

General Syllabus for Biology 2 Science Conneaut School District

Text Information: Campbell, Reese, Taylor, Simon & Dickey Biology ©2009

Online Text Book: www.biology.com

Course Description:

This course is intended to prepare students for a deeper understanding of cell morphology and physiology . This course will introduce the following subject matter to students: biochemical characteristics of cell structure & function, cell growth & reproduction, cellular genetics & patterns of inheritance, molecular biology of the gene, and DNA technology & genomics.

Topics Covered:

- Life of the Cell
- Molecular compounds of the Cell
- Cell Structure & Function
- Cellular harvesting of Chemical Energy
- Cellular basis of Reproduction & Inheritance
- Patterns of Genetic Inheritance
- Molecular Biology of the Cell

**Standards Addressed: S11.A.1.3.1 S11.A.1.3.2 S11.A.1.3.3 S11.B.1.1.1 S11.B.1.1.2
S11.B.1.1.3 S11.B.2.1.2 S11.B.2.1.3 S11.A.2.1.5 S11.B.2.2.1 S11.B.2.2.2 S11.B.2.2.3**

Instruction:

- Lecture
- Power point presentations
- Streaming Media
- Demonstrations
- Student inquiry labs/Guided labs
- Videos
- CD-ROM instruction
- Cooperative learning

Assessment:

- Success Tracker (online testing and remediation)

- Projects/independent research (power point presentation, research paper)
- Teacher observation
- Tests
- Quizzes
- Lab activities with writing component

Parent/Student Resources:

- Online Textbook with audio capabilities
- Success Tracker (online assessment tool)
- Edline