### Week of: March 31 – April 4

Note: Material covered in class takes precedence over these lesson plans. Lesson plans are subject to modification based on the students’ needs.

<table>
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<th>Day</th>
<th>Objectives:</th>
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| **Monday**   | • To calculate an acid dissociation constant from concentration and pH measurements  
• Arrange acids by strength according to their acid dissociation constants | 1) Complete the Weak Acids Notes               | Weak acid / Weak Base Problems are due Wed/Th     |
| **Tuesday**  | • To calculate a base dissociation constant from concentration and pH measurements  
• Arrange bases by strength according to their base dissociation constants | 1) Weak Base Notes                             | Weak acid / Weak Base Problems are due Wed/Th     |
| **Wednesday / Thursday** | • Explain how acid-base titration is used to calculate the concentration of an acid or base  
• Explain the concept of equivalence in neutralization reactions | 1) Indicator / Titration Notes and Calculations  
2) Titration Lab                                   | Titration Post Lab is Due Friday                 |
| **Friday**   | • Demonstrate with equations how buffers resist changes in pH                | 1) Quiz: pH Calculations of Strong and Weak Acids/Bases  
2) Buffers Notes                                   | Look over / study notes                          |