

Rationale

The High School Everyday Science and Health Curriculum enhances the student's knowledge and understanding of important health and environmental issues to make decisions which will affect their health, safety and lifelong wellness. It is vital that the student recognizes how science and health impacts their lives on a daily basis.

Course Description

Everyday Science and Health is designed to meet the individual needs of the student who has extreme difficulty in all academic areas and is not able to gain information and knowledge at the level which is necessary within the general education class. While most students enrolled in this course are eligible for Alternate Assessments (such as MAP-A), it is not mandatory. This course covers selected topics in Health, Biology, Physics, Chemistry, Earth Science, and Science and Technology at a level that is appropriate to address student IEPs and the need for daily living skills. A primary focus is the health and safety of the student as they become as independent as possible in life skills that will continue beyond the school experience. Acquisition and Application of skills will be assessed in various settings including a component of Community-Based instruction.

Prerequisites

Prerequisite: IEP team recommendation

Open to: 9, 10, 11, 12

Credit: 1 Unit - Two Semesters

Course Objectives

1. The student will classify living organisms and understand their interactions with both biotic and abiotic factors, and how that contributes to structural development, and to recognize the impact of human activities on the environment and the need to conserve natural resources. Assessed on MAP-A. (GLE/AGLE: SC9, 10, 11; SC4, 5, 8; 1.6, 1.7, 1.8, 1.10, 2.3, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 4.3)
2. The student will design, perform and analyze scientific experiments. Assessed on MAP-A. (GLE/AGLE: SC9, 10, 11; SC3, 4, 5, 8; 1.2, 1.3, 1.4, 1.6, 1.7, 1.8, 1.10, 2.3, 2.7, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 4.3) (A+: Writing)
3. The student will explore and investigate the relationship between a magnetic force and an electric current. Assessed on MAP-A. (GLE/AGLE: SC9, 10, 11; SC1; 1.6, 1.10)
4. The student will explore and analyze motion quantitatively and graphically. Assessed on MAP-A. (GLE/AGLE: SC9, 10, 11; SC2; 1.8, 2.4, 3.5, 4.1)
5. The student will explore and apply their understanding of simple machines. Assessed on MAP-A. (GLE/AGLE: SC9, 10, 11; 1.6, 1.10)
6. The student will explore how different forces affect the earth, solar system, galaxy, and the universe. Assessed on MAP-A. (GLE/AGLE: SC9, 10, 11; SC2; 7; 1.3, 1.5, 1.6, 1.8, 1.10, 2.3, 2.4, 2.7, 3.5, 4.1)
7. The student will explore, discuss, and/or apply steps of the scientific method, including conducting a lab experiment with direct supervision. Assessed on MAP-A. (GLE/AGLE: SC9, 10, 11; SC7; 1.1, 1.3, 3.3) (A+: Speaking)
8. The student will enhance knowledge of body systems, how they function and interact with each other. Locally assessed. (HPE, SC3; 3.1, 3.6) (A+: Reading)
9. The student will explore components of, and demonstrate healthy relationships. Locally assessed. (HPE6, SS6; 1.2, 2.3, 4.1)
10. The student will utilize nutrition knowledge for a healthy lifestyle. Locally assessed. (HPE2, HPR3, HPE5, HPE6, SS6; 1.2, 2.3, 4.1)
11. The student will enhance knowledge of the dangers and long-term effects of tobacco, alcohol, and other drugs. Locally assessed. (HPE5, CA6; 2.1, 2.3, 4.7, 4.8)
12. * The student will enhance knowledge of communicable and non-communicable diseases including HIV/AIDS. Locally assessed. (HPE3, 1.7, 3.1, 4.7) (A+: Research)
13. The student will explore knowledge of personal fitness and lifelong wellness. Locally assessed. (HPE4; 4.1, 4.7)

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Mehlville School District
Special Education
Grades 9 - 12, Duration 1 Year, 1 Credit

14. The student will enhance knowledge of personal health and the environment. Locally assessed. (HPE5, SC4, SC8; 2.3, 3.8)

*This objective addresses Senate Bill 163, Sexual Education and Abstinence.

Additional objectives may be addressed as indicated by MAP-A Science and Technology for Grades 9-12 to meet student IEP'S. Strands assessed by MAP-A, grade 11 include: Scientific Inquiry; Impact of Science, Technology and Human Activity; Process and Interactions of the Earth's Systems (Geosphere, Atmosphere, and Hydrosphere); and Composition and Structure of the Universe and the Motion of Objects Within It.

BOE 7-30-09