**AP BIO**  **2023-2024**  **Tentative Schedule**

**(subject to be modified with changing school schedules)**

Textbook: Mader, S., Windelspecht, M. (2016). *Biology*, 12th ed., AP Edition. New York: McGraw-Hill Education.

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| Unit | Est. # Weeks  Tent. dates | Main Topics | Chapters | Labs\*\* |
| 7A | 2  8/7/23- 8/18/23 | Darwin  Natural Selection | 15 | Nat. Sel. Cards, Nat. Sel. Dots, Gizmos |
| 1 | 2.5  8/21/23-9/8/23 | Chem & Biochem | 2-3 | Proteins, Enzymes, Toothpickase |
| 2A | 2  9/11/23-9/22/23 | Cells Structure & Function | 4 | Microscopy |
| 2B | 2  9/25/23-10/13/23 | Cell Transport | 5 | Transport Lab |
| 3A | 2  10/16/23-10/27/23 | Cellular Energetics: Enzymes & Respiration | 6-8 | Enzymes Activity, Respiration |
| 3B | 2  10/30/23-11/14/23 | Cellular Energetics: Photosynthesis | 6-8 | Pigments, Photosynthesis, Transpiration |
| 6 | 3  11/15/23-12/15/23 | Gene Expression & Regulation | 12-14 | DNA Isolation, Bacteria Transformation, Gel Electrophoresis, PCR |
| 4A | 2  01/04/24-01/19/24 | Cell Communication | 9 (& additional notes) |  |
| 4B | 2  01/22/24-02/02/24 | Cell Cycle & Mitosis |  | Mitosis, Computer Activity |
| 5 | 2.5  2/5/24-2/29/24 | Heredity | 10, 11 | Chi Square Lab, Heredity |
| 7B | 2  3/4/24-3/15/24 | Evolution & Natural Selection | 15, 17-18 | Evidences of Evolution, Kingdoms & Adaptations, Hardy-Weinberg, Phylogeny |
| 8 | 3  3/18/24-4/5/24 | Ecology | 43-46 | Behavior, Dissolved Oxygen |
|  | 4/16/24-5/3/24 | Catch-up & Review |  |  |