**ILTexas Dept of Sciences**

AP Biology Labs

ILTexas AP Bio Lab Schedule (AP College Board Lab Manual)

**Note**: The syllabus must list lab titles and brief descriptions including at least two labs from each big idea and must indicate how the lab experiences, collectively, provide students opportunities to apply all six science practices.

**AP Bio Lab Schedule**

**Pre-lab**: Safety Data Sheets (SDS)

| **1st Cycle** | **4th Cycle** |
|---|---|
| **Big Idea 2**<br>Unit 1 - Chemistry of Life (5-7 days)<br>**Lab 4:** Water Potential<br><br>**Big Idea 3**<br>Unit 2 - Cell Structure/Function (11-13 days)<br>**Lab 1:** Environmental Effects on Mitosis | **Big Idea 1**<br>Unit 7 - Natural Selection (20-23 days)<br>**Lab 3**: Understanding Evolutionary Relationships |
| **2nd Cycle** | **5th Cycle** |
| **Big Idea 4**<br>Unit 3 - Cellular Energetics (14-17 days)<br>**Lab 11**: Peroxidase Enzyme Activity<br><br>**Big Idea 3**<br>Unit 4 - Cell Cycle/Communication (9-11 days)<br>**Lab 9**: Cancer and Loss of Cell Cycle Control | **Big Idea 2**<br>Unit 8 - Ecology (20 days)<br>**Lab 2**: Photosynthesis in Leaf Disks |
| **3rd Cycle** | **6th Cycle** |
| **Big Idea 1**<br>Unit 5 - Heredity (9-11 days)<br>**Lab 6**: Artificial Selection<br><br>**Big Idea 4**<br>Unit 6 - Gene Expression/Regulation (18-21 days)<br>**Lab 12:** Fruit Fly Behavior | Study & Review for Examination<br>Test Prep<br>AP Examination |