

PRE-VOCATIONAL SELF-CONTAINED LIFE SCIENCE
GRADES 9-10
(2 Semesters)

COURSE OVERVIEW:

This class is an introduction to basic science. The curriculum stresses relationships among the facts presented and continues to emphasize reading, writing, listening, and study skills.

UNITS OF INSTRUCTION:

- UNIT I - Animals
- UNIT II - Planets
- UNIT III - Plants
- UNIT IV - Matter
- UNIT V - Conservation
- UNIT VI - Oceanography
- UNIT VII - Rocks and Minerals

STUDENT OUTCOMES:

1. Acquaint students with the scientific method and process. (11A)
2. Familiarize students with the needs of living organisms. (12A)
3. Develop an awareness of ecology and environmental concerns. (12B)
4. Familiarize students with cells, tissues, and organs. (12A)
5. Provide students with opportunities to classify plants and animals. (12A)
6. Acquaint students with the simple organisms. (12A)
7. Increase students' awareness of the need for plants. (12A)
8. Familiarize students with plant structure and function. (12A)
9. Acquaint students with animals without backbones. (12A)
10. Acquaint students with animals with backbones. (12A)
11. Continue to develop and reinforce reading, writing, listening and study skills.

MAJOR LEARNING EXPERIENCES TO ACHIEVE OUTCOMES:

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| <ol style="list-style-type: none">1.2.3.4.5. | <p>Attend community trips to enhance the science learning experience.</p> <p>Demonstrate knowledge of subject through the use of hands on projects and experiences.</p> <p>Gain a greater understanding of science concepts through the use of manipulatives.</p> <p>Produce an independent study project during the semester.</p> <p>Participate in small group activities.</p> |
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ADOPTED TEXT OR PRINCIPAL MATERIALS USED:

<p>Bernstein, Schacter, Winkler, and Wolfe. <i>Concepts and Challenges in Life Science</i>. Globe Fearon, 1998. (adopted 1999)</p>
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(01/10/04)
(06/20/00)