian theory supports the notion that infants construct an understanding of the world by coordinating sensory experiences (such as mouthing, seeing, and hearing)



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with physical and motor actions (such as crawling). In other words, infants gain knowledge of the world and develop conceptual frameworks from the physical actions that allow them to explore their environment.

This integration of development across domains has implications for the overall course of a child's development. A developmental disability or delay identified in any one area will affect other developmental domains as well. For example, a child with vision impairment would not be able to visualize the environment, likely impacting motor development. Or a child with cerebral palsy may be less likely to physically engage with and explore the environment in a way that will support overall development. These sensory and motor deficits may affect the young child's base of experience for cognitive and language development because of limited opportunities to explore the environment.



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Infant/toddler caregivers need core knowledge of the infant/toddler developmental continuum, tools, and procedures for conducting developmental screening and ongoing assessment. They also need to be aware of systems for referral if a developmental concern emerges. The consultant may be called upon to link programs with accessible resources that will provide them with this basic information.

### ***How Caregivers Can Nurture Infant/Toddler Development***

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#### **Nature vs. Nurture: It's Not Either/Or, It's Both**

Scientists agree that human development is shaped by both nature (biology) and nurture (experience) (National Research Council, 2000).

Research supports that the interaction of nature and nurture has the greatest influence on early development, with long-lasting effects on every developmental domain throughout childhood.

Because a nurturing environment is a critical factor in infant/toddler development, it is important for caregivers to be aware of their responsibility for nurturing the development and learning of infants and toddlers in out-of-home care. The act of nurturing infant/toddler development can occur in many ways, including:

- Warm, responsive relationships.
- Provision of healthy and safe environments.
- Caregiver competence.

Infants, toddlers, and their families are nurtured when relationships are healthy, environments are safe, and caregivers understand how to support the learning and development of infants and toddlers.

## Warm, Responsive Relationships Nurture Infant/Toddler Development

“Human relationships, and the effects of relationships on relationships, are the building blocks of healthy development” (National Research Council, 2000, p. 27). Relationships, and the interactions that occur through relationships, embody the nurturing that supports development.

### Parent/Caregiver Collaboration in Promoting Development

Early care and education programs have a great opportunity to actively and appropriately promote development. A key aspect of supporting and promoting child development is an effective, positive relationship between the parent and the infant/toddler caregiver. A principal task of this relationship is bidirectional communication about the child and his or her development. While the importance of this level of communication cannot be understated, multiple realities of the field offer challenges that can make it difficult. A key role of the child care consultant is often that of promoting effective communication between programs and parents and problem solving around some of the challenges.

Communication between parents and caregivers occurs informally at daily arrival and departure and formally in intentionally planned meetings in the child care setting or on home visits. Parent/caregiver communication about the child’s development is critical to the process of individualizing the child’s curriculum. In this process, parent and caregiver work together to establish “where the child is.” This process is discussed more completely in Module 3 in this series: *Infant/Toddler Development: Curriculum and Individualization*.

Although relationships are not the focus of this module (see Module 1 *Relationships: The Heart of Development and Learning* for a full discussion), they are central to all development that occurs throughout infancy and toddlerhood. For example:

A child’s emerging sense of self and emotional security is nurtured through warm, responsive, consistent relationships with primary caregivers.

Both the communication process and language are learned through listening to and interactions with adults.

Motor development occurs when relationships with others and the opportunities that ensue encourage a child to move and manipulate objects.

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The absence of relationships, as evidenced by research on children raised in orphanages, can lead to significant negative effects on a child’s health and physical development (National Research Council, 2000, p. 257).

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## Development Can be Nurtured Through Healthy and Safe Environments

Health and safety are primary considerations in child care settings because infants and toddlers are vulnerable to experiences that may negatively impact their overall well-being. The most evidence-based information on health and safety for young children is *Caring for Our Children*, developed by the American Academy of Pediatrics (2002). Designed for child care providers, parents, health professionals, licensors, and policymakers, this health and safety manual includes the latest information to inform caregiver health and safety practices. Child care consultants should also be familiar with the health and safety licensing regulations for their states, accessible online from <http://nrc.uchsc.edu/STATES/states.htm>.

Creating and maintaining a safe environment for young children requires thoughtful planning and care. Although it is beyond the scope of this module to fully address health and safety, Box 1 lists important procedures for child care consultants to support when working with programs serving very young children. Box 2 highlights key components of a health and safety policy.

### BOX 1

#### **General health and safety practices may include but are not limited to:**

- Medication administration and storage.
- Daily health checks conducted at the beginning of each day.
- Admission and readmission after illness, including inclusion/exclusion criteria.
- Health evaluation procedures on intake, including physical assessment of the child and other criteria used to determine the appropriateness of a child's attendance.
- Managing children with communicable diseases.
- Injury prevention and managing children with injuries.
- Tracking communicable illnesses and problems that arise in the care of children with communicable illnesses.
- Staff, parent, and volunteer training on illness and injury prevention.
- Communication with families and health care providers in the event of illness or injury.
- Practices for emergencies that require medical care within an hour.

Source: American Academy of Pediatrics (2002).

## BOX 2

### **Health and safety policies and procedures should include information on:**

- Ensuring that young children have a medical and dental home.
- Oral health procedures.
- Nutrition and physical activity procedures.
- Developmental surveillance and screening procedures.
- Evaluating the safety of play equipment.
- Background screening of all staff.
- Procedure for recognition of child abuse and neglect.
- Disaster preparedness.
- Medical and dental emergencies.
- Rapid response emergencies (e.g., choking).
- Conditions of short-term exclusion and admittance.
- Medication administration and storage.
- Immunization and well-health checks for children and staff.
- Contacting families in the event of an emergency.
- Safe sleeping practices.
- Record-keeping and reporting.
- Staff training on health practices.
- Hygiene/sanitation practices (e.g., hand washing, diapering, toileting).
- First aid kits.
- Contacting the Poison Control Center at 800-222-1222.

Sources: American Academy of Pediatrics (2002); Fiene, R. (2002).

In addition to the resources mentioned at the end of this section, numerous checklists and systems exist that include high quality standards for the health and safety of infants and toddlers. The following is a partial list of such systems:

- Infant/Toddler Environmental Rating Scales – Revised Edition (ITERS-R)
- Family Child Care Environmental Rating Scale – Revised Edition (FCCERS-R)
- National Association of the Education of Young Children (NAEYC) Early Childhood Program Standards and Accreditation Criteria
- Head Start Performance Standards

## ACTIVITY I: Comparing Health and Safety Standards

This activity may be used to support both consultant’s and caregiver’s familiarity with standards of care. Use the Internet links to state child care licensing standards (<http://nrc.uchsc.edu>) and Caring for Our Children (<http://nrc.uchsc.edu/CFOC/>) to compare standards on the following key aspects of infant/toddler health and safety.

HEALTH AND SAFETY INDICATOR STANDARD(S)	CARING FOR OUR CHILDREN STANDARD(S)	STATE LICENSING
Staff-to-child ratio for infants		
Staff-to-child ratio for toddlers		
Daily health checks		
Frequency of diaper checks		
Oral hygiene		
Back-to-sleep policies		
Exclusion standards		
Sanitization of toys		
Safety checks of play equipment		
Procedures for reporting abuse and neglect		
Immunization requirements		
Emergency evacuation procedures		
Documentation for injury		

## Development Can Be Nurtured by Competent Infant/Toddler Caregivers

Staff who are knowledgeable in the fundamentals of child development are better prepared to nurture the development of very young children. Professional development systems for early care personnel should be accessible, address the needs of adult learners, and based on a clearly articulated framework. They should include a continuum of training and ongoing supports, with defined pathways that are tied to licensure and lead to qualifications and credentials.

The professional development and quality initiatives described in Table 1 can provide support to improve the quality of infant/toddler care. It could be useful to discuss each of these initiatives as they apply to your state with peers, infant/toddler programs, and caregivers.

**TABLE 1**

### INFANT/TODDLER QUALITY SUPPORT INITIATIVES

#### **Infant/Toddler Credential (ITC)**

Any combination of requirements (training, courses, experience) when considered together, translate to formal recognition of individuals who work with infants and toddlers in child care programs.

#### **Core Knowledge and Competencies (CKC)**

CKC define what infant/toddler caregivers should know (knowledge) and be able to do (competencies) to work successfully with infants and toddlers.

#### **Infant/Toddler Early Learning Guidelines (ELG)**

ELG describe expectations about what children should know (understand) and do (competencies and skills) across different domains of learning.

#### **Infant/Toddler Specialist Networks (ITSN)**

ITSN are trained early childhood professionals who provide support to the professionals and caregivers who provide early care and education to infants and toddlers.

#### **Infant/Toddler Child Development Associate (CDA) Credential**

A national credential based on criteria that documents the competency of child care providers working in infant/toddler settings.

#### **Higher Education**

College-level coursework that is accessible to caregivers, leading to 2- or 4- year degrees and advanced degrees.

#### **Articulation of Early Childhood Programs**

“The transfer of professional development credentials, courses, credits, degrees and student performance-based competencies from one program or institution to another, ideally without the loss of credit” (LeMoine, 2009).

#### **Financial Incentives and Support**

Financial support may include increased compensation through programs such as T.E.A.C.H. Early Childhood Scholarships or state-based scholarships.

#### **Coaches, Consultants, and Mentors**

Professionals who work in child care settings to support the development of knowledge and skills of infant/toddler caregivers.

#### **Quality Rating and Information Systems (QRIS)**

Define standards for incremental levels of quality across a range of categories, and establish systems for rating and improving the quality of child care settings. (NITCCI, 2008)

## THE ROLE OF THE CHILD CARE CONSULTANT

### The child care consultant should:

- Observe the program for evidence that caregivers have ready access to information on infant/toddler development. Are there wall charts or posters with such information visible? What other resources are available?
- Review program practices to determine if developmental milestones are identified within tightly defined age ranges that allow for typical variations within development but still alert providers to possible delays.
- Review program policies on health and safety, the environment, and routine practices to ensure key points are addressed.
- Discuss professional development opportunities that support infant/toddler caregivers' knowledge of infant/toddler development.
- Be knowledgeable about the presence or emergence of infant/toddler initiatives (e.g., infant/toddler specialist networks, early learning guidelines, core knowledge and competencies, infant/toddler credentials within the state).

### Where to Find More Information

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American Academy of Pediatrics, American Public Health Association, & National Resource Center for Health and Safety in Child Care and Early Education. (2002). *Caring for our children: National health and safety performance standards: Guidelines for out-of-home child care programs* (2nd ed.). Elk Grove Village, IL: American Academy of Pediatrics and Washington, DC: American Public Health Association. Also available from <http://nrc.uchsc.edu>

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U.S. Dept. of Health and Human Services, Administration for Children and Families, Office of Head Start (2004). *Head Start Performance Standards*. Retrieved December 29, 2009 from <http://www.acf.hhs.gov/programs/ohs/>

## Web Sites

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American Red Cross, [www.redcross.org](http://www.redcross.org)

The Council for Professional Recognition's Child Development Associate (CDA) credential, <http://www.cdacouncil.org/default.htm>

Healthy Child Care America, <http://www.healthychildcare.org>

National Association for the Education of Young Children (NAEYC) Early Childhood Program Standards and Accreditation Criteria, <http://www.naeyc.org/accreditation>

National Infant & Toddler Child Care Initiative, <http://nccic.org/itcc/>

The Program for Infant Toddler Caregivers (PITC), <http://www.pitc.org>

ZERO TO THREE: National Center for Infants, Toddlers, and Families, <http://www.zerotothree.org>

## WHAT THE CHILD CARE CONSULTANT SHOULD KNOW

### *Engaging Parents In Development, Screening, and Ongoing Assessment*

Substantial research supports engaging families because family involvement results in positive outcomes for infants, toddlers, and their families. An ongoing challenge for caregivers is to develop and enhance skills that will offer young children the best possible learning experiences and opportunities in center-based settings, at home, and in the community. It is therefore essential that every effort be made to ensure that ongoing and effective communication and partnerships be established and maintained between caregivers and infants and toddlers and their families. Families provide a perspective on their child that is not readily accessible to the provider, and through which providers can gain a deeper understanding of the child's strengths and challenges. When families are equal partners in the observation, screening, and assessment processes, it ensures that strengths and needs are identified and appropriate supports are in place to individualize learning opportunities.

#### BOX 3

##### **Tips to Involve Families**

- Maximize daily arrival and departure.
- Acknowledge arrival or departure.
  - Share a quick but specific detail about the child's progress.
- Communicate often.
  - Regularly scheduled parent/caregiver meetings.
  - Distribute printed materials (such as a newsletter).
  - Learn from families if communication is efficient and effective.
- Offer home visits when appropriate.
- Notify families of workshops, trainings, and family-child groups.
  - Encourage family peer networking.
- Invite families to spend time in the child care setting.
- Provide resource materials and ideas for activities that families can do at home and in the community with their children.
- Recognize that family involvement is an ongoing process.
  - Learn from families about prior child care experiences and any new expectations in new child care settings.
- Acknowledge the perspective of the family on their child's strengths and needs.
- Be sensitive to the diversity in home cultures and how communication may need to be impacted.
- Host special family events throughout the year at different times of the day to accommodate a variety of family schedules.
- Be sure families are knowledgeable about curriculum and learning expectations.

Source: Harvard Family Research Project (2006).

## Family/Caregiver Collaboration to Support Overall Development

A key aspect of supporting and promoting child development is an effective, positive relationship between the family and the caregiver. Engaged communication gives early care and education programs an opportunity to actively and appropriately promote the development of infants and toddlers. Caregivers can promote effective communication between programs and parents by maximizing opportunities to communicate with families.

Family/caregiver communication about the child's development is critical to the process of individualizing the curriculum. A framework for an informed observation, screening, and assessment process is created when caregivers work together with families to assess developmental strengths and needs. Caregivers and families are then able to individualize curriculum and learning expectations for each child based on their unique strengths and needs. This process is discussed more completely in *Infant/Toddler Development: Curriculum and Individualization*, the Module 3 in this series.

### Parent/Caregiver Collaboration in Screening and Assessment

Parent participation is integral to effective screening and assessment of infants and toddlers. In keeping with the principles of screening and assessment described later in this module, information from multiple sources and settings is critical to capturing an accurate description of the child's development. The parents' perspective is helpful in gathering information about the child's activities and capacities in the home. Parents see their child in the child's ultimate "comfort zone," and thus have the advantage of observing developmental indicators that may not emerge in the less familiar child care setting.

In recognition of the importance of parent input in the screening and assessment process, some of the screening tools described in appendices C and D were designed to be completed by parents. If a program selects a tool that is not designed to be completed by parents, it remains important for the infant/toddler caregiver to work with parents in the screening and assessment process to assure that the skills and behaviors observed at the center are truly representative.

When parents are involved in screening and assessment, they become equal partners in the process. If a concern emerges about a child's development, this partnership paves the way for a discussion and decisions about the possible need for a referral. When parents are not involved in the process, they are less informed about developmental expectations and the infant/toddler caregiver's perspective of their child's progress. This lack of information establishes an "uneven playing field" and can make it difficult to discuss any concerns about the child's development.



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## BOX 4

### Communication Tips

- Be a good listener.
- Communicate strengths first.
- Affirm that families understand the message.
- Describe behaviors rather than use labels or diagnoses.
- Allow time for families to think, process, and respond.
- Be sensitive to the emotional needs of the family.
- Ask for feedback.
- Share resource information.
- Ask questions.
- Wonder with families.

## THE ROLE OF THE CHILD CARE CONSULTANT

### The child care consultant should:

- Review policies and documentation of children’s screening and assessment to check for parent participation in the process.
- Be available for consultation with infant/toddler caregivers around strategies to engage and communicate with families.

### Where to Find More Information

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## Web Sites

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- National Dissemination Center for Children with Disabilities (NICHCY), <http://www.nichcy.org/>
- National Early Childhood Technical Assistance Center (NECTAC), <http://www.nectac.org/partc/partc.asp>
- Vogel, C., Aikens, N., Burwick, A., Hawkinson, L., Richardson, A., Mendenko, L., et al. (2006). *Findings from the survey of Early Head Start Programs: Communities, programs, and families*. Washington, DC: U.S. Department of Health and Human Services, Administration for Children and Families.

# Observation, Screening, and Assessment

## WHAT THE CHILD CARE CONSULTANT SHOULD KNOW

**H**uman development in the first 3 years of life occurs with rapid changes in cognitive development, language, motor skills, and social/emotional skills. This foundation is so important that infant/toddler caregivers must be aware of each child's developmental progress. In a child care setting, knowledge of a child's development is accomplished through the key processes of observation, developmental screening, and ongoing assessment. The child care consultant can play an important role in helping infant/toddler caregivers understand the definitions, key concepts, and processes that can support understanding the developmental progress of infants' and toddlers'.

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### Observation

An important component of screening and ongoing assessment is observation. Observation is a process of gathering information that documents a child's growth and development. For observation to be meaningful and useful it must be objective and factual. Consultants can help caregivers understand they must document only what they see and hear when recording information about a child. Factual observations should include:

- Descriptions of actions.
- Quotations of language.
- Descriptions of gestures.
- Descriptions of facial expressions.
- Descriptions of creations.

Adjectives, such as fussy, angry, hyperactive, happy, and sad, leave interpretation to the reader, who may or may not have the same perception of these words as the observer. Learning to document accurately takes time and patience and needs to be supported by the consultant. References on this topic can be found in the "Where To Find More Information" section.

The variety of strategies used for documenting children's development are beyond the scope of this module, but the following nonstandardized methods can be implemented with basic instruction to caregivers:

- Anecdotal records or brief notes taken throughout the day that can be filed in the child's portfolio.
- The use of checklists or published developmental profiles.

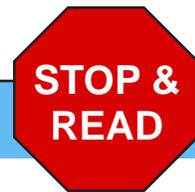
- Structured observations, such as using a grid to assure that each domain is noted for each child on a scheduled basis.
- Work samples, such as examples of representative work.
- Digital photographs of developmental accomplishments.
- Parent input.
- Videotaping.

### ***Screening and Assessment: Definition and Purpose***

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For the purposes of this module, discussion of screening and assessment will be limited to two key functions of early care and education:

1. *Developmental Screening* — assuring that any potential developmental concerns are identified and documented for referral to Early Intervention systems and other systems, as appropriate.
2. *Ongoing Assessment* — determining how a child is progressing across domains for purposes of planning individualized curriculum. (See Module 3, *Infant/Toddler Development: Curriculum and Individualization*, for a full discussion of how assessment leads to individualization.)



#### **BOX 5**

##### **An Early Childhood Dilemma: Definitions**

Because of the many disciplines involved in the field of early childhood development and the diverse array of programs serving young children, there are multiple definitions and rationales for assessment. A necessary caution to individuals familiar with a specific niche in this diverse field is that the word assessment often carries different meanings in different disciplines. The actual definition or intent of the word may vary depending on the context of the speaker and the purpose for which the term is used.

At this time, there is no official agreement on terminology across fields of study or practice. Terms such as assessment, ongoing assessment, authentic assessment, informal assessment, formal assessment, and evaluation often carry different meanings in different contexts. The Web site of the Chief Council of State School Officers (see the Where To Find More Information for this section) includes many of these definitions; however, differences remain in practice and create confusion during cross-discipline conversations.

All consultants, caregivers, and other professionals in the field are urged to check their assumptions about the meaning of the word and purpose of the process when discussing the assessment of young children.

## Infant/Toddler Developmental Screening

Screening is a brief assessment “intended to identify children who are at risk for developmental problems” (Meisels & Wasik, 1990, p. 613) or to determine if a child should be referred for diagnostic assessment or evaluation. In a screening, a small number of key indicators are briefly assessed in each developmental domain. Depending on the tool, a developmental screening can be completed by the child’s parent, teacher-caregiver, or other trained professional.

It is important for child care consultants to help infant/toddler caregivers understand that a developmental screening does not identify or diagnose a developmental delay. Screening tools “provide only a ‘snap shot’ of a child’s functioning” (Early Head Start National Resource Center, n.d.). A screening offers a quick look at major developmental milestones across domains, assuring the parent or teacher-caregiver that development appears to be progressing typically. If a screening shows that a child has not achieved the milestones or indicators typical for her age, these results indicate that further assessment is needed to gain a more accurate representation of the child’s development. (See the Red Flags and Referrals section.)

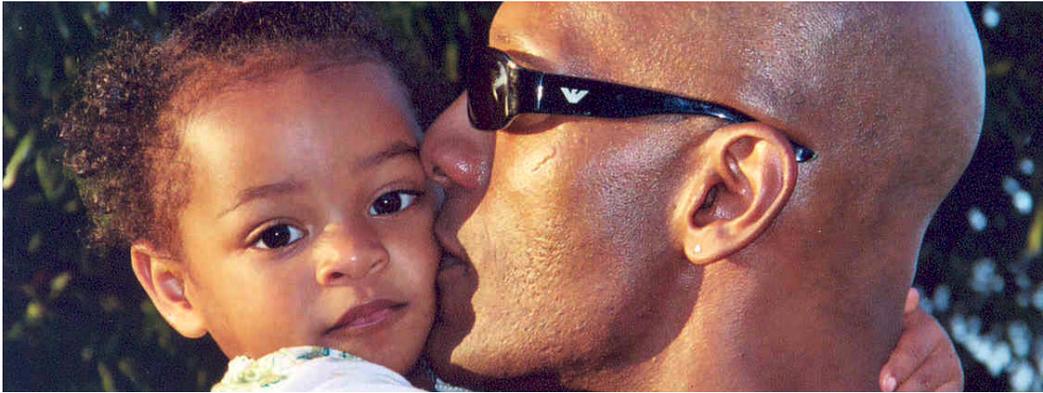
Child care consultants should also be aware that developmental screening is a mandated requirement in primary health care, and that infants and toddlers are recommended to have at least twelve well-child visits during their first 3 years. Consultants may support screening activities by reminding caregivers to coordinate with the family and the child’s health care home. The Health Insurance Portability and Accountability Act requires parental permission for such coordination.



### BOX 6

#### **Infant/toddler developmental screening provides broad insight into:**

- Physical health.
- Approaches to learning.
- Social and emotional development.
- Language and communication.
- Cognitive development and general knowledge.
- Motor development.
- Vision and hearing.
- Can raise a red flag that warrants further observation.



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## Evaluating and Selecting Screening Tools

In a child care setting, the assessment of infant/toddler development (discussed in the next section) relies primarily on ongoing observation and documentation of children's behaviors and accomplishments. In contrast, developmental screening typically relies on a tool designed specifically to look at development compared to norms across domains to determine if additional evaluation is warranted.

A number of commercially available screening tools are designed for use with infants and toddlers. Both the Early Head Start National Resource Center (EHS NRC) and the National Early Childhood Technical Assistance Center (NECTAC) have prepared a comparison of the more commonly used tools (see appendices C and D for copies of these comparisons). Information on many screening and assessment tools used to measure the effectiveness of services and outcomes in Early Head Start programs is available in a downloadable document from the Office of Planning, Research and Evaluation in the Administration for Children and Families ([http://www.acf.hhs.gov/programs/opre/ehs/perf\\_measures/index.html](http://www.acf.hhs.gov/programs/opre/ehs/perf_measures/index.html)).

### Key Considerations in Selecting Standardized Screening Tools

Given the importance of screening to determine if an infant or toddler needs further evaluation to determine his developmental status, consultants can help programs understand how critical it is to carefully select appropriate standardized screening tools. Standardized tools contain the following key components (Meisels & Atkins-Burnett, 2005):

#### *Is the tool reliable and valid?*

---

Reliability is the measure of how consistently the tool yields the same or similar results in similar circumstances. For example, reliability measures consistency of response if two different caregivers complete a screening on the same child.

If the tool is reliable, the scores of both examiners should be similar. Validity is the measure of whether or not the tool actually measures what it is designed to measure. For example, if a tool asks a toddler to point to a picture to demonstrate vocabulary knowledge, it may be that the child's scores might actually reflect her ability to sit and point, not her vocabulary. In this scenario, the tool would not be considered valid.

Reliability and validity information should be available for any tool considered by a program. If a tool does not include this information, it should not be used, as there is no evidence that the results gained from the tool are truly representative of the child's development.

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***Who can administer the tool?***

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Some developmental screening tools can be administered by parents or infant/toddler caregivers; some require specialized training to administer. Programs should review the requirements of the tool and assess the background and training of their staff to assure an appropriate decision is made.

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***Is the tool normed on a population similar to the children being screened?***

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In the creation of a screening or assessment tool, norming is a process in which the screen is conducted on samples of children to establish test norms or levels of performance by various subgroups. For example, if a tool was normed on infants and toddlers in a white-collar, Midwestern university town, it may be an inappropriate tool for infants and toddlers from migrant families experiencing poverty. The results may not accurately represent a full range of differences among different populations of children.

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***Is the tool culturally and linguistically appropriate?***

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Knowledge of the ethnic background of the community in which you conduct a screening program is essential to selecting an appropriate developmental or social/emotional screening instrument. Because communities vary greatly in their diversity, it is important to acknowledge that an instrument that works well for one population may not work as well for another population. Many screening and assessment tools are available in two or more languages and often list the population on which the test was developed.

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***How long will the screening take?***

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If the tool is administered through intentional interaction in one sitting, the length of time required is an important consideration when screening infants and toddlers.

### *Does the tool cover the age range needed?*

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It is critical that tools cover the ages of the children being screened.

### *How are parents involved in the administration of the tool?*

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Some tools are designed to be completed by parents, some by staff with parent input. Especially in a child care setting, it is important that caregivers work closely with parents to screen the development of infants and toddlers. Therefore, tools that include a significant role for parents are crucial to an effective process.

### *How difficult is the tool to administer and score?*

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Programs will want to review the complexity of tool administration and scoring before making a decision about which tool to use. A tool that is overly difficult will present a challenge to programs and staff.

*Note:* A full discussion of these points can be found in *Developmental Screening in Early Childhood: A Guide* (Meisels & Atkins-Burnett, 2005).



## ACTIVITY II: Comparing Screening Tools

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Using the resources in appendices C and D and the information in *Resources for Measuring Services and Outcomes in Head Start Programs Serving Infants and Toddlers* ( [http://www.acf.hhs.gov/programs/opre/ehs/perf\\_measures/index.html](http://www.acf.hhs.gov/programs/opre/ehs/perf_measures/index.html) ), select five tools and analyze their effectiveness and applicability in infant/toddler programs.

TOOL	AGE RANGE COVERED	DEVELOPMENTAL DOMAINS ADDRESSES	WHO CAN ADMINISTER?	RELIABILITY/ VALIDITY?	CULTURAL/ LINGUISTIC APPROPRIATNESS	ADMINISTRATION TIME?

## *Ongoing Assessment Of Infants and Toddlers*

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Ongoing assessment for the purpose of planning an individualized curriculum for the child should not be confused with the more formal process of assessment designed to determine the absence or presence of a developmental delay, or with a multidisciplinary evaluation to determine if a child is eligible for the state’s Part C/Early Intervention program. These formal assessment or evaluation procedures will vary with individual state requirements but are typically completed by Early Intervention professionals with specialized training in assessment and evaluation. These procedures may include the use of criterion-referenced or standardized assessment and evaluation tools. Administration of these tools requires training beyond that which is typically included in professional development systems for infant/toddler caregivers.

Beyond participation in Part C/Early Intervention, there are no nationwide systems that include developmental assessment of infants and toddlers. Child care consultants are urged to become familiar with the state systems supporting infant/toddler development in their state to assure familiarity with any additional assessment procedures that may be in place.

A chart depicting the potential connection between early care and education programs and Part C/Early Intervention for screening, assessment, evaluation, and program planning can be found in appendix B.

### **What Is Ongoing Assessment?**

Ongoing assessment in a child care program is the process of documenting children’s growth and learning through observation, for the purpose of planning appropriate activities that support the growth and development of an individual infant or toddler. Within this context, assessment can be defined as “a process designed to deepen understanding of a child’s competencies and resources, and of the care giving and learning environments most likely to help a child make fullest use of his or her developmental potential” (Greenspan & Meisels, 1996, p. 11).

The Head Start Performance Standards [45 CFR Part 1304], available through <http://eclkc.ohs.acf.hhs.gov/hslc>, provide regulations for child care programs serving infants and toddlers enrolled in Early Head Start and offer a reference defining high quality for infant/toddler programs. These standards define assessment as “the ongoing procedures used by appropriate qualified personnel throughout the period of a child’s eligibility to identify: (i) The child’s unique strengths and needs and the services appropriate to meet those needs; and (ii) The resources, priorities, and concerns of the family and the supports and services necessary to enhance the family’s capacity to meet the developmental needs of their child” (45 CFR 1304.3).



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Two key concepts included in these definitions of assessment are process and ongoing. These terms indicate that assessment is not a one-time event but rather a system designed to gather information that continues over the time of a child's enrollment in the program. Given the pace of development during the years from birth to 3, it is critical that assessment be an ongoing process to assure that any irregularities in development do not go unnoticed, and that the programming designed is appropriate for each child's unique developmental profile.

## BOX 7

### Principles of Ongoing Assessment

*The point of infant/toddler assessment is to learn more about the child, not to assign a grade or score. To ensure that the assessment process yields the most accurate information possible, assess young children in the natural context of their interactions with parents or caregivers. Early childhood research and national organizations have defined key principles for conducting assessments on young children:*

- **Parents and other primary caregivers are integral to the process.** Because the goal of screening and assessment is to gain the most accurate portrait of a child's development and capacities, the voices of those most familiar with the child must be central to the process.
- **Information is most accurate when gained from multiple sources and contexts.** Assessment information is more authentic when gleaned from multiple perspectives and the various everyday settings of the child. Parents and caregivers familiar with the infant or toddler can all provide useful information contributing to a more complete view of the child's development.
- **Assessments are recurrent processes.** Infants and toddlers develop rapidly, with major developmental milestones occurring frequently throughout the early years. Especially for very young children, it is critical to implement a schedule for assessment that will assure that knowledge of each child's development is up-to-date and accurate.
- **Tasks and settings should be relevant and familiar to the child.** The tasks used in assessments should be relevant to the child's daily routines and activities and conducted in familiar settings through interactions with known and trusted adults.
- **Assessment identifies current competencies as well as upcoming developmental markers.** Assessment must use a strengths-based approach, including information that can guide caregivers in facilitating future growth and development.
- **Assessors are knowledgeable and effectively trained.** Caregivers responsible for assessing a child must have a working knowledge of child development and be trained in the process of assessment. Both staff and families should be aware of the purpose and function of any assessment being conducted.
- **Tools used for assessment should be standardized, reliable, and valid.** When using commercially prepared tools for assessment, programs should use only tools that have a high degree of reliability and validity data reported. Assuring the validity of a tool includes verifying that it is only used for the specified purpose it was designed for, and that all assessment measures are culturally and linguistically appropriate for the child and family (Meisels and Atkins-Burnett, 2005).
- **Assessment should attend to the child's functional capacities, not isolated skills.** Authentic assessments document the child's ability to use skills in a functional manner throughout everyday routines, not simply if he or she can stack blocks or string beads. This approach acknowledges the integrated nature of development.
- **Assessment should be culturally and linguistically appropriate.** Assessors should remain conscious of the child's home culture and language throughout the assessment and in the interpretation of results.

Sources: Early Head Start National Resource Center (n.d.); Greenspan & Meisels (1996); Meisels & Provence (1989); NAEYC & NAECS/SDE (2003); Neisworth & Bagnato (2000); Neisworth & Bagnato (2004).

## BOX 8

### Components of Infant/Toddler Ongoing Assessment

- Observation.
- Formulating questions.
- Gathering information.
- Sharing observations.
- Documentation.
- Review of the data/record.
- Family involvement.
- Culturally and linguistically relevant.

### Ongoing Assessment of Infants and Toddlers: What Does It Look Like?

*After helping the last child brush her teeth after breakfast, Holly scanned the room and noticed Marissa and José on a cushion in the book corner looking at a picture book side-by-side. She picked up a sticky pad and pen from a nearby wall pocket and jotted down a few notes about what they were doing. She noted that Marissa was interacting quietly with José, sharing the book (social development), vocalizing a “story,” (language and communication), and turning the pages efficiently (fine motor and emergent literacy). On a separate note, she also noticed that José, who was holding the book right side up, pointed to a picture of a cow and said “Vaca” (cognitive, language, and emergent literacy).*

*Holly noted the date and time, and stuck the notes in a folder to be filed in each child’s portfolio during nap time.*

Observations such as this example, along with the variety of methods mentioned in box 8, contribute to ongoing assessment. A good way to organize the information collected over time about a child is by making a portfolio. A portfolio is an “organized purposeful compilation of evidence documenting a child’s development and learning over time” (McAfee & Leong, 2007, p. 100). With intentional selection of representative documentation, the portfolio becomes a record of what the child has done and can do, serving as the foundation for planning activities and experiences that will further support the child’s development.



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## BOX 9

### Uses of Ongoing Assessment

- Identifying the child’s current abilities in order to plan individualized curriculum and activities that will appropriately support the child’s development.
- Note any developmental concerns or delays.
- Documenting developmental progress.
- Planning individualized activities.
- Informing curricula.
- Producing a profile of child outcome data to inform program quality.

## BOX 10

### Child-Centered Practices in Screening and Assessment

- Infants and toddlers should not be separated from their family or trusted caregivers during assessment.
- Infants and toddlers should not be assessed by a person they do not know or with whom they are not comfortable.
- Assessments that are limited to areas that are easily measured, such as motor or cognitive skills, should not be considered complete.
- Formal tests or tools should not be the cornerstone of the assessment of an infant or young child.
- Child care consultants should work with programs to assure that screening or assessment does not occur without family knowledge or involvement.

Source: Greenspan & Meisels (1996).

## ACTIVITY III: Using Existing Practices to Compile Portfolios

The purpose of this activity is to provide an opportunity for consultants to reflect on and discuss with their peers how to help infant/toddler child care programs use portfolios to document observations. Although this activity lends itself to group discussion, it can also be a self-reflection exercise.

*As a child care consultant, you have been working with Sunshine Child Development Center. You have noticed that, although the caregivers regularly observe and intentionally plan for infants and toddlers in their care, they have no established process for documenting their observations.*

*How might you assist the director in establishing policies and procedures for creating portfolios as a record of each child's development, building on practices the program already has in place?*

- How would you begin the conversation with the director?
- What resources could you use to discuss children's portfolios?
- What needs to be in place to support implementation?

## ACTIVITY IV: Infant/Toddler Assessment — Challenges to Programs

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The principles described earlier represent best practices in the assessment of young children, including infants and toddlers. The application of these principles to practice may present challenges to programs struggling with the realities of staff turnover, lack of formal training, and other staffing issues.

In a large group, facilitate a discussion of these challenges, recording the challenges on chart paper. Guide the discussion to generate conversation around how a consultant might help a program overcome major challenges.

If the discussion starts slowly, it may help to begin discussion with one or more of the following possible challenges:

- Time for staff to complete observations and documentation.
- Untrained staff with little background in development.
- A focus on what the child can't do vs. what he or she can do.
- English-only infant/toddler caregivers working with infants and toddlers whose home language is not English.
- Parent perspective not valued.

## **ACTIVITY V: Consulting for Quality in Screening and Assessment**

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The purpose of this activity is to provide an opportunity for consultants to discuss their approaches to assisting child care programs develop appropriate screening and assessment procedures and policies.

Divide participants into small groups and have them discuss the consultation approach they might implement with one of the following programs to encourage more appropriate screening and assessment. It may be helpful to provide guiding questions for the discussion, such as:

- What might be the best way to approach the director?
- How would you start the conversation?
- What are some of the key points to discuss?

### **Programs for Discussion**

- You are asked to consult with Sunshine Early Learning Center, which has no screening or ongoing assessment process in place.
- You are asked to consult with Rainbow Early Learning Center, which has just begun serving infants and toddlers. The program’s director has reassigned some of her less credentialed infant/toddler caregivers from preschool to infant/toddler rooms. She describes how they have “adapted” their traditional preschool assessments for infants and toddlers by “using the same format” as for the preschoolers, but “expecting less, because they’re babies.” Their rationale for this adaptation was that the infant/toddler caregivers were familiar with the procedures, and she knows it’s important to have assessment as part of their overall program.
- You are asked to consult with the Wee Village Early Learning Center, which has been serving infants and toddlers for over 20 years. They use an assessment tool developed by a former lead teacher. The teachers are very comfortable with the tool and they feel the families like it. The lead teacher who developed it put their tool together by selecting items from an array of other assessments.

## THE ROLE OF THE CHILD CARE CONSULTANT

### The child care consultant should:

- Observe to see if program is using screening and assessment to individualize curriculum for infants and toddlers.
- Review professional development plans and link the program with the professional development activities that will strengthen skills in conducting ongoing assessment.

### Where to Find More Information

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Chief Council of State School Officers (n.d.). *The words we use: A glossary of terms for early childhood education standards and assessments*. Retrieved February 3, 2008 from [http://www.ccsso.org/projects/scass/projects/early\\_childhood\\_education\\_assessment\\_consortium/publications\\_and\\_products/2838.cfm](http://www.ccsso.org/projects/scass/projects/early_childhood_education_assessment_consortium/publications_and_products/2838.cfm)

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National Association for the Education of Young Children (NAEYC) and the National Association of Early Childhood Specialists in State Departments of Education (NAECS/SDE). (2003, November) *Early Childhood Curriculum, Assessment and Program Evaluation: Building an Effective Accountable System in Programs for Children Birth through Age 8*. (Joint Position Statement). Retrieved October 30, 2007 from <http://www.naeyc.org/about/positions/pdf/pscape.pdf>

National Institute for Early Education Research. (2004, July). *Preschool assessment: A guide to developing a balanced approach*. (Issue 7). New Brunswick, NJ: Author. Retrieved October 30, 2007 from <http://nieer.org/resources/policybriefs/7.pdf>

# Red Flags and Referrals

## WHAT THE CHILD CARE CONSULTANT SHOULD KNOW

Most infants and toddlers in child care settings meet developmental milestones within the typical range. But for a small percentage of children some factors in both nature (genetics, biology) and nurture (environment, interactions) can result in delays in typical development.

In some instances—for example, genetic conditions such as Down syndrome or perinatal events leading to cerebral palsy—developmental delays may be identified at the time of birth and are known at the time of the child’s enrollment in the child care program. In other young children a developmental delay may not be suspected until the range for the emergence of a major milestone has passed and the skill has not developed.

Consultants should be aware that child care is often the setting in which such observations are first made. Several factors contribute to this. First, programs carrying out developmental screenings are proactively attending to each child’s development, the primary purpose of screening being to identify any potential concerns. Second, the training and education of infant/toddler caregivers in infant/toddler development provides a lens through which variations in development may be more noticeable than to parents without similar training. Finally, the infant/toddler caregiver’s experience over the years with many children in a particular age range may make her very familiar with developmental markers that can highlight a potential developmental concern.

### *What Is a Red Flag?*

Red flag is an informal term that, in this context, simply implies that some aspect of the child’s development has been noticed as at risk for falling outside the range deemed typical. A red flag may be discovered during a standardized developmental screening or through the ongoing, daily interactions between the infant/toddler caregiver and child. In essence, a red flag is a signal to pay increased attention to the aspect of concern in a child’s development, and to be even more intentional in documenting observations and providing opportunities for the child to acquire the skill.

Red flags may occur in any aspect of the child’s development or learning. In addition to indicators that are addressed in developmental screenings, infant/toddler caregivers may observe red flags in a child’s health by using a daily health check (see Standard 3.001 in *Caring for Our Children*, <http://nrckids.org/CFOC/PDFVersion/Chapter%203.pdf>, for a sample health check), or in a child’s mental health by attention to infant mental health indicators (see Where to Find More



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Information for this section). Most important in identifying red flags for health or mental health is for the infant/toddler caregiver to observe for the regular presence of signs or behaviors that interfere with the child's development or learning. Rare or occasional variations in child health and behavior fall within the normal course of development.

Regardless of the area of development, a red flag indicates the need for closer observation and documentation of the child's development. If the concern continues typically the child is referred.

### **Atypical Development: When Does a Red Flag Become a Concern?**

The range for the achievement of most developmental milestones is wide. Therefore, it is not always easy to determine if a child is developing within normal limits or if there is a potential delay. Because of this, ongoing observation of the child's development and effective communication with parents is critically important. If observation, screening, or assessment indicates a potential developmental concern, the role of the infant/toddler caregiver is to maintain open communications with parents to exchange and compare information from home and program observations. If a question or concern exists, and if the parent is in agreement, the infant/toddler caregiver in collaboration with the parent should follow his or her organization's procedures for referral for further evaluation.

Child care consultants may be called upon to assist programs in multiple ways when questions of atypical development arise. Consultants can help programs understand that it is not the role of the consultant or program to determine the presence or absence of a developmental delay, but rather to refer the child to the appropriate systems if such a concern is suspected. Consultants can also provide support if the program is seeking help on how to share and discuss emerging concerns with parents.



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### **Communicating With Parents About Developmental Concerns**

The screening process and the rationale for conducting screenings should be communicated to parents during their orientation and should become part of an ongoing discussion throughout the child's enrollment in the program.

Often parents are not prepared to handle results from a screening that may indicate a potential developmental concern. Communicating with families about developmental concerns may be less emotionally stressful if families are knowledgeable of the process before screening takes place. An ongoing, effective communication process already in place between caregivers and families can help support the discussion about screening results. Caregivers who sincerely seek out parent input and participation build a trusting relationship with families. This trusting relationship allows for questions or concerns related to the child's development to be present in ongoing communication, with both parent and infant/toddler caregiver sharing observations to further discuss or resolve any questions about the child's development.

In situations where such substantive communication and relationships are not yet in place, or where parents are less involved in screening and assessment, it may be more challenging for infant/toddler caregivers to communicate with parents regarding concerns about a child's development. Child care consultants may need to assist or coach program staff in how to invite parents into a discussion of the child's development. The following tips may facilitate this process:

- Encourage programs and caregivers to invite parents into conversation about development on a regular basis. Conversation starters include comments such as:
  - “Today I saw her \_\_\_\_\_. What are you seeing at home?”
  - “I’m noticing that she’s trying to \_\_\_\_\_ (e.g., pull herself to stand). Have you noticed her trying this at home?”
  - “You must spend lots of time reading to him at home. I’ve noticed that he really likes books. What else does he really like to do?”
- Encourage programs and caregivers to invite parents to do activities at home that are designed to promote development. The following example points out an area needing development, without identifying it as a problem, and can involve parents in sharing in the process of promoting development.
  - “I’ve noticed that she’s not really holding her head very steady. Today we rolled up a hand towel and put it under her chest while she was on her tummy. It really helped her feel stable and she had fun watching the other children in that position. She didn’t even realize she was holding up her head! If you want to try that at home — for just a couple of minutes a time — it might help strengthen those muscles.”
- Encourage programs to avoid having their first conversation with parents



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about development focus on concerns or possible problems. Such information may be perceived as negative rather than helpful and is more likely to be accepted if offered in the context of ongoing conversations about development.

- Point out that, while infant/toddler caregivers may have both experience and training in infant/toddler development, parents may lack that valuable context. Therefore, what may appear an obvious concern to a provider may go unnoticed by a parent. Parents’ assertions that they have not noticed the same concern is likely based on a different context and is representative of their truth rather than a denial of the caregiver’s concerns.
- Validate that hearing the “news” that their child’s development may not be completely on track may be difficult for families. Rather than forcing a conversation parents are not ready to hear, the infant/toddler caregiver can spend time gently encouraging parents to participate in developmental observation or screening.
- Remind programs and staff that educating parents about developmental expectations — either through sharing developmental milestones or Early Learning Guidelines — may offer a firmer context for parents to make more discerning observations of their own or simply to better hear what the infant/toddler caregiver is communicating.
- Remind programs and staff that “being right” about their concerns (with

the parallel implication that the parent is “wrong”) is less helpful to the child’s development than developing a positive relationship with the parent. Sometimes it takes hearing a concern from multiple people over time to make it acceptable. The first person to bring it up is very important but may not be the person who finally succeeds in getting increased evaluation or services. This relationship will provide a more supportive context for further conversations about concerns, if they are warranted. The mode of transmitting the message also may impact the number of times it is given, as well as the form of the message. Caregivers may want to consider the nature of the parent’s learning approach and tailor the concern to the learning style of the parent — auditory, visual, or kinesthetic.

- Remind programs and caregivers that in a relationship-based approach, respect is the foundation of all communication with families. Attending to the parents’ ability to receive the information being communicated and maintaining a focus on mutual concern about the child’s overall well-being will lay the foundation to move forward.

Above all, remind programs and caregivers that participation in further evaluation and assessment is entirely voluntary for families. Parents are not required to participate in Early Intervention, accept that there may be a developmental concern, or agree with anything the infant/toddler caregiver communicates. If the infant/toddler caregiver truly has concerns about the child’s development, the most effective means of supporting that development is through a relationship-based approach with the family focused on the child’s well-being.

## BOX 11

### **Involving The Child’s Medical Home**

- Discuss with families and child care health consultants on how best to involve the medical home.
- A thorough medical evaluation may be performed to explore the reason for the delay.
- The child’s physician may have important information, such as whether there is already a referral in the works, or if this child was a premie and not delayed when development is corrected for prematurity.
- This is an opportunity for the child care health consultant to help a family find a medical home if they do not have one.

Source: AAP (June 2009) Personal Communication

## ACTIVITY VI:

### Supporting Infant/Toddler Caregiver Communication With Parents—What Would You Do?

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Present the following scenario, then facilitate a discussion with the group about the role of the child care consultant. It may be helpful to use a flip chart to help the group define some of the issues indicated in the scenario. It will be important to highlight and draw distinctions between:

- Talking *with* parents vs. talking *to* parents.
- 
- Judgment/understanding the parent’s perspective.
- 
- Concern about the child’s development.

*Note:* The specifics of the child’s development are not at issue in this scenario. The discussion should stay focused on the interactions between consultant and caregiver or caregiver and parent.

After the discussion, you can extend the activity if time allows by asking volunteers to role play a conversation between consultant and caregiver, in which the consultant coaches the caregiver in effective communication with parents when there are developmental concerns.

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*As a child care consultant, you are waiting to meet with the director at a center when you overhear the following exchange between two staff:*

*“You know... I’ve tried to talk to his mother several times about his development. He really should be rolling over by now, but...he just lays there and hardly even tries to move. Every time I start down that path with his mom, she just says, ‘Oh, he’s fine. His older brother was a late walker. There’s nothing wrong with him at all.’ But...I’m really worried about him. I’ve asked her to ask her doctor about his lack of movement but I don’t think she has.”*

*“Yeah, I know what you mean. I always have a hard time getting parents to listen when there is a problem.”*

*The director approaches you, having also heard this exchange. You are invited to assist.*

#### Questions to consider:

- Where do you begin?
- 
- What do you need to know?
- 
- What questions would you ask the concerned caregiver?
- 
- How can you support this issue?



## Referral

As a system designed to assess the child’s development across domains, Part C/Early Intervention serves as an effective referral point when a delay in development is suspected. Although less universal, many states have additional systems in place, such as a mental health or health consultation networks, which may offer further support in the critical domains of social/emotional development and health. To support infant/toddler child care settings, consultants should become familiar with the referral procedures for all consultant networks in their state. Because Part C/Early Intervention is the only system currently available in all states and is intended to support the development of infants and toddlers with disabilities or developmental delays, this section will focus on referrals to that system.

### State Part C/Early Intervention Systems

Part C of IDEA (the Individuals with Disabilities Education Act) is the federal law supporting early intervention systems for infants and toddlers with disabilities in states that voluntarily participate. State participation in Part C brings the guidance of federal regulations to the state system and allows the provision of federal funds for partial support of the program. Each state develops a state plan that defines the specific parameters for the state within federal guidelines.

As a first step after referral, Part C/Early Intervention systems are designed to determine eligibility, either through documentation of an established condition such as a genetic or medical diagnosis or through evaluation. If a delay is

suspected but an established condition has not been identified, a multidisciplinary evaluation (MDE) is completed to confirm eligibility. The MDE may be followed by an assessment intended to support planning for the Individualized Family Support Plan (IFSP, the birth to 3 equivalent to an Individualized Education Plan for preschool and school-aged children eligible for Special Education services), which will guide Early Intervention services for the eligible child and family.

Child care consultants and infant/toddler caregivers should know these key facts about Part C/Early Intervention:

- A primary provision of Part C is that early intervention services are to be delivered in the child’s “natural environment.” Natural environments are defined as including community settings in which children without disabilities participate [20 U.S.C. 1400 Sec. 632 (4)(g)]. A child care setting is a natural environment for the delivery of Part C services as defined in the law.
- The promotion of natural environments is related to a goal of the program: that participation in Early Intervention enhance the capacity of caregivers to support the child’s development. The implication is that caregivers will learn to embed intervention strategies in a child’s daily routines, with the support of the Early Intervention team. For example, most intervention visits by the Early Intervention specialist or therapist should take place within the context and routines of the care room, rather than having the child pulled out of the regular context for therapies.
- With these provisions, infant/toddler caregivers can serve as important members of a child’s Early Intervention team. If infant/toddler caregivers are not included in planning and implementation of intervention strategies, child care consultants can work with the program to understand Part C



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regulations and the importance of their role. Further, consultants can encourage programs to communicate their interest and willingness to function as a part of the IFSP team.

- Part C/Early Intervention programs are required to facilitate a child’s transition from the Part C to Part B/Early Childhood Special Education services where appropriate, or to other services that will continue to support the child’s development when he ages out of Early Intervention.

The National Early Childhood Technical Assistance Center (NECTAC) provides support to state and local Early Intervention systems and may serve as a helpful resource to child care consultants. The Part C portion of the NECTAC Web site can be accessed at <http://www.nectac.org/partc/partc.asp>.

### **Knowing When and How to Refer**

A critical provision of Part C/Early Intervention is that each state determines the eligibility criteria for Early Intervention services through its state system. Child care consultants will need to become familiar with the eligibility criteria for the state they serve. There is wide variability in eligibility definitions, with some states serving children who are “at risk” for developmental delays (due to environmental or other known risk factors), and others having significantly more restrictive criteria.

It is also important for consultants to know how to access the point of entry into the state Part C/Early Intervention system, as these also vary from state to state. This information can be accessed through links to each state system on the NECTAC Web site at <http://www.nectac.org/contact/ptccoord.asp>. These links should lead to information on how to refer, as well as to the state’s eligibility criteria.

The question of when to refer a child to Part C is somewhat dependent on the state’s eligibility criteria. In states with broad eligibility (such as those serving children “at risk”), it may be appropriate to refer an infant or toddler with only a slight indication of a developmental concern. States with narrow eligibility criteria (e.g., “a 50% delay in development in any one domain”) may not accept a referral for a child who clearly will not be eligible.

However, it is not the role of the child care program to determine the presence or absence of a delay. Therefore, if concerns are present and there is any question about whether or not a child might be eligible, a referral should be discussed with parents and made to the Part C/Early Intervention system with parent approval. In the process of screening and ongoing assessment of the infants and toddlers in their care, a child care program should maintain documentation of each child’s

development, including any concerns that are noticed. With parents' permission, these can be shared with the Part C point of referral to help determine eligibility.

It is this step in the process where child care consultants may be asked to assist, either to verify concerns and support the process of deciding to make a referral, or to support a caregiver's communication with the family. Depending on the child care consultant's background and expertise, the program may prefer to have an additional layer of reflection and verification of concerns to support the process.

The child care consultant should be aware of and may be called upon to support infant/toddler caregiver understanding that participation in Part C/Early Intervention is voluntary for families. If parents are not interested in a referral for further evaluation, they have the right and authority to decline.

### **Multidisciplinary Evaluations**

Once a referral has been accepted by the Part C/Early Intervention system, the regulations allow 45 days for completion of a multidisciplinary evaluation to determine eligibility, and the development of an Individualized Family Service Plan (IFSP) for eligible children. Evaluations for eligibility typically involve formal assessments and include information from multiple sources to help make the determination.



## ACTIVITY VII: Connecting With Systems Supporting Infant/Toddler Development

The purpose of this activity is to help consultants provide information and resources to child care programs and caregivers about state systems that support infant/toddler development.

Using the links provided for Part C/Early Intervention information and other systems in the preceding text, complete the following for your state:

	<b>PART C/ EARLY INTERVENTION</b>	<b>MENTAL HEALTH</b>	<b>HEALTH</b>	<b>OTHERS</b>
Name of coordinator or area contact				
Lead agency				
Contact number for making a referral				
Location of closest point of entry to the system				
Eligibility criteria for services				
Other relevant information helpful to child care provider				

## THE ROLE OF THE CHILD CARE CONSULTANT

### The child care consultant should:

- Review program policies and/or documentation of screening to determine appropriateness of approach, including the inclusion of parent participation in the process.
- Know the point of entry for the State’s Part C/Early Intervention system.
- Know the eligibility criteria for the State’s Part C/Early Intervention system.
- Review policies related to the program’s practice for referral if concerns emerge in a child’s development.
- Review any existing practices related to the delivery of Part C/Early Intervention services within the program, and ensure that interventions are supported within the natural routines of the room.
- Support the program in ensuring effective communication between specialists, directors, infant/toddler caregivers, and family members.
- Know local contact information for Health Consultation.
- Be aware of additional existing supports, such as Mental Health Consultation.
- Be aware of state systems that integrate health, mental health, family support, prevention, and Early Intervention services.

### Where to Find More Information

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American Academy of Pediatrics, American Public Health Association, & National Resource Center for Health and Safety in Child Care and Early Education. (2002). *Caring for our children: National health and safety performance standards: Guidelines for out-of-home child care programs (2nd ed.)*. Elk Grove Village, IL, & Washington, DC: American Academy of Pediatrics and American Public Health Association. Available from <http://nrckids.org>

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## Web Sites

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Center on the Social and Emotional Foundations of Early Learning (CSEFEL), <http://www.vanderbilt.edu/csefel>

Commonwealth Fund, [www.abcdresources.org](http://www.abcdresources.org)

Includes several demonstration models of Child Care Health Consultants helping caregiver communities begin developmental screening. This program is funded to improve child health and development.

National Early Childhood Technical Assistance Center (NECTAC), <http://www.nectac.org/partc/partc.asp>

National Dissemination Center for Children with Disabilities (NICHCY), <http://www.nichcy.org/>

Talaris, [www.talaris.org](http://www.talaris.org)

Includes an interactive developmental timeline.

Healthykids, [www.healthykids.us](http://www.healthykids.us)

Includes content about health and safety in out-of-home care in a form that helps parents and caregivers improve the setting the child is in.

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## APPENDICES

## APPENDIX A:

### Developmental Milestones of Children From Birth to Age 3

*Note: This list is not intended to be exhaustive. Many of the behaviors indicated here will happen earlier or later for individual infants. The chart suggests an approximate time when a behavior might appear, but it should not be rigidly interpreted.*

*For the most part, behaviors appear in this chart in the order in which they emerge in children. Particularly for younger infants, the behaviors listed in one domain overlap considerably with several other developmental domains. Some behaviors are placed under more than one category to emphasize this interrelationship.*

	BIRTH TO 8 MONTHS	FROM 8 MONTHS TO 18 MONTHS	FROM 18 MONTHS TO 3 YEARS
<p><b>I Learn Who I Am</b></p>	<p><b>I learn about my body.</b></p> <ul style="list-style-type: none"> <li>• I discover that my hands and feet are part of me.</li> <li>• I can move them.</li> </ul> <p><b>I learn to trust your love.</b></p> <ul style="list-style-type: none"> <li>• I feel secure when you hold me in your arms.</li> <li>• I feel good when you smile at me.</li> </ul> <p><b>I learn to comfort myself.</b></p> <ul style="list-style-type: none"> <li>• I may suck my fingers or hands—it soothes me.</li> </ul> <p><b>I can make things happen.</b></p> <ul style="list-style-type: none"> <li>• I can kick a mobile and make it move.</li> <li>• I can smile at you and you will smile back at me.</li> </ul>	<p><b>How I feel about myself depends on how you care for me and play with me.</b></p> <ul style="list-style-type: none"> <li>• I feel competent when you invite me to help you.</li> <li>• I feel confident in my abilities when you let me try new things.</li> </ul> <p><b>I am showing you that my sense of self is growing stronger when I am assertive.</b></p> <ul style="list-style-type: none"> <li>• I sometimes insist on things going my way.</li> <li>• When I say “No!” it often means I am an individual.</li> </ul> <p><b>I am learning language about me.</b></p> <ul style="list-style-type: none"> <li>• I can point to and tell you the names of one or more parts of my body.</li> <li>• I begin to use “me,” “I,” and “mine.”</li> </ul>	<p><b>Sometimes I feel powerful. But independence can be scary. I count on you to set clear and consistent limits that keep me safe.</b></p> <ul style="list-style-type: none"> <li>• When I test limits, I am learning who I am and how I should behave.</li> </ul> <p><b>I feel good about myself and where I come from when my culture is reflected in my child care setting.</b></p> <ul style="list-style-type: none"> <li>• I feel I belong when you speak to me in my home language.</li> <li>• I feel proud when I see pictures of my family and other people like me hanging on the wall.</li> </ul> <p><b>I sense how you feel about me. Your feelings help shape how I feel about me.</b></p> <ul style="list-style-type: none"> <li>• When you respect me, I respect myself.</li> <li>• I tune in carefully to your tone and words when you talk about me.</li> </ul> <p><b>Sometimes I want to be big. Sometimes I want to be a baby again. And sometimes I want to be both—at the same time. This is one of the reasons my behavior is sometimes hard for you to understand. I don’t understand it myself.</b></p> <ul style="list-style-type: none"> <li>• Sometimes I will walk. Other times I want a ride in the stroller.</li> <li>• Sometimes I push you away. Other times I want you to hold me close. It’s O.K.—I still love you.</li> </ul> <p><b>I am learning more self-control.</b></p> <ul style="list-style-type: none"> <li>• I understand more often what you expect of me.</li> <li>• Sometimes I can stop myself from doing things I shouldn’t. Sometimes I can’t.</li> </ul>

	BIRTH TO 8 MONTHS	FROM 8 MONTHS TO 18 MONTHS	FROM 18 MONTHS TO 3 YEARS
<b>I Learn About Feelings</b>	<p><b>I can show you many feelings—pleasure, anger, fear, sadness, excitement, and joy.</b></p> <ul style="list-style-type: none"> <li>• I smile and wiggle to show you I like playing with you.</li> <li>• I frown or cry when you stop paying attention or playing with me.</li> </ul> <p><b>Sometimes I need you to help me with my feelings.</b></p> <ul style="list-style-type: none"> <li>• I need you to try to understand how I feel.</li> <li>• I need you to protect me when I feel overwhelmed or scared.</li> </ul> <p><b>I share my deepest feelings. I know and trust you.</b></p> <ul style="list-style-type: none"> <li>• My smile is brightest for you.</li> <li>• I can protest strongly when I am upset. I know you will be there for me no matter what.</li> </ul>	<p><b>My feelings can be very strong.</b></p> <ul style="list-style-type: none"> <li>• I laugh and may shriek with joy when I am happy and we are having fun.</li> <li>• I may sometimes hit, push, or bite because I'm angry or frustrated.</li> </ul> <p><b>I care deeply about you.</b></p> <ul style="list-style-type: none"> <li>• I may smile, hug you, run into your arms, or lean against you to show my affection.</li> <li>• I may try to follow you or cling when you get ready to leave.</li> <li>• I know now when you're gone, and it frightens me.</li> </ul> <p><b>Knowing when you will return makes me feel better and helps me learn about time.</b></p> <ul style="list-style-type: none"> <li>• I am slowly learning that when those I love leave, they will return. A consistent daily schedule helps me know when things will happen.</li> </ul>	<p><b>My feelings can be very strong.</b></p> <ul style="list-style-type: none"> <li>• I feel proud of things I make and do.</li> <li>• I may be afraid of the dark, monsters, and people in masks or costumes.</li> </ul> <p><b>I am learning to control my feelings.</b></p> <ul style="list-style-type: none"> <li>• I am learning to use words to control my feelings.</li> <li>• I sometimes practice how to express my feelings when I play.</li> </ul> <p><b>I know you have feelings too.</b></p> <ul style="list-style-type: none"> <li>• I learn how to care for others by the way you care for me.</li> <li>• I sense when you are happy and truly there for me. It makes me feel good.</li> </ul>
<b>I Learn to Move and Do</b>	<p><b>At first, my body moves automatically.</b></p> <ul style="list-style-type: none"> <li>• I search for something to suck.</li> <li>• I turn my head when something blocks my breathing.</li> </ul> <p><b>Within a few months, I begin to learn to use my fingers and hands.</b></p> <ul style="list-style-type: none"> <li>• I put my hand and objects in my mouth.</li> <li>• I can move an object from one hand to another.</li> </ul> <p><b>Over time, I move my body with a purpose.</b></p> <ul style="list-style-type: none"> <li>• I can hold my head up.</li> <li>• I can roll over.</li> <li>• I can crawl by myself.</li> <li>• I may even be able to stand up if I hold on to you.</li> </ul>	<p><b>I am learning to do new things with my fingers and hands.</b></p> <ul style="list-style-type: none"> <li>• I can make marks on paper with crayons and markers.</li> <li>• I can use a spoon and drink from a cup.</li> </ul> <p><b>I am learning to move in new ways.</b></p> <ul style="list-style-type: none"> <li>• I can sit in a chair.</li> <li>• I can pull myself up and stand by holding onto furniture.</li> <li>• I learn to walk, first with help and then alone. Sometimes I still like to crawl.</li> </ul>	<p><b>I can do many new things with my fingers and hands.</b></p> <ul style="list-style-type: none"> <li>• I scribble with a crayon or marker and may be able to draw shapes, like circles.</li> <li>• I can thread beads with large holes.</li> <li>• I am learning to use scissors.</li> </ul> <p><b>I move in new ways.</b></p> <ul style="list-style-type: none"> <li>• I kick and throw a ball. I may be able to walk upstairs putting one foot on each step.</li> </ul> <p><b>I can handle many everyday routines by myself.</b></p> <ul style="list-style-type: none"> <li>• I can dress myself in simple clothes.</li> <li>• I can pour milk on my cereal.</li> </ul>

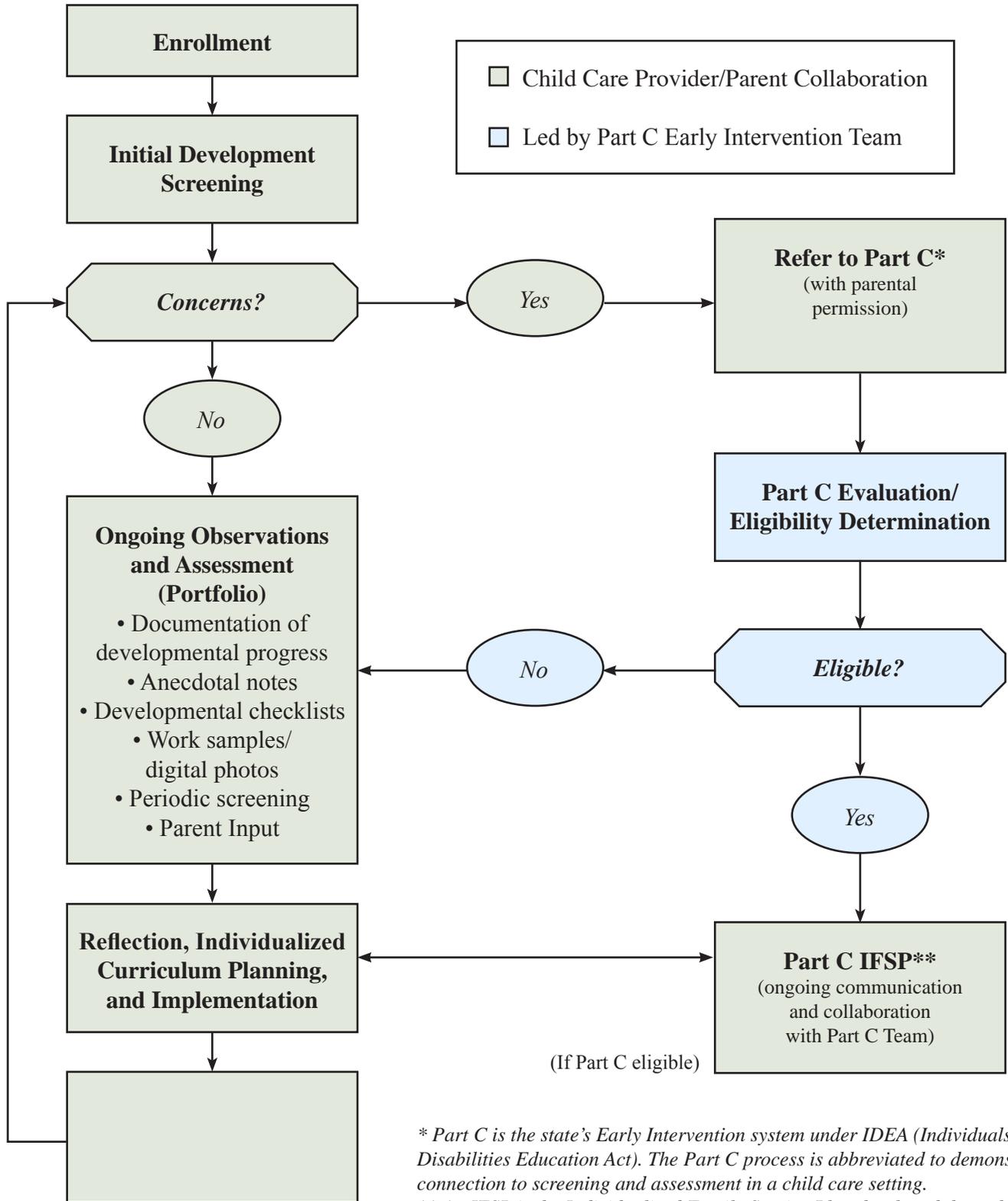
	BIRTH TO 8 MONTHS	FROM 8 MONTHS TO 18 MONTHS	FROM 18 MONTHS TO 3 YEARS
<p><b>I Learn About People, Objects, and How Things Work</b></p>	<p><b>I can tell the difference between people I know and people I do not know.</b></p> <ul style="list-style-type: none"> <li>• I recognize my parents’ voices.</li> <li>• I relax more when I am with you and other people I know.</li> </ul> <p><b>I sometimes am afraid of strangers.</b></p> <ul style="list-style-type: none"> <li>• I sometimes cry if a stranger gets too close to me or looks at me directly in the eyes.</li> </ul> <p><b>I like to be with you.</b></p> <ul style="list-style-type: none"> <li>• I like to be held by you.</li> <li>• I like you to talk softly and smile at me. I smile and “talk” back to you.</li> </ul> <p>You are the most important person in my life.</p> <p><b>I learn about how the world works.</b></p> <ul style="list-style-type: none"> <li>• I like to look around and see new things.</li> <li>• I like to play games with you, like peek-a-boo and hide-and-seek.</li> </ul>	<p><b>I am learning about choice and choices.</b></p> <ul style="list-style-type: none"> <li>• I have favorite toys and favorite foods.</li> <li>• I like to choose what to wear.</li> </ul> <p><b>I like to see and be with other children my age or a little older.</b></p> <ul style="list-style-type: none"> <li>• I have fun making silly faces and noises with other children.</li> <li>• I do not know yet how to share but I learn though supervised play with others.</li> </ul> <p><b>I want to be like you.</b></p> <ul style="list-style-type: none"> <li>• I learn how to relate to other people by watching how you act with me, our family, and our friends.</li> <li>• I feel proud and confident when you let me help you with your “real work,” like scrubbing the carrots.</li> </ul> <p><b>I learn about how the world works.</b></p> <ul style="list-style-type: none"> <li>• I am very interested in how the world works.</li> <li>• If my music box winds down, I may try to find a way to start it again.</li> </ul>	<p><b>I am more aware of other children.</b></p> <ul style="list-style-type: none"> <li>• I am aware when other children are my age and sex.</li> <li>• I am aware of skin color and may begin to be aware of physical differences.</li> </ul> <p><b>I like to play together with other children.</b></p> <ul style="list-style-type: none"> <li>• I may pretend we are going to work or cooking dinner.</li> <li>• I build block towers with them.</li> </ul> <p><b>I am beginning to be aware of other children’s rights.</b></p> <ul style="list-style-type: none"> <li>• I learn I don’t always get my way.</li> <li>• Sometimes I can control myself when things don’t go my way.</li> <li>• Sometimes I can’t.</li> </ul> <p><b>I am becoming aware of how you respond to my actions.</b></p> <ul style="list-style-type: none"> <li>• I know when you are pleased about what I do.</li> <li>• I know when you are upset with me.</li> </ul> <p><b>I learn about how the world works.</b></p> <ul style="list-style-type: none"> <li>• I may be able to put toys in groups, such as putting all of the toys with wheels together.</li> <li>• I can find a familiar toy in a bag, even when I can’t see it.</li> </ul>

	BIRTH TO 8 MONTHS	FROM 8 MONTHS TO 18 MONTHS	FROM 18 MONTHS TO 3 YEARS
<p><b>I Learn to Communicate and Relate</b></p>	<p><b>I can tell you things—even as a newborn.</b></p> <ul style="list-style-type: none"> <li>• I cry to tell you I need you.</li> <li>• I communicate through the expressions on my face and gestures.</li> </ul> <p><b>Within a few months, I develop new ways to communicate.</b></p> <ul style="list-style-type: none"> <li>• I learn to make many different sounds. I laugh.</li> <li>• I use my sounds, change the expression on my face, and move around to get your attention.</li> </ul> <p><b>I learn to babble.</b></p> <ul style="list-style-type: none"> <li>• I make some of the sounds that I hear you use.</li> <li>• Sometimes I try to imitate you.</li> <li>• I like you to imitate my sounds too.</li> </ul> <p><b>I like to “talk” with you—even though I don’t yet speak words.</b></p> <ul style="list-style-type: none"> <li>• I may catch your eye and smile to tell you I am ready to communicate with you.</li> <li>• I stretch my arms towards you when I want you to pick me up.</li> </ul>	<p><b>I communicate through my expressions and actions.</b></p> <ul style="list-style-type: none"> <li>• I point to let you know what I want.</li> <li>• I may hit, kick, or bite when I get too frustrated or angry.</li> </ul> <p>I need you to help me learn how to express these feelings in acceptable ways.</p> <p><b>I communicate using sounds and words.</b></p> <ul style="list-style-type: none"> <li>• I create long babble sentences.</li> <li>• I may be able to say 2 to 10 or more words clearly.</li> </ul> <p><b>I understand more than you may think—much more than the words I can say.</b></p> <ul style="list-style-type: none"> <li>• I listen to you and watch you because I understand more than just words.</li> <li>• I learn to look at a ball when you say “ball” in my home language.</li> </ul>	<p><b>I have many things to tell you.</b></p> <ul style="list-style-type: none"> <li>• I may know up to 200 words in my home language and sometimes in a second language.</li> <li>• I can tell you things that happened yesterday and about things that will happen tomorrow.</li> </ul> <p><b>I like you to read and tell me stories.</b></p> <ul style="list-style-type: none"> <li>• I especially enjoy stories that are about something I know.</li> <li>• Sometimes I may listen for a long time. Other times I may listen for just a little while.</li> <li>• Sometimes I like to “read” or tell you a story too.</li> </ul> <p><b>I play with words.</b></p> <ul style="list-style-type: none"> <li>• I like songs, fingerplays, and games with nonsense words.</li> <li>• Sometimes I can use an object as if it were something else. For example, I might use a block for a phone.</li> </ul>

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## APPENDIX B:

### Infant/Toddler Early Care and Education and the Part C Screening/Assessment Cycle



## APPENDIX C:

### Early Head Start National Resource Center Technical Assistance Paper No. 4

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#### SCREENING AND ASSESSMENT TEST REVIEWS

- Ages & Stages Questionnaire
- Denver Developmental Screening II
- Battelle Developmental Inventory Screening Test
- Birth to Three Assessment & Intervention System
- Minnesota Child Development Inventory
- Minnesota Infant Development Inventory

*Each review includes a description of the instrument; information on standardization, reliability, and validity; and the potential use of the instrument. Each review is a summary of a published evaluation of the tool and references follow each review.*

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#### AGES & STAGES QUESTIONNAIRE (ASQ)

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**Age range:** 4 months to 60 months

**Purpose:** Parent-completed child monitoring system

**Publication Dates:** Original Publication Date 1979, Revised 1991, 1994, 1999

**Publisher:** Paul Brookes Publishing Co.

P. O. Box 10624

Baltimore, MD 21285-0624

**Description:** The ASQ was designed to screen for developmental delays by evaluating an infant's development over time. The system consists of 11 questionnaires to be completed by the parent at 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 27, 33, 36, 42, 48, 54, and 60 months of age. Each questionnaire contains 30 items and examines development in the following five domains: communication, gross motor, fine motor, problem solving, and personal and social development. There are three choices parents can choose from in answering questions ("yes," "sometimes," "not yet"). Each questionnaire also provides a section where parents can identify general concerns that may not be captured by questionnaire items. All items are written at a sixth grade reading level, and a Spanish version is available. There is also a video tape available that provides guidance on how the system may be used in a home visiting context. Estimated administration time is 10–30 minutes. An Administration Manual provides information on using the system and scoring the questionnaires, and guidance is offered on how one might evaluate the usefulness of the system in their given program.

**Standardization:** The sample reported in the Administration Manual is comprised of 2,008 children from the states of Oregon, Hawaii, and Ohio. The sample includes children from a variety of ethnic (Caucasian, African American, Hispanic, Native American) and socioeconomic backgrounds. However, parents from Asian backgrounds appear underrepresented. Among the standardization group, data has been gathered on typically developing infants, as well as infants at risk for developmental delay due to medical and/or environmental risk factors. In fact, from 1980 to 1988 the research sample evaluated largely consisted of infants who were deemed medically at risk.

**Reliability/Validity:** Both test-retest reliability and interrater reliability data on use of ASQ have been found to be fairly acceptable. Interrater reliability, in this case, refers to the percent of agreement between the parent's rating and those of a professional. Validity studies have also yielded fairly positive findings. The underreferral rate (those with a delay but not picked up by the ASQ) across the 11 age intervals ranged from 1% to 13% while

the overreferral rate (those identified by ASQ as having a delay where in fact no delay was found upon subsequent assessment) ranged from 7% to 16%. Sensitivity ranged from 38% to 90% across the 11 age intervals and specificity ranged from 81% to 90% across the age intervals.

**Utility:** Very few reviews have been published on the utility of this instrument. Current data on the reliability and validity of the tool suggest that it offers promise as an infant/toddler screening tool. See listing of references below for additional research data on ASQ. Please note that prior to the 1994 revision the instrument was referred to in the research literature as the Infant Monitoring System.

**References:**

Bricker, D., Squires, J., Kaminski, R., & Mounts, L. (1988). The validity, reliability, and cost of a parent-completed questionnaire system to evaluate at-risk infants. *Journal of Pediatric Psychology*, 13, 55–68.

Squires, J. K., Nickel, R., & Bricker, D. (1990). Use of parent completed developmental questionnaires for child find and screen. *Infants and Young Children*, 3, 46–57.

Squires, J., & Bricker, D. (1991). Impact of completing infant developmental questionnaires on at-risk mothers. *Journal of Early Intervention*, 15, 162–172.

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**DENVER DEVELOPMENTAL SCREENING – II**

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**Age range:** 2 weeks to 6 years

**Purpose:** A screening tool to detect developmental delays

**Publication Dates:** 1967–1990

**Publisher:** Denver Developmental Materials, Inc.

P.O. Box 371075

Denver, CO 80237-5075

**Description:** This instrument was designed to be a quick and simple screening tool to be used in clinical settings by people with little training in developmental assessment. The test is comprised of 125 items, divided into four categories: Gross Motor, Fine Motor/Adaptive, Personal/Social, and Language. The items are arranged in chronological order according to the ages at which most children pass them. The test is administered in 10–20 minutes and consists of asking the parent questions and having the child perform various tasks. The test kit contains a set of inexpensive materials in a soft zippered bag, a pad of test forms, and a reference manual. The manual includes instructions for calculating the child’s age, administering and scoring each item, and interpreting the test results.

The test items are represented on the form by a bar that spans the age at which 25%, 50%, 75%, and 90% of the standardization sample passed that item. The child’s age is drawn as a vertical line on the chart and the examiner administers the items bisected by the line. The child’s performance is rated “Pass,” “Caution,” or “Delay” depending on where the age line is drawn across the bar. The number of Delays or Cautions determines the rating of Normal, Questionable, or Abnormal.

**Standardization:** The original standardization sample consisted of 1,036 children and approximated the occupational and ethnic distribution of Colorado. Children with known handicaps, twins, breech or premature birth, and adopted children were excluded. The re-standardization in 1990 included 2,096 children. The demographic characteristics of the sample approximate the distribution in Colorado, which compared to the population of the

United States is an overrepresentation of Hispanic infants, an underrepresentation of African American infants, and a disproportionate number of infants from Caucasian mothers with more than 12 years of education.

**Reliability/Validity:** This test has been criticized for a number of inadequacies. The fit between the test items and what the test is supposed to measure has been questioned. The most serious concern has been its lack of sensitivity in correctly identifying children with developmental delays, particularly children under 3 years of age. The standardization sample is not representative of the nation as a whole, but simply presents the age at which children in Colorado are able to do a variety of tasks.

**Utility:** This test is widely used due to its ease of administration and scoring. The weaknesses of this test are due to its psychometric problems and the tendency to miss children with developmental delays. Moreover, the use of this test on populations other than healthy, white, upper middle class children has been questioned due to the standardization process. The DDST is intended only for screening purposes, and should not be used as an in-depth assessment of developmental functioning or to plan intervention programs.

**References:**

Buros, O. (Ed.). (1995). *Mental Measurements Yearbook*, (12th ed.), pp. 263–266. Lincoln, NE: Buros Institute of Mental Measurements.

Keyser, D., & Sweetland, R. (Eds.). (1985). *Test Critiques* (Vol. I, pp. 239–251). Austin, TX: PRO-ED.

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**BATTELLE DEVELOPMENTAL INVENTORY SCREENING TEST**

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**Age range:** Birth to 8 years

**Purpose:** General screening for developmental delays

**Publication Dates:** 1984

**Publisher:** DLM Teaching Resources

One DLM Park

Allen, TX 75002

**Description:** The Battelle Screening Test is a part of a larger test called the Battelle Developmental Inventory (BDI). The full-scale BDI is designed as a diagnostic assessment. The Screening Test is designed to identify children who are at risk for delay and in need of a more comprehensive evaluation with the full-scale BDI. The Screening Test consists of 96 items in the areas of motor, communication, personal-social, adaptive, and cognitive development. Three methods of assessment may be used: administering the items to the children, observing the child in a natural context, and parent report. The manual provides adaptations that can be made for children with handicapping conditions.

**Standardization:** The standardization for the Screening Test is based on the data collected for the larger BDI. Eight hundred children participated and were selected according to race, gender, and geographic region according to the U.S. Census Bureau. While the total percentage of minority children for the total sample was representative of the national percentage, the sub-sample at any particular age range may be quite small (e.g., only one minority male in the age range of 12–17 months). Also, the minority children included Hispanic and African American, but did not include Asian or Native American families. Children in poverty may also be underrepresented as the authors did not attempt to control for socioeconomic status. There is no mention whether children with handicaps were included in the sample.

**Reliability/Validity:** Only information on the parent BDI was available. One reviewer raised considerable questions concerning the cut-off scores. In many cases (46% of the age levels), the range of raw scores separating a moderate delay (-1 standard deviation) from a severe delay (-2.33 standard deviations) was 0, 1, or 2 points. For another example, a child who receives a nearly perfect score (39 passes out of 40 items) on the Motor Domain, receives a rating of moderate delay at -1 standard deviation below average. Furthermore, children whose birthdays are at the borderline of the age intervals can have identical test performance but significantly different scores.

Additional concerns with this test include the fact that the examiner must collect their own test materials, and the test can be administered differently for each child. Therefore, the normative comparisons are flawed. An examiner cannot compare the performance of a handicapped child to the norms if the administration has been altered.

**Utility:** Given the psychometric inadequacies of this test, the reviewers recommend that the BDI Screening Test be used only as an additional aide in assessing a child's developmental skills, and not as a tool to make a decision regarding a child's placement or referral. The error rates when using the cut-off scores is extremely high. They recommend that the cut-off scores not be used in making referral decisions, and that this test should not be used with infants under 6 months of age.

**References:**

Buros, O. (Ed.). (1990). *Mental Measurements Yearbook* (10th ed., pp. 23–31). Lincoln, NE: Buros Institute of Mental Measurements.

Keyser, D., & Sweetland, R. (Eds.). (1985). *Test Critiques* (Vol. 2, pp. 72–82). Austin, TX: PRO-ED.

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**BIRTH TO THREE ASSESSMENT AND INTERVENTION SYSTEM**

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**Age range:** Birth to 3 years

**Purpose:** To identify and assess developmental delays in young children and to design early intervention programs

**Publication Dates:** 1986

**Publisher:** DLM Teaching Resources

One DLM Park

Allen, TX 75002

**Description:** This is an expanded and updated version of the Birth to Three Developmental Scale. The kit consists of three spiral bound notebooks: 1) the manual for the Birth to Three Screening Test of Learning and Language Development; 2) the Birth to Three Checklist of Learning and Language Behavior; and 3) the Intervention Manual: A Parent-Teacher Interaction Program.

The Screening Test consists of a 4-page record form. The 85 test items are divided into five areas: Language Comprehension, Language Expression, Avenues to Learning (cognitive and perceptual-motor items), Social-Personal Development, and Motor Development.

The Checklist consists of an 11-page record form. The 240 test items are divided equally between these same five areas, with 48 items in each domain. Each 6-month age range has six items per developmental area.

The items for the Screening Test and Checklist were selected from existing infant assessment scales. The test materials are not provided, but a list of needed items is presented in the manuals. The manuals also describe the administration procedures and criteria for scoring the performance as “Pass,” “Emerging,” or “Fail.”

The Intervention Manual provides an introduction and basic overview for designing an intervention program. The focus is on developing a curriculum for cognitive and language skill development with little attention to social-emotional development or engaging parents. The reviewer (see reference below) found the manual to be too superficial to use as a curriculum package or for developing an intervention program and warned that paraprofessionals should not be misled into thinking that assessment and intervention is as simple and straightforward as the manual leads one to believe.

**Standardization:** Consisted of 357 children, ages 4 to 36 months, from the states of California, Tennessee, and Utah. The group was balanced for gender, and rural versus urban environment, and the manual states that an attempt was made to include children from varying ethnic and socioeconomic status but does not give any data on who was actually included. The normative tables were developed with data from the earlier standardization sample rather than the current one, but no reason is given. Furthermore, the instructions for using the norm tables are confusing and did not make sense to the reviewer.

**Reliability/Validity:** For the Screening Test, the manual does not provide enough information regarding reliability and validity to adequately address these issues. The reviewer mentioned the lack of standardized test materials as a limit to the ability to compare test results between individual children. No data was provided on validity studies. Similarly, the manual for the Checklist does not provide information on how the checklist was constructed or any reliability or validity data. There is no discussion of how to interpret scores.

**Utility:** This instrument is described as a 3-part set for screening, program planning, and monitoring progress of at-risk or delayed children. The reviewer raised concern regarding the inadequate information regarding standardization, reliability, and validity. Thus the Screening Test was not recommended as a norm-referenced test. The Checklist could have some use as a way to monitor a child’s progress in a program, but extreme caution should be taken not to interpret the child’s performance in a normative way (i.e., as delayed or not) until further validity studies have been done. The Intervention Manual is useful as a brief introduction or overview of the issues involved in designing an early intervention program, but many Where to Find More Information are needed to adequately address the complex needs of an early intervention program.

#### **References:**

Buros, O. (Ed.). (1992). *Mental Measurements Yearbook* (11th ed., pp.110–112). Lincoln, NE: Buros Institute of Mental Measurements.

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### **MINNESOTA CHILD DEVELOPMENT INVENTORY**

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**Age range:** 1–6 years

**Purpose:** Screening tool to determine developmental status

**Publication Dates:** 1968-1974

**Publisher:** Behavior Science Systems, Inc.

P.O. Box 1108

Minneapolis, MN 55440

**Description:** This scale is a 320-item parent-completed questionnaire. There are eight domains: general development, gross motor, fine motor, expressive language, comprehension-conceptual, situation comprehension, self help, and personal-social. There are separate forms according to age and gender. Caregivers are instructed to read each statement and check “yes” or “no” if it applies to their child. Respondents must have an eighth grade reading level to complete the questionnaire. It takes approximately 30–50 minutes to complete. This test is designed to supplement a parent interview when questions of developmental delay have been raised.

**Standardization:** Items were selected on the basis of how representative it was of developmental skills, how easily observed by mothers in real life situations, descriptive clarity, and age-discriminating power. The standardization sample consisted of 796 children from Bloomington, Minnesota. The ages ranged from 6 months to 6 years. The number of boys and girls were equivalent. The authors state that “the normative group should not be considered representative of white, preschool children in general” and “the norms should not be used for children from families of lower socioeconomic status or other ethnic backgrounds.”

**Reliability/Validity:** Limited information exists concerning reliability and validity. This test correlates well with other established measures of children’s abilities (e.g., Bayley, McCarthy, Cattell). The biggest concern was with the interpretation of the scores “percent below age level.”

**Utility:** One reviewer notes “The demographics suggest, and the authors concur, that this instrument is suited for use with white, middle-class, non-handicapped children from intact families of successfully employed fathers and unemployed mothers.” This instrument is meant to supplement a parental interview and should not be the only source of information about a child.

**References:**

Buros, O. (Ed.). (1985). *Mental Measurements Yearbook* (9th ed., pp. 991–992). Lincoln, NE: Buros Institute of Mental Measurements.

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**MINNESOTA INFANT DEVELOPMENT INVENTORY**

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**Age range:** 1–15 months

**Purpose:** Mother’s observations of her infant’s development

**Publication Dates:** 1977–1980

**Publisher:** Behavior Science Systems, Inc.

P.O. Box 1108

Minneapolis, MN 55440

**Description:** This instrument evolved out of the authors’ earlier work with the Minnesota Child Development Inventory (MCDI). Similar to the MCDI, the MIDI was designed to obtain a mother’s observations of her baby’s developmental functioning. It measures five domains: gross motor, fine motor, language, comprehension, and personal-social. The booklet contains 75 questions; there is one item for each month of age in each of five areas. There is no manual, and no scores are derived. The examiner determines developmental delay if the child’s performance falls below the behavior of infants 30% younger.

**Standardization:** The standardization for this instrument is based on the standardization of the parent MCDI. Since there were no infants younger than 6 months in the sample, the placement of items in the early months is unclear.

**Reliability/Validity:** No information is given for this age range for either the MCDI or the MIDI.

**Utility:** This scale is presented as a method for involving parents in examining the development of their infant. Reviewers note that no information is provided on the psychometric properties, the standardization is inadequate, and there is no guidance on the interpretation of delay.

**References:**

Buros, O. (Ed.). (1985). *Mental Measurements Yearbook* (9th ed., Vol. 2, pp. 995–996). Lincoln, NE: Buros Institute of Mental Measurements.

## APPENDIX D:

### National Early Childhood Technical Assistance Center Screening Instruments<sup>1</sup>

#### I. Multi-domain Screening Instruments That Can Be Completed By Families Or Other Care Givers

NAME OF INSTRUMENT	DESCRIPTION	AGE RANGE	SCORES	TIME FRAME	MAY BE ADMINISTERED BY
<b>Ages and Stages Questionnaire (ASQ) - 2nd Ed</b>	<p>The Ages &amp; Stages Questionnaire (ASQ) system is designed to be implemented in many settings &amp; can easily be tailored to fit the needs of many families. Clear drawings &amp; simple directions help parents indicate children’s skills in language, personal-social, fine &amp; gross motor, &amp; problem solving. The ASQ involves separate copy-able forms of 30 items for each age range (tied to well-child visit schedule). The measure can be used in mass mail-outs for child-find programs as a first-level screening tool to determine which children need further evaluation to determine their eligibility for early intervention or preschool services.</p> <p>The questionnaire can also be used to monitor the development of children at risk for disabilities or delays. Published in English, Spanish, French &amp; Korean, other translations are in development.</p> <p>A video is available that demonstrates completion of the questionnaire for two children. Their family is introduced &amp; guided through questionnaire completion by a home visitor. Viewers discover how to explain the ASQ screening process, redefine items to reflect a family’s values &amp; culture, create opportunities for child learning &amp; development, &amp; promote positive parent-child interaction.</p>	Birth to 60 months	<p>A 2 SD below the mean cut-off score is used for questionnaires at 4, 8, 12, 16, 24, 30, &amp; 36 months</p> <p>A 75 developmental quotient is the cut-off for questionnaires at 6, 10, 14, 18, 22, 27, &amp; 33 months.</p> <p>Scores provide guidance on which children to refer for diagnostic testing, which to provide with skill-building activities &amp; recommend to re-screen, &amp; which children simply to provide activities for.</p> <p><a href="http://www.nectac.org/topics/earlyid/Screeningcall/AgesandStages/sld001.htm">http://www.nectac.org/topics/earlyid/Screeningcall/AgesandStages/sld001.htm</a></p>	~ 15 - 20 minutes, less if parents complete independently (each questionnaire takes 10-20 minutes to complete, with 2-3 minutes to score)	Parents; home visitors; other providers; professionals score the questionnaires
<b>Child Development Inventories (CDI)</b>	Three separate instruments [the Infant Development Inventory (IDI), Early Child Development Inventory (ECDI), & the Preschool Development Inventory (PDI)] each with 60 yes-no descriptions. Items tap the better predictors of developmental status only. A 300-item assessment-level version may be useful in follow-up studies or sub-specialty clinics & produces age equivalent & cutoff scores in each domain.	33 - 72 months; IDI for 3-18 months; ECDI for 18-36 months; PDI for 36-60 months	The ECDI & the PDI produce a single cutoff tied to 1.5 standard deviations. The IDI provides cutoffs for each of five developmental domains & illustrates both significantly advanced & delayed development.	~ 10 minutes, less if parents complete independently	The CDIs can be mailed to families, completed in waiting rooms, administered by interview or by direct elicitation.

NAME OF INSTRUMENT	DESCRIPTION	AGE RANGE	SCORES	TIME FRAME	MAY BE ADMINISTERED BY
<b>The Ounce Scale</b>	<p>The Ounce Scale is an observational, functional assessment that can be used effectively with children living in poverty, children at risk or with disabilities, and children growing and developing typically.</p> <p>The Ounce Scale is organized around eight age levels and six areas of development: Personal Connections-How children show trust; Feelings about Self-How children express who they are; Relationships with Other Children-How children act around other children; Understanding and Communicating-How children understand and communicate; Exploration and Problem Solving-How children explore and figure things out; and Movement and Coordination-How children move their bodies and use their hands.</p>	Birth through 42 months—divided into 8 intervals	The Ounce Scale has a twofold purpose: (1) to provide guidelines and standards for observing and interpreting young children’s growth and behavior, and (2) to provide information that parents and care-givers can use in everyday interactions with their children.		It was designed to be used in Early Head Start programs, child care centers, Even Start programs, home visiting programs, and family child care homes.
<b>Parents’ Evaluations of Developmental Status (PEDS)</b>	This screening & surveillance tool provides decision support & both detects & addresses a wide range of developmental issues include behavioral & mental health problems. It promotes parent-provider collaboration & family-centered practice by relying on 10 carefully constructed questions eliciting parents’ concerns. PEDS identifies, using substantial evidence, when to refer, screen further or refer for additional screening, counsel, reassure, temporize, or monitor development, behavior, & academic progress. In English, Spanish, & Vietnamese with additional translations in development.	Birth to 8 years	High, moderate, & low risk for developmental & behavioral/mental health problems. A longitudinal score & interpretation form organized by the AAP’s well-visit schedule remains in the medical record. Identifies when to refer, provide a second screen, counsel, reassure, temporize, or monitor development, behavior, & academic progress.	~ 2 minutes, less if parents complete independently	Written at the 4th to 5th grade level, parents complete the measure while they wait for appointments.
<b>Temperament and Atypical Behavior Scale (screener)</b>	Screener consists of a 15-item, single-sheet form. Only children whose scores indicate a potential problem need to be assessed with the more extensive TABS Assessment Tool.	11 to 71 months	Identifies when more extensive assessment is needed.	5 minutes	Parents

## II. Multi-domain Screening Instruments To Be Completed By Assessment Team Members

NAME OF INSTRUMENT	DESCRIPTION	AGE RANGE	SCORES	TIME FRAME	MAY BE ADMINISTERED BY
<b>Brigance Screens</b>	Nine separate forms, ~ one for each 12-month age range, the Brigance Screens tap speech-language, motor, readiness & general knowledge, & for the youngest age group, social-emotional skills. All Screens use direct elicitation & observation except the Infant & Toddler Screen, which can be administered by parent report. All Screens are available in English & Spanish.	Birth to ~ 90 month	Cutoff, age equivalents, percentiles, & quotients in motor, language, & readiness at all age levels except Infant & Toddler, which provides scores for nonverbal & communication. Cutoff scores should identify at least 75% of the children who need further evaluation and 82% of those who do not. Overall scores generated at all age levels. The screens also provide criterion-referenced and norm-references scores and growth indicator scores to measure a child's progress.	~ 10 minutes/ screen	Widely used in educational settings & often administered by paraprofessionals (a video is available to facilitate learning the test). I/T screen can be done by parent report.
<b>Denver Developmental Screening Test II (DDST-II)</b>	The purpose of the DDST-II is to screen children or possible developmental problems, to confirm suspected problems with an objective measure, to monitor children at risk for developmental problems. Performance-based and parent report items are used to screen children's development in four areas of functioning: fine motor-adaptive, gross motor, personal-social, and language skills. There is also a testing behavior observation filled out by the test administrator. Spanish version is available.	From 1 month to 6 years of age	Child's exact age is calculated and marked on the score sheet. Scorer administers selected items based on where the age line intersects each functional area. The scorer can then determine if child's responses fall into or outside of the normal expected range of success on that item for the child's age. The number of items upon which the child scores below the expected age range determines whether the child is classified as within normal range, suspect, or delayed. Those with suspect scores are monitored by more frequent screening, while those with delayed scores are referred for further assessment.	10 to 20 minutes, on average.	Trained paraprofessionals and professionals administer the test.

NAME OF INSTRUMENT	DESCRIPTION	AGE RANGE	SCORES	TIME FRAME	MAY BE ADMINISTERED BY
<b>Infant-Toddler and Family Instrument (ITFI)</b>	ITFI is allows family service providers to gather information and impressions about a child and family and their home environment that help providers decide whether further referrals and services are needed. The areas screened include gross and fine motor, social and emotional, language, coping, and self-help. Components include a Caregiver Interview (covering home and family life, child health and safety, and family issues and concerns), a Developmental Map, a post-visit Checklist for Evaluating Concern to alert providers to areas that are or may become problems and should be monitored, and a Plan for the Child and Family.	6–36 months	Extensively field tested.	Two 45- to 60-minute sessions to conduct the Caregiver Interview and the Developmental Map; one 45- to 6-minute session to share findings and develop a plan.	Family service providers. Can be used in home visiting or center-based programs by family service providers from different fields, with varying levels of education and experience.

<sup>1</sup>Sources utilized include <http://www.nectac.org>, <http://www.rehab.state.tx.us/Library/>, <http://www.dbpeds.org/articles/>, <http://www.earlyonmichigan.org/articles/7-03/DevScrTools7-03.htm>, <http://www.psychcorp.com>, <http://www.newassessment.org/public/assessments/SelectTool.cfm>, <http://testcollection.ets.org/cgi/swebmnu.exe?act=3&ini=TestColl>, <http://www.wa.gov/dshs/iteip/prog8.html>, <http://www.icyf.msu.edu/publicats/z5dissem/screenng.html>, <http://www.agsnet.com/>, <http://www.brookespublishing.com/store/books/fenson-cdi/index.htm>, <http://www.pbrookes.com/store/books/wetherby-csbsdpc/checklist.htm>, <http://www.pbrookes.com/tools/aeps/index.htm>, <http://www.agsnet.com/>, <http://www.pearsonearlylearning.com/OunceScale.htm>, Crais, E. (handout from 12/12-14/01 DE workshop): Assessment and intervention focused on communication skills of children birth to five; McLean, M., Wolery, M., & Bailey, D.B., Jr. (2004). *Assessing Infants and Preschoolers with Special Needs* (3rd ed.). Upper Saddle River, NJ: Pearson Publishers.

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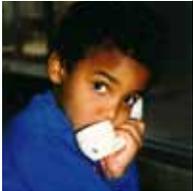
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# More Than Baby Talk



**10 Ways to  
Promote the  
Language and  
Communication  
Skills of Infants  
and Toddlers**

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and  
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# Why Promote the Language Development and Communication Skills of Infants and Toddlers?

EARLY LANGUAGE AND COMMUNICATION SKILLS are crucial for children's success in school and beyond. Language and communication skills include the ability to understand others (i.e., receptive language) and express oneself (i.e., expressive language) using words, gestures, or facial expressions. Children who develop strong language and communication skills are more likely to arrive at school ready to learn.<sup>1</sup> They also are less likely to have difficulties learning to read and are more likely to have higher levels of achievement in school.<sup>2</sup>



During the first years of life, children's brains are developing rapidly and laying the foundation for learning. The interactions that children have with adults influence how children develop and learn.<sup>3</sup> As a result, early childhood educators have a prime opportunity to provide children with interactions that can support children's growth and development, particularly their language and communication skills.

As past research shows, when teachers provide children with higher levels of language stimulation during the first years of life, children have better language skills.<sup>4,5</sup> When teachers ask children questions, respond to their vocalizations, and engage in other positive talk, children learn and use more words. A study found that one third of the language interactions between teachers and children were the type that support children's language development, while the other two-thirds included less complex language such as directions, general praise, and rhetorical questions.<sup>6</sup> Promoting more high-quality language interactions between children and adults provides children with the kinds of experiences that can foster their growth in language and communication.

This guide describes 10 practices that early childhood educators can use to support the development of language and communication skills of infants and toddlers. Because research supports the importance of adult-child interactions for infants and toddlers,<sup>5</sup> the practices are designed to be done one-on-one or in small groups. Each practice draws upon the types of interactions that research suggests promotes language and communication skills. These interactions include:

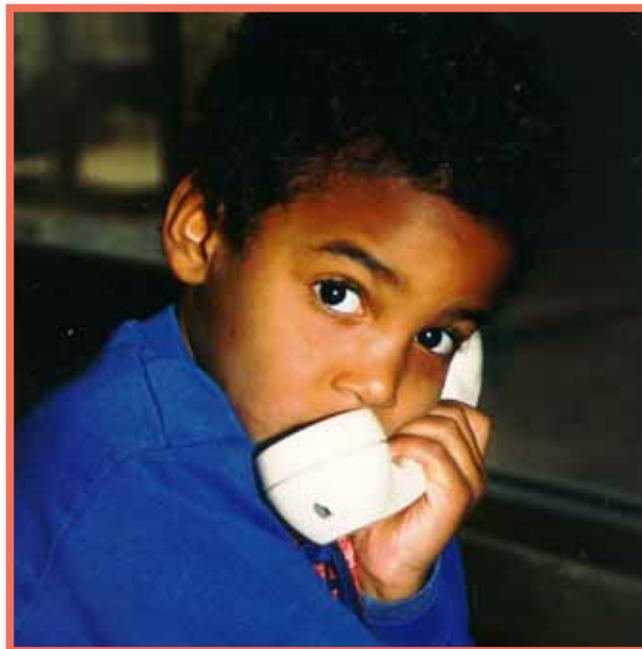
- Responding to children's vocalizations and speech
- Engaging in joint attention with children
- Eliciting conversations with children
- Talking with children more
- Using complex grammar and rich vocabulary
- Providing children with more information about objects, emotions, or events.

These interactions benefit children from a variety of language and cultural backgrounds, including children who are dual language learners. Children who are dual language learners may sometimes feel socially isolated and have difficulty communicating their wants and needs.<sup>7</sup> Educators may find the practices presented in this guide useful for helping dual language learners feel more socially connected and communicate better. Educators interested in learning more about supporting dual language learners will find additional information in the resources presented at the end of the guide.

# Overview of 10 Practices to Promote Language and Communication Skills of Infants and Toddlers

Practice	Description
1. Get Chatty	Engaging in conversations with children
2. Be a Commentator	Giving descriptions of objects, activities or events
3. Mix It Up	Using different types of words and grammar
4. Label It	Providing children with the names of objects or actions
5. Tune In	Engaging in activities or objects that interest children
6. Read Interactively	Using books to engage children's participation
7. Read It Again & Again & Again!	Reading books multiple times
8. Props, Please!	Introducing objects that spark conversations
9. Make Music	Engaging in musical activities
10. Sign It	Using gestures or simple signs with words

Each practice is presented with a description of the practice, research evidence that supports the use of the practice, and examples of how educators may use the practice with infants and toddlers. Although each practice is presented separately, many of the practices can be used in combination with each other. For example, educators can practice focusing on children's interests (Practice #5, "Tune In") while providing a running commentary (Practice #2, "Be a Commentator") and labeling the names of objects (Practice #4, "Label It").



At the end of the guide is a list of resources that may be useful for more information on supporting the language and communication skills of infants and

toddlers. These resources include books, articles, and websites that contain more detailed information on the practices presented in the guide.

The practices presented in this guide can be used when working with any child. Educators should keep in mind, however, that children develop at varying rates and differently depending upon a number of factors, such as personality and age. These factors and home language exposure affect children's development of language and communication skills. By using these practices early childhood educators can provide all children with the rich language exposure and opportunities children need to enhance their language and communication skills.

## Key Practices



# #1 Get Chatty

**C**HATTING WITH CHILDREN is a great way to give them lots of examples of how we use words to share ideas and get information. The words adults speak to children make up the language “input” that children need to learn new words and ideas. The more input adults give children, the more opportunities children have to learn how to express themselves and understand what others are saying.

## What Research Shows

- The more words adults speak to children, the larger children’s vocabulary.<sup>8,9</sup>
- When teachers promote back-and-forth conversations with children, children show greater complexity in their speech.<sup>10</sup>
- When teachers use high-quality conversations in the classroom including using uncommon words, asking children questions, and commenting on their responses, children show better language development.<sup>11,12</sup>

## Working with Infants and Toddlers

- Talk through or comment on routines (e.g., when washing hands, “We are washing our hands. We are making lots of big bubbles.”).
- Comment on children’s actions or objects and events (e.g., “Billy is drawing with the red crayon.”).



- Respond to infants’ nonverbal communication with words (e.g., “I see you reaching for the blocks. Would you like to play with the blocks?”).
- Ask questions and pause for answers. Provide the answers for preverbal children.
- Expand on children’s words (e.g., “I heard you say, ‘Cheese.’ Would you like to eat more cheese?”).

**C**OMMENTING ON ACTIONS OR EVENTS for children is a great way to give children examples of how to use language in everyday routines and activities. Commenting involves an adult talking about what he or she is doing, seeing, or thinking about in the presence of the child. An adult may also describe what children are doing or seeing. This kind of talk provides children with examples of the kind of language that is used in everyday activities. Commenting on actions or events may also help children learn and understand which words go with which actions.

#2

Be a  
Commentator

## What Research Shows

- The more words that adults speak to children, the better language skills children develop.<sup>8,9</sup>
- The more that teachers model language for children, the more often children talk.<sup>12</sup>

## Working with Infants and Toddlers

- Give detailed descriptions of what you or the child is seeing or doing.
- Comment on daily routines like hand washing, eating, or diaper changing.
- Model language for children by commenting on objects or events.
- Talk while demonstrating the different ways an object may be used.



# Mix It Up #3

TALKING TO CHILDREN is one of the most important ways adults can help them learn to communicate and develop strong language skills. By talking with them, adults provide children with language “input” that children can then use as models for how to talk. The more types of language input that children receive, the more their language skills can develop and grow over time. When adults “mix it up” by using lots of different types of words and grammar in their speech to children, children benefit by learning to use more complex and varied language.

## What Research Shows

- Repeated and varied exposure to unfamiliar words, along with meaningful contexts (e.g., pictures, verbal explanations) helps children learn new words.<sup>13</sup>
- Children whose teachers speak with more complex sentence structures have better understanding of complex, multi-clause sentences.<sup>14</sup>
- Using words from a child’s home language may help children to learn words in English.<sup>15</sup>

## Working with Infants and Toddlers

- During playtime or mealtimes, introduce new vocabulary by using rare or uncommon words (e.g., “I have a big *appetite*. I am eating a lot of food today!”).
- Repeat unfamiliar words in different contexts and on different occasions.
- Give children verbal explanations for unfamiliar words.



- Use sentences that have multiple clauses when talking with children (e.g., “Can you put the blue ball in the box under the table?”).
- If possible, incorporate words from children’s home languages into the daily routines (e.g., when counting the number of children at the table, “We have 1, 2, 3, 4, 5 friends today. Let’s count in Spanish. Uno, dos, tres, cuatro, cinco!”).

LABELING AN OBJECT OR ACTIVITY is one way of helping children learn the names of objects and actions in their world. When children hear adults use labels for objects or actions, they have an opportunity to learn about how words are used and may be more likely to use the same words when trying to communicate with others. Adults can help children learn the names of objects or activities by focusing on one object or activity at a time.

#4

# Label It

## What Research Shows

- When an adult labels or comments on an object upon which a child is focused, the child is more likely to develop a larger vocabulary.<sup>16</sup>
- When an adult and child are engaged in joint attention, or focused together on one object, and the adult says the name of the object, children are more likely to learn the word for that object.<sup>17</sup>
- Gesturing toward or looking at an object while saying the object's name helps children learn the name of the object.<sup>18</sup>

## Working with Infants and Toddlers

- Use descriptors to help children learn the names of different colors, shapes and sizes (e.g., “The blue car is bigger and faster than the yellow car.”).
- Point to or gaze at an object while saying the name.
- Say the names of familiar and new objects or activities.



# #5 Tune In

CHILDREN ARE OFTEN CURIOUS about the world around them. Teachers can make the most of this natural curiosity by engaging children in conversations about the objects or activities that have captured their attention. By tuning in and talking to children about whatever is holding their attention, adults have an opportunity to support children's language development by responding to their interests. Teachers can use these moments to support children's language by initiating high-quality conversations that include rich vocabulary, give children information, or ask children to provide information.

## What Research Shows

- Children are more likely to learn the names for objects in which they are interested than for objects of less interest.<sup>17</sup>
- Children whose parents talk about what the child is focused on have more advanced vocabularies than children whose parents try to redirect children's attention.<sup>19</sup>

## Working with Infants and Toddlers

- Notice on what the child is focused and ask open-ended questions like "What ...?", "Why...?" and "How...?" Pause for a response. Provide the answers for preverbal children.
- Provide information about the object or activity the child is focused on by commenting or describing the object or activity.



- Introduce the child to new words related to the object of his or her focus. Explain the meaning of the new word.
- If possible, provide a demonstration of the different ways the object the child is focusing on may be used (e.g., "You're rolling the blue ball. Let's see if we can bounce the ball too.").

**R**EADING BOOKS TO CHILDREN is one of the most effective ways to provide children with opportunities to develop their language skills. Books often contain words that children may not commonly hear in everyday conversations, along with pictures that help illustrate their meanings. Adults can use books to start discussions with children about the stories and pictures presented and connect the stories and pictures to children's lives.

The opportunities for helping children develop their language skills with books are greatest when adults help children to become engaged by: 1) encouraging children's participation in the story, 2) expanding on children's responses, and 3) giving feedback. By interacting with children in these ways, adults give children a chance to practice listening and speaking skills that foster language development.

## #6 Read Interactively

### What Research Shows

- When adults read to children by asking complex questions, expanding on children's responses and providing encouragement, children's expressive language develops faster than when adults read in less interactive ways.<sup>20</sup>
- Children learn more vocabulary when teachers involve them in discussions about books.<sup>21</sup>
- The more discussions children and teachers have about the reasons for actions or events in a story, the higher children's vocabulary scores.<sup>22</sup>



### Working with Infants and Toddlers

- Point to and label objects or actions in the book.
- Use an expressive, animated voice when reading. If appropriate, use voices for the characters and imitate sounds or facial expressions presented in the book.
- Talk about familiar subjects like family life, faces, food, and toys.
- Ask open-ended questions (“Who”, “What”, “When”, “Where”, “Why”, and “How” questions). For preverbal infants or toddlers, pause after asking the question. When appropriate, provide the answer.
- For new words, say the word to the child and ask him/her to repeat it.
- Define new words or provide synonyms for new words.
- Expand and rephrase children's responses to questions.
- Make connections between the book and the child's life (e.g., when reading a book that has a picture of a dog, “You have a dog that's brown just like this one. What kinds of things does your dog like to do?”).
- At the end of the book, recap the story, repeating any new words or ideas.

# #7 Read It Again & Again & Again

**S**HARING PICTURE STORYBOOKS WITH CHILDREN is one way to help them to learn new words. Some of these books will become favorites that children will ask for again and again. Re-reading the same book multiple times helps children to learn new words.

When an adult reads a story to a child for the first time, children are faced with many tasks that may make paying attention to new words difficult. They may need to focus on the plot, setting, characters and so forth. The second time a child hears a story they are more familiar with it and can begin to predict what is going to happen. After hearing a story many times, children can pay less attention to the other parts of the story and can focus attention on other details, like learning new words.

## What Research Shows

- The more often adults read to children, the better children's language skills.<sup>23</sup>
- One encounter with a new word is not enough to support word learning. Children often need to hear words many times before learning them.<sup>24</sup>
- Children learn more new words if a story is read to them multiple times than if several stories are read to them only once.<sup>25</sup>

## Working with Infants and Toddlers

- If time permits, after reading a book to a child, ask if she or he would like you to read it again. If "yes," read the book again!



- Each time you read a book, draw children's attention to different words, details, pictures, or actions in the book.
- With each reading of a book, ask different open-ended questions ("Who", "What", "When", "Where", "Why", and "How" questions). Pause after asking the question. When appropriate, provide the answer.

**T**OYS ARE THE TOOLS of children’s work. Yet certain toys, and other materials, can also be helpful in providing children with opportunities to practice their communication skills. By choosing materials that can encourage children to talk or listen to an adult or a peer, teachers can supply children with “props” to help support children’s language development. These props are objects that may stimulate conversations and include old phones, cell phones, puppets, dolls, wordless books, familiar books, pictures, play dough, and felt board cutouts.

# #8 Props, Please!

## What Research Shows

- The more children use an object to represent another object (e.g., using a plastic banana as a telephone), the stronger their language skills are.<sup>26</sup>
- Dramatic play activities are often when the most complex language interactions occur between teachers and children.<sup>27</sup>
- When adults and toddlers talk about an object on which they are both focused, children develop better language skills.<sup>16</sup>

## Working with Infants and Toddlers

- When using a prop, ask children open-ended questions like “What...?”, “Why...?” and “How...?” Pause for a response. Provide the answers for preverbal infants and toddlers.
- Label props and provide explanations about their function or purpose.
- Use props to draw an infant’s attention to interacting (e.g., shake a rattle to get the infant’s attention, then draw it to your face, shaking. When the infant looks at your face, remove the rattle and begin a conversation).
- Use props to engage in pretend play.
- Introduce children to new vocabulary when possible.
- Talk about the different ways a prop may be used.



# #9 Make Music

**A**DULTS CAN HELP CHILDREN develop strong language skills by incorporating music into everyday routines and activities. Musical activities can help children develop an awareness of sounds that may help with phonological awareness, or awareness of sounds found in speech. Singing and listening to songs can give children an opportunity to practice using and listening to words. Musical activities may also enhance children's language development since they can provide an opportunity for dialogue between teachers and children.

## What Research Shows

- Musical activities are linked with improvements in children's communication skills.<sup>28</sup>
- Songs and musical activities have been shown to increase children's vocabulary.<sup>29</sup>
- Children with stronger musical skills are more likely to have greater phonological awareness.<sup>30</sup>



## Working with Infants and Toddlers

- Sing simple songs with gestures (e.g., “Twinkle, Twinkle, Little Star” and “The Wheels on the Bus”).
- Change the words of well-known songs to make new songs (e.g., sing “Happy snack time to you” at the beginning of snack time).
- When singing well-known songs, pause to let children fill in the blanks (e.g., “Twinkle, twinkle, little \_\_\_\_\_”).
- Use songs to tell stories. Try using props like puppets, photos or pictures.
- Have children act out parts of the song that involve body movements (e.g., “I’m a little teapot”).
- Create little songs to sing during transitions or routines (e.g., “Brush, brush, brush your teeth before work and play. Brush your teeth twice a day and keep the germs away.”).
- Sing songs in children's home languages.

LONG BEFORE CHILDREN SAY THEIR FIRST WORDS, they use their hands and bodies to let adults know what they want and need.

Children typically start using gestures between 8 and 12 months old. They often begin by pointing to things to get an adult's attention. Later, children use gestures as if they were words. For example, when a child flaps his or her arms, he or she may be communicating the idea "bird."

Because gestures are a natural way that children learn to communicate, teaching children signs for words can help them strengthen their language and communication skills. Using baby sign language, which is based on the American Sign Language, gives children and teachers a standard set of gestures that they can use in everyday interactions and routines to provide children with visual support for language. Using signs or gestures may allow children to communicate their needs and understand others before they can talk. Even after children begin talking, signs can be used along with speech to help strengthen their language and communication skills.

## #10 Sign It

### What Research Shows

- Children whose parents started using signs when the children were babies had better language skills when they were two and three years old than children whose parents did not use signs.<sup>31</sup>
- The more gestures toddlers know and use, the more vocabulary they know as preschoolers.<sup>32,33</sup>
- Toddlers who combine gestures with speech are more likely to use more complex sentences.<sup>34</sup>

### Working with Infants and Toddlers

- Start with simple signs for everyday needs (e.g., more, cup, milk).
- Demonstrate the sign while speaking the word.
- Repeat the word with the sign often.
- Use simple signs or gestures in finger plays and songs (e.g., "Twinkle, Twinkle Little Star").
- Guide children's hands when making a new sign or if the child needs assistance with the movements.





## Summary

This guide contains ten key practices that help early childhood educators enhance the language and communication development of infants and toddlers. Using these practices, early childhood educators can increase the amount and complexity of the language they speak to children, be more responsive to children's vocalizations and speech, and engage in more conversations with children. These practices can be adapted to working with children of different language and cultural backgrounds to support the language and communication development of all children.

By giving children a rich language environment in infancy and toddlerhood, early childhood educators can play an important role in supporting children's development. By providing children with multiple, varied opportunities to engage in language and communication, early childhood educators can help equip children with the skills they need to thrive in preschool and beyond.

# Resources

The following resources are listed to provide additional information related to the practices presented in this guide.

## Language Development

The *Zero to Three* organization has a range of resources geared toward promoting the early language and literacy of infants and toddlers. The resources may be found at: <http://www.zerotothree.org/child-development/early-language-literacy/tips-tools-early-lit-and-lang.html>

*Early Head Start* has a tip sheet on supporting infant and toddler language development. The tip sheet (Number 42) can be found at: <https://eclkc.ohs.acf.hhs.gov/hslc/tta-system/ehsnrc/Early%20Head%20Start/family-engagement/language-culture/EHS-Tip-Sheet-42.htm>

*Indicators of Individual Growth and Development for Infants and Toddlers (IGDI's)* are a set of measures designed and validated by the Juniper Gardens Children's Project for use by early childhood educators to monitor infant and toddler growth and progress. One of the IGDI's measures growth in children's early communication. Additional information can be found at: <http://www.igdi.ku.edu/index.htm>

*Strategies to Promote Communication and Language in Infants and Toddlers* (2009). This guide provides early childhood educators with information on how to promote communication skills in infants and toddlers. Published by the Juniper Gardens Children's Project, the guide can be found at: [http://www.igdi.ku.edu/interventions/Promoting\\_Communication\\_rev3-19-09.pdf](http://www.igdi.ku.edu/interventions/Promoting_Communication_rev3-19-09.pdf)

*My Toddler Talks: Strategies and Activities to Promote Your Child's Language Development* (2012, CreateSpace Independent Publishing Platform). This book by Kimberly Scanlon is geared toward parents, but has tips, techniques and activities that early childhood educators may find helpful when working with children 18–36 months old.

*Bridging the Vocabulary Gap: What Research Tells Us about Vocabulary Instruction in Early Childhood* (2010). This article written by Tanya Christ and X. Christine Wang and published by the National Association for the Education of Young Children gives early childhood educators information on how educators can help children learn new words. The article can be found at: <http://www.naeyc.org/files/yc/file/201007/ChristWangOnline.pdf>

## Sign Language

*Baby Signs: How to Talk with Your Baby before Your Baby Can Talk* (2009, 3RD edition, McGraw-Hill). This book by Linda Acredolo and Susan Goodwyn is a guide for teaching parents how to sign to their babies starting at 7 months old using the American Sign Language approach. Although the book is targeted to parents, early childhood educators may find it helpful for teaching young children the most common signs. The book includes ASL signs and “baby-friendly” alternatives.

*Sign Language With Babies: What Difference Does it Make?* (2010). This article written by Susan Kubic Barnes in the *Dimensions of Early Childhood* (volume 38, number 1) provides readers with background information on using sign language with babies and summarizes the research findings. The article can be found at: [http://sprechende-haende.de/cms/upload/pdf/Sign\\_Language\\_With\\_Babies\\_What\\_Difference\\_Does\\_It\\_Make\\_Susan\\_Kubic\\_Barnes\\_Volume\\_38\\_Issue\\_1.pdf](http://sprechende-haende.de/cms/upload/pdf/Sign_Language_With_Babies_What_Difference_Does_It_Make_Susan_Kubic_Barnes_Volume_38_Issue_1.pdf)

*Baby Signing 1-2-3: The Easy-to-Use Illustrated Guide for Every Stage and Every Age* (2007, Sourcebooks). This book by Nancy Cadjan describes how to use signs with infants and toddlers and includes a baby sign language dictionary.

## Music Activities

The *eXtension Alliance for Better Child Care* has a list of favorite children's rhymes, finger plays and songs that early childhood educators can use with young children. The list can be found at: <http://campus.extension.org/mod/data/view.php?id=9296>

*Songs, Rhymes, and Finger Plays. Zero to Three* has compiled a list of songs, rhymes and finger plays in English and Spanish. The list can be found at: <http://www.zerotothree.org/early-care-education/early-language-literacy/songsengspan.pdf>

*Beyond Twinkle, Twinkle: Using Music with Infants and Toddlers* (2010). This article provides early childhood educators with information on how to use music activities with infants and toddlers in a child care setting. The article can be found at: <http://www.naeyc.org/files/yc/file/201003/ParlakianWeb0310.pdf>

## Book Reading Activities

*The eXtension Alliance for Better Child Care* has a list of book reading activities, or story stretching activities that educators can use to connect activities with children's favorite books. The activities can be found at: <http://campus.extension.org/mod/data/view.php?id=6759>

## Emergent Literacy

*Reading Rockets* is an organization dedicated to teaching children to read. The website contains articles and videos on topics related to teaching children how to read, including information on strengthening children's language skills. While the information on the website is primarily focused on school-age children, there is a section of the website devoted to young children and early childhood educators. This information can be found at: [http://www.readingrockets.org/atoz/preschool\\_child\\_care/](http://www.readingrockets.org/atoz/preschool_child_care/)

## General Early Childhood Education Practices

*Teaching Our Youngest: A Guide for Preschool Teachers and Child Care and Family Providers* (2002). This guide provides early childhood educators with research-based activities that can help children develop strong language skills, as well other emergent literacy skills. The guide was published by Early Childhood-Head Start Task Force of the U.S. Department of Education and the U.S. Department of Health and Human Services and can be found at: <http://www2.ed.gov/teachers/how/early/teachingouryoungest/index.html>

*Creating Language-Rich Preschool Classrooms and Environments* (2004). This article by Laura Justice provides information that early childhood educators may use to set up classrooms that offer children language opportunities. While the article is geared toward preschool-age children, professionals working with infants and toddlers may find the information helpful. Published by the Council for Exceptional Children, the article can be found at: <http://ici-bostonready-pd-2009-2010.wikispaces.umb.edu/file/view/Creating+Language+Rich+Preschool+Classroom+Environments.pdf>

## Dual Language Learners

*One Child, Two Languages: A Guide for Early Childhood Educators of Children Learning English as a Second Language* (2008; 2ND edition, Brookes Publishing Company). This book by Patton O. Tabors describes second language learning for young children and provides educators with suggestions for techniques to facilitate children's language learning.

*Selecting Culturally Appropriate Children's Books in Languages other than English and How to Use Bilingual Books.* The National Center on Cultural and Linguistic Responsiveness has published guides for educators on strategies they can use to support the language development of dual language learners. The guides can be found at: <https://eclkc.ohs.acf.hhs.gov/hslc/tta-system/cultural-linguistic/center/NCCLRQuickGuide.htm>

*Strategies for Supporting All Dual Language Learners.* This guide present different ways that educators can support the language development of dual language learners. The guide is available at: <https://eclkc.ohs.acf.hhs.gov/hslc/tta-system/cultural-linguistic/docs/dll-strategies.pdf>

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ACC Child Care and Development  
CDEC 1321, Infant and Toddlers  
ACCTech Exam  
2016-2017

**True/False: Select the best response. (2 pts.)**

1. A teacher using selective intervention provides positive reinforcement and praise in order to support play and exploration.

True

False

2. All infants have the same level of sensitivity to noise, meaning the optimum noise level is consistent among young children.

True

False

3. Neurons are the specialized nerve cells that are the basic building blocks of the brain.

True

False

4. Recent research and new thinking about the brain tells us that early interactions and experiences don't just create a context – they directly affect the way the brain develops.

True

False

5. We must teach reflexes, because we aren't born with them and yet they are the basis for all motor development.

True

False

6. Group size and adult-child ratios are 2 important factors in creating an environment that is safe for infants and toddlers.

True

False

7. Temperament is determined totally by a person's genetics; children inherit their personality from their parents.

True

False

8. A critical component of language development often involving imitation.

True

False

9. The most important factor in a learning environment is that it be developmentally appropriate for the age group.

True

False

10. Feelings and emotions in children develop and change over time.

True

False

11. It is good practice to adapt preschool-type activities, such as circle time, to use with infants and toddlers.

True

False

12. Being outdoors is too stimulating and too risky for young children; it is better to wait until the preschool years to introduce outdoor experiences.

True

False

**Multiple Choice: Select the best response to the prompt. (3 pts.)**

13. The “3-R’s” describe \_\_\_\_\_ with infants and toddlers.

- a. rowdy, rough & tumble, responsive play
- b. respectful, responsive, reciprocal interactions
- c. reciprocal, reflective, receptive caregiving

14. A responsive caregiver knows how to:

- a. Interact with the whole group while simultaneously attending to an individual child
- b. Time a diaper change for when a child is truly ready for this event
- c. Pay attention and reply contingently to a child’s initiations

15. When using the strategy of scaffolding to assist a child in problem-solving, it is important to:

- a. Provide praise for all efforts made
- b. Avoid expressing your feelings
- c. Time your assistance for when the child is becoming frustrated

16. When infant-toddler teachers design curriculum, they are:

- a. Setting up a sequence of activities requiring direct instruction
- b. Creating an all-inclusive plan for learning and development centered on connections and relationships
- c. Providing stimulation to help each child reach their optimum potential

17. What is “the essential activities of daily living” carried out in a group care program for infants and toddlers.
- Storytime
  - Curriculum
  - Caregiving routine
18. What is free play?
- A strategy for freeing up one’s “inner child”, used to help new mothers develop secure attachment with their infants
  - Play sessions during which caregivers have no curriculum plan and refrain from interacting with the children
  - Undirected but monitored play when children have choices to pursue their special interests without continual adult control or expected outcomes
19. What is “the problem of the match”?
- The difficulty of constructing a primary-caregiver system, given the factors of caregivers with varying personalities and abilities, and children with differing needs and interests
  - The challenge of figuring out how to set up an environment with experiences that are familiar enough so that children can understand them with their existing mental abilities, while at the same time just novel enough to provide interesting challenges – so that learning can happen
  - The dilemma of finding a fit between a program’s philosophy of care and education, and a family’s traditions and culture
20. “Happenings” are an important element of the infant-toddler curriculum. Why?
- Because these highly-structured activities ensure that all children will reach developmental milestones on time
  - Because these informal caregiving routines promote attachment
  - Because these events (whether simple or complex, carefully planned or spontaneous) provide children with opportunities to problem-solve and learn
21. What is attachment?
- A strategy used to lead children into their zone of proximal development
  - One of the “10 Principles Based on a Philosophy of Respect”
  - An enduring affectionate bond between a child and a person who cares that child, giving the child a feeling of safety or security
22. What is interactional synchrony?
- The first step in the process of continuity of care, initiated by the caregiver engaging in “3-R” interactions
  - A special form of communication between a baby and a caregiver which is like a sort of “emotional dance”
  - One of the three types of insecure attachment

23. When planning an environment that will foster visual skills in infants and toddlers, teachers should follow this rule:
- The more to look at the better
  - The bare minimum should be added
  - Observe and take cues from the children themselves
  - Do whatever feels right for the teacher
24. According to Vygotsky's theory of cognitive development, the ZONE OF PROXIMAL DEVELOPMENT:
- Describes where in the classroom teachers can best support intellectual learning
  - Describes the stage of learning during which peer interaction is absolutely critical
  - Describes the pattern of development that best ensures the increase of dendrite trees during the first two years of life
  - Describes the difference between what children can do on their own and what they can do with assistance or guidance from a more knowledgeable person
25. Piaget and Vygotsky shared a number of ideas concerning cognitive development. Which one listed below is NOT one of those shared beliefs?
- Cognitive development is based only on "nurture" (environment, experiences) and has nothing to do with "nature" (biology, genetics, heredity)
  - Language is significant for cognitive development to advance
  - Previous skills serve as a base for further learning – children acquire skills when they are ready
  - Young children need to play in order to learn
26. The role of parent is different from the role of professional caregiver. Professional caregivers need to:
- Be objective, thoughtful, and planful most of the time
  - React emotionally
  - Stay detached at all times
  - Work mostly from intuition
27. What is the key to adult relationships in infant-toddler care and education programs?
- Absolute objectivity
  - Complete detachment
  - Forgiveness
  - Respect

28. Why do parents and teachers have conferences?
- So that parents can test the teachers' knowledge
  - So that teachers can judge and then educate the parents
  - To provide self-therapy
  - To develop their partnership, gain insights, and set long-range goals
29. During pretend play, children:
- achieve trust and autonomy
  - demonstrate "fast mapping"
  - engage in symbolic thinking and use objects representationally
  - rarely enter the zone of proximal development
30. One prerequisite for promoting cognitive development is:
- attachment
  - daily practice sessions with flash cards
  - regular access to "smart toys"
  - "tummy time"
31. Which of the following describes the three temperament categories presented by Thomas and Chess?
- Avoidant; resistant; and secure
  - Easy; slow-to-warm; and difficult
  - Prosocial; antisocial; and ambivalent
  - Withdrawn; sociable; and hard-to-learn
32. Helping infants and toddlers cope with anger can be difficult. Which of the strategies listed below would probably make things WORSE instead of better?
- Examining how you deal with anger yourself
  - Making light of the children's feelings
  - Preventing possible frustrations
  - Providing for children's physical needs
33. Limits \_\_\_\_\_.
- are really quite unnecessary in a well-run program
  - give teachers control over naughty children
  - must be memorized by the children
  - provide a sense of security

**Adult Relations & Social Environment. Read carefully. Match correct term (letter) to the definition (number) by filling in the blank. (5 pts.)**

- \_\_\_D\_\_\_ 1. An infant observes her caregiver's facial expression and/or body language before responding positively or negatively to a new situation.
- \_\_\_J\_\_\_ 2. The child's judgment or assessment of his own worth
- \_\_\_E\_\_\_ 3. A pattern that occurs when caregivers disapprove of parents and feel that they want to rescue the child from his/her family
- \_\_\_F\_\_\_ 4. Actions that benefit another person without rewards for oneself
- \_\_\_B\_\_\_ 5. How a child perceives of himself or herself as a boy or a girl
- \_\_\_H\_\_\_ 6. Caregiver Stage where caregivers see parents as clients and work to change and educate the parents
- \_\_\_G\_\_\_ 7. A child learns, over time, how he is expected to behave according to his culture's standards.
- \_\_\_A\_\_\_ 8. A parent and a teacher engage in a conversation using non-defensive language and listening to each other's viewpoints in order to communicate openly and solve problems.
- \_\_\_C\_\_\_ 9. Caregiver Stage when caregivers see themselves as a supporting role for the parents and work together in a mutual relationship.
- \_\_\_I\_\_\_ 10. An outside service that has been identified as a source of assistance to meet a particular family's (or child's) needs

- A. Dialogue
- B. Gender identity
- C. Caregiver as Partner
- D. Social referencing
- E. Savior complex

- F. Pro-social behavior
- G. Socialization
- H. Caregiver as Superior
- I. Referral
- J. Self-esteem

**Short answer: Please include enough detail to earn all possible points. (4 pts.)**

1. Describe 3 components within an individualized family service plan (IFSP)?

Must include two or three of the following:

The child's present level of physical, cognitive, communication, emotional/social, and adaptive development.

Family information (with consent) including resources, priorities, and concerns.

Major outcomes expected to be achieved.

Specific early intervention services necessary.

The natural environments to provide early intervention services.

A written projected timeline.

The steps to be taken to support the child's transitions.

2. Name the three policies that need to be in place in order to make a caregiving curriculum.

(Primary Caregiving system, Consistency, Continuity of Care)

**ACCTech**  
**CDEC 1321 Infant Toddler**  
**SAMPLE\_Lab Observation Three**  
*Perception*  
*Chapter 6*  
(20 points)

**1. Required information:**

- Your Name:
- Date and starting & ending times of observations (2 hours total):
- Location of Observation:
- Number of children and teachers present

**2. One or two-page typed reflection paper** of what you observed during this two-hour observation period that aligns with the Focus Areas. Include brief, objective examples to illustrate or explain your analysis. The Focus Areas for each observation set are aligned with the course content so your summary analysis should demonstrate/reflect your understanding of the course material (text, lectures, assignments). Please refer to the course materials to help guide your summary and to use the terminology that reflects course content.

**3. Focus Areas:**

As you observe:

- Be **OBJECTIVE** in this section – state the facts, describe, get detailed and specific. Write down exactly what you see and what you hear. Focus!
- You might want to spend some time observing the physical environment (indoors & outdoors). Look at how the room/space is arranged and used. Look at what equipment, materials, and toys are provided, and how they are used.
- You might want to spend time observing one child at a time. What is the child doing?
- You might want to spend time observing at least one teacher-child interaction. What does the teacher do and say? What does the child do and say?

As you reflect, think about what you saw and heard as you observed. Think about these questions:

- What is going on with children's perceptual development in this group?
- How does the environment foster children's perceptual development?
- How are adults supporting children's perceptual development?
- If you could make changes to improve things in this classroom in terms of supporting PERCEPTUAL DEVELOPMENT, what would you do?
- Feel free to express your thoughts and opinions, analyze and evaluate HERE.
- Tell the story of your observation experience! What did you learn? How did it feel?
- Here in the reflection paper, you get to be **SUBJECTIVE**. Now, GO BACK & CHECK – **do you have any subjective comments in your observation record???** If so, be sure to identify them somehow, so I know that you understand the difference between an OBJECTIVE OBSERVATION RECORD and a SUBJECTIVE REFLECTION PAPER.

**ACCTech**  
**CDEC 1321 Infant Toddler**  
**SAMPLE\_Lab Observation Five**  
*Cognition and Language*  
*Chapters 8 & 9*  
(20 points)

**1. Required information:**

- Your Name:
- Date and starting & ending times of observations (2 hours total):
- Location of Observation:
- Number of children and teachers present

**2. Two-page typed reflection paper** of what you observed during this two-hour observation period that aligns with the Focus Areas. Include brief, objective examples to illustrate or explain your analysis. The Focus Areas for each observation set are aligned with the course content so your summary analysis should demonstrate/reflect your understanding of the course material (text, lectures, assignments). Please refer to the course materials to help guide your summary and to use the terminology that reflects course content.

**3. Focus Areas:**

- Chose an observation focus. Take a look at the “research questions” posed here. Choose **ONE**, and then as you observe, gather observational data that will help you to discover an answer to the question – and then write about it in your reflection paper.
  - Play and Cognitive Development: What does and how does play contribute to a child’s cognitive development? How do you know this?
  - Piaget and Vygotsky: Which theory of cognitive development do you think does a better job of explaining the process of cognitive development? (You must choose one or the other 😊)
  - Principle 8/Problems as Learning Opportunities: How are teachers putting this principle into action? How are children approaching exploration and problem-solving? What is being learned – by the children and by the adults?
  - The Link between Cognition and Language: What does language allow a child to do? How do you know this?
  - Principle 3/Learning and Teaching about Communication: How are teachers putting this principle into action? What language and communication patterns do you see and hear? How are children learning to communicate? How do you know?
  - Cultural Differences, Bilingualism, and Dual Language Learners: Are cultural differences, bilingualism, and dual language learning valued, welcomed and supported in the group you are observing? How do you know?

For your OBJECTIVE OBSERVATION RECORD:

- Think about SPECIFICS – watch a specific child; observe a specific teacher; observe during specific events or in a specific part of the environment.

- FOCUS. If you try to write down everything that is happening, your observation record may not be very helpful. Watch and listen; then write down what you saw and heard. Then do that again and again, until your observation time is completed.
- You can observe the children; the adults; interactions between people; events; the environment; routines; play – what else can you observe? What will help you collect the information you need to answer your chosen question?

For your SUBJECTIVE REFLECTION PAPER, think about these questions:

- Answer your research question. What conclusions did you arrive at? How did you get there? What did you figure out? What did you learn?
- Tell the story of your observation experience! Express your thoughts and feelings and opinions; analyze, evaluate, assess. You must back up your conclusion and interpretations with you observational data.
- Here in the reflection paper, you get to be **SUBJECTIVE**. Now, GO BACK & CHECK – **do you have any subjective comments in your observation record?** If so, be sure to identify them somehow, so I know that you understand the difference between an OBJECTIVE OBSERVATION RECORD and a SUBJECTIVE REFLECTION PAPER.

ACCTech  
CDEC 1321 Infant Toddler  
SAMPLE\_ Final Reflection Paper  
2016-17

**Goal: To reflect upon all the information the student has learned throughout the course by demonstrating the knowledge of Infant and Toddler interactions, development, curriculum and environment. (40 points)**

**Assignment Directions:**

- The Final Reflection Paper will consist of 5 components, or parts: the Coversheet and Observation Record(s) will be the same as the six prior Lab Observations. (**Note:** There should be two different Observation Records, from Lab 7 & 8)
- The other three components of the Final Reflection Paper are as follows:

Section One

Discuss what you have gained from your Lab experience. Was it beneficial to see workers in action? Did you learn what to do or what not to do? Provide specific examples of times you saw the course material being displayed within your observation classroom. Do you wish your Lab experience was different?

Section Two

Chose a topic covered throughout the course (ex. social/emotional development) that you feel you grew in your knowledge and/or ability. Discuss

what you learned and how this new knowledge will translate into your teaching. How can you use this knowledge with children, with parents, or with your family? Will your language be different? Will your actions look differently? Again, give examples from the book, outside sources, or your observations that help to illustrate your point.

### Section Three

Finally, describe how you wish to grow as a teacher going forward. Is there more information you wish you had? A topic you wish to learn more about? What might be possible ways you can continue your learning about infants and toddlers, or specific teaching skills?

- Your paper must be a minimum of Six (6) Pages in length not including the Coversheet or Observation Records.
- There must be a minimum of four (4) specific examples used in the paper from your classroom observations
- There must be a minimum of two (2) references from the textbook or other reading material used within the paper.
- There must be a minimum of one (1) outside reference used to help further your paper.
- Please include both an introduction and concluding paragraph.

**Note:** You may turn your paper in early if you would like teacher feedback. All late assignments will automatically get 10 percentage points off.

<b>Week</b>	<b>Overview and Assignments</b>	<b>Due dates</b>
Week One 1/17 Orientation	Class introductions and overview Complete criminal history and affidavits  <b>Readings:</b> Syllabus and all course handouts	
Week Two 1/24  Prenatal Development and Birth  Observation Techniques	<b>Topic overview:</b> Summarize prenatal development by outlining stages and major milestones, indentifying possible environmental factors and describe good prenatal care.  <b>Readings:</b> (read before you come to class on 1/24) Prenatal Development and Birth Handout Observation Techniques Handout	
Week Three 1/31  Infant-Toddler Principles and Education	<b>Topic overview:</b> (ch. 1) Relationships and interactions with infant-toddlers, ten principles of respect, and curriculum. (ch. 2) Components of Infant-Toddler Education and what it is not; Infant-toddler education and school readiness.  <b>Readings:</b> Chapter 1: Principles, Practice and Curriculum Chapter 2: Infant-Toddler Education	<b>Beginning of            Year Paper            Due</b>
Week Four 2/7  Caregiver and Play as Infant- Toddler Curriculum  Week Four con't.	<b>Topic overview:</b> (ch. 3) Infant-Toddler Curriculum focusing on planning for learning, developing attachments, caregiving routines, and assessment (ch. 4) Focus on play and the roles adults and environmental factors take part in initiating and sustaining play.  <b>Readings:</b> Chapter 3: Caregiving as Curriculum Chapter 4: Play and Exploration as Curriculum  <b>Lab begins</b> (only if you have turned in your Affidavit and your Criminal History record is cleared.) Remember to have the director of your observation site sign the <b><i>"Confirmation of Agreement"</i></b> form,	

	even if you work at the location of your observations.	
Week Five 2/14  Attachment and Perception	<p><b>Topic overview:</b>          (ch. 5) Brain research on attachment, milestones, measuring attachment, and importance of early intervention.          (ch. 6) Discuss how infants and toddlers develop perception such as hearing, smell, touch, sight, etc.; Planning multisensory experiences.          Review/Study for Test One</p> <p><b>Readings:</b>          Chapter 5: Attachment          Chapter 6: Perception  <u><b>Bring to class signed "Confirmation of Agreement"</b></u></p>	<p><b>Observation 1 Due</b></p> <p>Turn in signed "<b>Confirmation of Agreement</b>" for lab placement</p>
Week Six 2/21	<b>TEST ONE</b> (chapters 1, 2, 3, 4, 5, 6, Prenatal Development)	<b>TEST ONE</b>
Week Seven 2/28  Motor Skills	<p><b>Topic overview:</b>          (ch. 7) Discuss the progression of physical growth and motor skills in young children including brain growth, large and fine motor skills, and reflexes.</p> <p><b>Readings:</b>          Chapter 7: Motor Skills</p>	<b>Observation 2 Due</b>
Week Eight 3/7  Cognition	<p><b>Topic overview:</b>          (ch. 8) Discuss the importance of experience in cognitive development and go through the key contributors to our understanding of cognition and what impact they played.          Begin In-class group project.</p> <p><b>Readings:</b>          Chapter 8: Cognition</p>	<b>Observation 3 Due</b>
3/14	<b>Spring Break- No Class</b>	
Week Nine 3/21	<p><b>Topic Overview:</b>          (ch.12) Developmental-behavioral approach; negative and positive reinforcement; observation</p>	<b>Observation 4 Due</b>

Language and Emotions	strategies; task-analysis; prompting and shaping behaviors.  <b>Readings:</b> Chapter 9: Language Chapter 10: Emotions	
Week Ten 3/28  Social Skills	<b>Topic overview:</b> (ch. 11) We will discuss early social behaviors, stages of psychosocial development, guidance and discipline and teaching prosocial skills.  <b>Readings:</b> Chapter 11. Social Skills	
Week Eleven 4/4  The Physical Environment	<b>Topic overview:</b> (ch. 12) How to create a safe, healthy, developmentally appropriate physical environment both indoors and outdoors for infants and toddlers to support learning and development. Field Trip!  <b>Readings:</b> Chapter 12: The Physical Environment Appendix A	<b>Observation 5 Due</b>
Week Twelve 4/11  The Social Environment	<b>Topic overview:</b> (ch. 13) We will cover aspects of the social environment including identity formation, attachment, self-image, gender identity, discipline and modeling self-esteem. Time to work on In-Class Group Project  <b>Readings:</b> Chapter 13: The Social Environment	<b>Observation 6 Due</b>
Week Thirteen 4/18  Adult Relations in Infant-Toddler Care	<b>Topic overview:</b> (ch. 14) Discuss the parent-caregiver relations, parent education, and caregiver relations within an infant-toddler education program.  <b>Readings:</b> Chapter 14: Adult Relations in Infant-Toddler Care and Education Programs	

<p>Week Fourteen 4/25</p> <p>Group Project work</p>	<p><b>Topic overview:</b> In-Class time to work on Group Project.</p> <p><b>Readings:</b> Find one article related to Final Paper or Group Project and summarize article to the class. (Please make sure article is from a dependable source)</p>	<p><b>Final Paper Due</b></p>
<p>Week Fifteen 5/2</p> <p>Review</p>	<p><b>Topic overview:</b> Review/Study for Final exam Group Project Presentations</p>	<p>Turn in Observation Timesheets</p> <p><b>Group Project Presentations Due</b></p>
<p>Week Sixteen 5/9</p>	<p><b>FINAL EXAM (chapters 7, 8, 9, 10, 11, 12, 13, 14)</b>  <b>Final Day to turn in missing assignments and work</b></p>	<p><b>FINAL exam</b></p>

**THIS CALENDAR IS SUBJECT TO MODIFICATION:** Any changes will be announced in class and posted on the course Blackboard site.