EALR #1:

The student understands and uses scientific concepts and principles.

The Basis of Biological Diversity.
Classify organisms into distinct groups according to structural, cellular, biochemical and genetic characteristics.

Structure and Organization of Living Things.
Understand that specific genes regulate the functions performed by structures within the cells of multi-cellular organisms.

The Molecular Basis of Heredity.
Describe how genetic information (DNA) in the cell is controlled at the molecular level, and provides genetic continuity between generations.

Human Biology.
Compare and contrast the specialized structural and functional systems that regulate and maintain human growth and development, and maintain health.

Life processes and the flow of matter and energy.
Explain how organisms can sustain life by obtaining, transporting, transforming, releasing and eliminating matter and energy.

Biological Evolution.
Investigate and examine the scientific evidence used to develop theories for evolution, speciation, adaptation and biological diversity.

Interdependence of Life.
Compare and contrast the complex factors (biotic and abiotic) that affect living organisms' interactions in biomes, ecosystems, communities and populations.

Environmental and Resource issues.
Analyze the effects of natural events and human activities on the earth's capacity to sustain biological diversity.

Curriculum Mapping Template

_____
name of activity

Circle all benchmarks (in margins) that apply and list major components of activity below.

Assessments:

Extensions:

EALR #2:

The student understands the skills and process of science and technology.

Component 2.1. Develop abilities necessary to do scientific inquiry.

- Communication
- Design/Conduct Investigations
- Evidence and Explanation
- Modeling
- Questioning

Component 2.2. Apply science knowledge and skills to solve problems or meet challenges.

- Designing and Testing solutions
- Evaluating Potential Solutions
- Identifying Problems

EALR #3:

The student understands the nature and contexts of science and technology.

Component 3.1. Understand the nature of scientific inquiry.

- Intellectual Honesty
- Limitations of Science and Technology
- Dealing with Inconsistencies
- Evaluating Methods of Investigation
- Evolution of Scientific Ideas

Component 3.2. Know that science and technology are human endeavors, interrelated to each other, to society, and to the workplace.

- All Peoples Contribute to Science and Technology
- Relationship of Science and Technology
- Careers and occupations using science, mathematics, and technology