

Appendix A – 5E Lesson Plan Outline

Lesson Title and Grade Level: Sweet Solutions (3rd Grade)

1. Links to Standards (one from each category)

A. TEKS* **Content** Standard

3.5. Matter and Energy: The students know that matter has measurable physical properties and those properties determine how matter is classified, changed, and used. The student is expected to:

D. Explore and recognize that a mixture is created when two materials are combined such as gravel and sand, and metal and plastic paper clips.

B. TEKS **Process skills** Standard

3.2. The student uses scientific inquiry methods during laboratory and outdoor investigations. The student is expected to:

B. Collect data by observing and measuring using the metric system and recognize differences between observed and measure data.

C. **English Language Proficiency** Standard (ELPS)

1. C. [in the Explore phase]. Use strategies such as concept mapping, drawing, memorizing, comparing, contrast, and reviewing to acquire basic and grade-level vocabulary.

2. Formulate at least two learning objectives—include one language objective

A. *The student will be able to identify the type of mixture formed in each *licuado* recipe.*

B. *[In the Explore phase and using a concept map] the student will be able to use the Tier 3 terminology on the differences between mixtures and solutions.*

3. Identify three **Tier 3/Brick** terms the students will master by the end of the lesson

- Solution (*Solución*)
- Homogeneous (*Homogéneo/a*)
- Heterogeneous (*Heterogéneo/a*)

*Texas Essential Knowledge and Skills (TEKS)

4. Provide a brief description of the activity for each segment of your lesson, including the role that both student and teacher roles.

<i>Phase</i>	<i>What the student does</i>	<i>What the teacher/s does</i>
Engage	They will...	I will...
Explore	They will...	I will...
Explain	They will...	I will...
Elaborate	They will...	I will...
Evaluate	They will...	I will...