

Biology 1544 Schedule	
	<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.