SIOP (Sheltered Instruction Observation Protocol) Practice – Science

Framework using various methods to support English Language Learners’ academic English development and acquisition of science concepts and objectives.

Content Objective: Students will be able to produce a visual representation of each of the three types of cell. Language Objective: Students will be able to orally describe three types of cells to a partner.

Add your own ideas about each section:

Emphasis on Key Vocabulary: Select five vocabulary words per lesson and provide activities for students to interact with vocabulary; eg: Four corners.

Cooperative Learning: Have students work in groups or partners to read passages, list, compare and contrast, writing sentences using the word in notebooks. Emphasize technical words and general academic language. Eg: summarize and paraphrase.

Frequent Opportunities for Interaction: Students use vocabulary in authentic situations, interact with each other, and experience hands-on activities that turn abstract concepts into concrete concepts while having students move around the room and become engaged in the material.

Review and Assessment: Frequent formative assessments allow teachers to adjust instructional plan for individuals or groups.

Students and teacher confirm: Were content and language concepts and objectives met?

How will I use these strategies in class this week for all science students?

How will these strategies work for other academic areas?