



BIOLOGY/LIFE SCIENCE A  
Course Outline: 4303

**I. Textbook Assignment Options:**

A. *Glencoe Life Science*, Part I (5.0 credits)

- Read: Chapters 1-13.
- Complete: “Chapter Review” exercises (**Omit** “Developing Skills” and “Performance Assessment”)
- Complete one of the Extension Activities listed below.

B. *Science Insights: Exploring Living Things*, Part I (1.0- 5.0 credits: direct instruction or course contract)

C. *Holt Biology: Visualizing Life*, Part I (5.0 credits)

- Read: Chapters 1- 17.
- Complete: all “Section Review” exercises.
- Complete: “Chapter Review” exercises (**Omit**: “ Thinking Critically,” “Activities & Projects,” & “Discovering Through Reading”).
- Complete two activities from the “Activities and Projects” sections in Chapters 1-17. Use Writing Rubric Exp. CP for writing activities **or**
- Complete two teacher generated activities, approved by the site administrator.

D. *Prentice Hall- Biology*, Part I (5.0 credits)

- Read: Chapters 1- 20.
- Complete: “Section Assessment” exercises (**Omit**: Critical Thinking).
- Complete: “Chapter Assessment” exercises (**Omit**: Critical Thinking).
- Complete **any two** of the following activities from Chapters 1-20:
  - a. “Quick-Lab” activity
  - b. “Performance-based Assessment” exercise
  - c. “Go Further” activity
- **Or** complete two teacher-generated activities, approved by the site administrator. Use Writing Rubric Exp. CP for writing activities.

E. *Biology: The Dynamics of Life*, Part I (5.0 credits)

- Read: Chapters 1- 20.
- Complete: “Understanding Main Ideas” sections in all “Section Assessments.”
- Complete: “Chapter Assessment” exercises (**Omit**: “Thinking Critically”)
- Complete two of the Extension Activities listed below under *Glencoe Biology*.

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## II. Extension Activity Options:

- A. 1. Using the Internet, go to [www.google.com](http://www.google.com) and conduct research on one of the following topics related to Biology:

1. The Muscular System
2. The Skeletal System
3. The Circulatory System

Write a 1-page essay based on your research. Use Writing Rubric Exp. HS.

2. Complete a 10-slide PowerPoint presentation illustrating the name, function, and location of 10 muscles in the human body. Include a Title/Cover page in your presentation.
3. Complete one of the “Using Computers” or “Mini LAB” activities from Chapter 1-13.
4. Teacher generated activity, approved by the site administrator.

B. *Glencoe Biology*:

1. Use the Internet or library to research Katherine Esau and Judith Croxdale, two of the most famous female American botanists. Write a 2-page essay based upon your research comparing the work of these women. Use Writing Rubric Exp CP.
2. Conduct research on a topic of interest from Chapters 1-20. Write a 2-page essay or prepare a 15-20-slide PowerPoint presentation on your subject of choice. For the writing assignment, use Writing Rubric Exp. CP.
3. Use the PBS website ([WWW.PBS.Org](http://WWW.PBS.Org)) to research information on how science works in solving a problem (the scientific process/methods). Write a 2-page essay, or create a 7-10 slide PowerPoint presentation based upon your research. If you choose to write the essay, use Writing Rubric Exp CP.
4. Complete **two** of the “Skill Review” activities in the “Section Assessments” from Chapters 1-20.
5. Teacher generated activity, approved by the administrator.

## III. Evaluation

- See your teacher for a unit test.
- All Writing assignments must meet the proficient level of the rubric provided by the teacher.
- All textbook work must meet 70% accuracy level for a “C” grade.