

| Biology 1544 Schedule | |
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| | <u>Mader Introductory Biology, 7th Edition "Lab Packet in Bookstore.</u> Mader home page: www.mhhe.com/biosci/genbio/mader7 |
| | This is tentative. Changes may have to be made to meet class goals. |
| Note: | Pop quizzes may be expected over previous work and readings. |
| * | Represents assignment which will count as a grade. |
| Week of: | Schedule, Topics, Goals: |
| Aug. 25 | Introductions: Students, teacher, materials? Thinking about life. Writing about life. Turn in paragraph.* Video on Living Systems: Note taking pointers. Assignment: Read Chapter 1. Safety Video |
| Sept. 1 | Review characteristics of life and group work on scientific method. End of chapter questions in class. * Assignment: Read Chapter 2. |
| Sept. 8 | Organisms need both inorganic and organic compounds. Video on Basic Chemistry; worksheets. * Read Basic Chemistry Lab in packet before class. Recycling talk by Marcia Schoonert; Service Learning Intro. Video on Modern Marvel, Garbage * |
| Sept. 15 | Lab on Organic Chemistry. * Assignment: Read Chapter 3 and answer questions at end. Discuss organic compounds: structure, function, how to recognize. Read Chapter 4, The Cell. |
| Sept. 22 | Discuss Chapter 4, The Cell. Worksheet* Microscope Lab. * Read Microscope lab before class. Bring in pond water for examination under microscope. Read Chapter 5, Membrane Structure and Function. |
| Sept. 29 | Discuss the Cell Membrane, Chapter 5. Group work on Cell Membrane worksheet. Lab on Diffusion and Osmosis. Video on transport in cells. * Review the steps in writing a lab report. First Lab Report due Feb. 26th. Review for Test #1. |
| Oct. 6 | Test #1, Chs. 1- 5 Read Chapter 6, Metabolism, Energy, Enzymes. Discuss Chapter 6. Group work on Cell Energy Worksheets. If weather permits, trip to Tanyard Creek with worksheets. |
| Oct. 13 | Review Test #1. Finish discussing Chapter 6. Review worksheets. Read Chapter 7, Photosynthesis. Review Flow Chart on Photosynthesis. Photosynthesis Lab.* Second lab report due March 24th. Photosynthesis Worksheets by groups. * |
| Oct. 20 | Read Chapter 8, Cellular Respiration Flow Chart review. Worksheet. Videos. * Review for second test, Chapters 5 - 8. Test #2, Mar. 12th. |
| Oct. 27 | Read Chapter 9, Cell Division, Cellular Reproduction. Mitosis Lab in packet. * Worksheet on Mitosis. * Read Chapter 10, Meiosis and Sexual Reproduction. |
| Nov. 3 | Discuss process of Meiosis. Worksheet on Meiosis. * Read Chapter 11, Mendelian Patterns of Inheritance. |