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 measured 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.

<table>
<thead>
<tr>
<th>Phase</th>
<th>What the student does</th>
<th>What the teacher/s does</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engage</td>
<td>They will…</td>
<td>I will…</td>
</tr>
<tr>
<td>Explore</td>
<td>They will…</td>
<td>I will…</td>
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<tr>
<td>Explain</td>
<td>They will…</td>
<td>I will…</td>
</tr>
<tr>
<td>Elaborate</td>
<td>They will…</td>
<td>I will…</td>
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<tr>
<td>Evaluate</td>
<td>They will…</td>
<td>I will…</td>
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