



BIOLOGY/LIFE SCIENCE B  
Course Outline: 4304

**I. Textbook Assignment Options:**

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

- Read: Chapters 14-27.
- Complete: “Chapter Review” exercises (**Omit:** “Developing Skills” & “Performance Assessment”).
- Complete one of the Extension Activities listed below.

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

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

- Read: Chapters 18-35.
- 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 18-35. Use Writing Rubric Exp. CP for writing activities **or**
- Complete two teacher generated activities, approved by the site administrator.

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

- Read: Chapters 21-40.
- 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 II (5.0 credits)

- Read: Chapters 21-39.
- 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, research one of the following topics and write a one-page essay. Use Writing Rubric Exp. HS.
  - a. Acupuncture and how it works
  - b. Pesticides and how overusing them can cause resistance in an insect population.
  - c. Various kinds of upper respiratory allergies: choose 2 kinds of allergies common in Bakersfield and how they are combated.
  - d. Recycling: find at least 3 creative ways to use trash.
2. Complete a PowerPoint presentation of at least 10 slides showing a food web, which includes various food chains. Include a complete and informative model of complex feeding relationships in a community.
3. Use the Internet to research the American Red Cross. Write one-page essay about receiving and donating blood, or create a 10-slide PowerPoint presentation based upon your research. Cite two sources and, for the essay, use Writing Rubric Exp. HS.
4. Teacher generated activity, approved by the site administrator.

#### B. *Glencoe Biology*:

1. Use the Internet or library to research John Henry Comstock and Mary Murtfeldt, two well-known entomologists. Write a 2-page essay based upon their research comparing the work of these two famous scientists. Use Writing Rubric Exp CP.
2. Select an endangered species and conduct research on your choice. Create a 15-20-slide PowerPoint presentation or write a 2-page essay based upon your research. Include colorful descriptions of its habitat, and social behavior: For the writing activity, use Writing Rubric Exp CP.
3. Complete **two** of the “Skill Review” exercises in “Section Assessments” from Chapters 18-25 in the textbook.
4. 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.