

Science - Classification of Living Organisms Unit

Standards:

S5L1. - Students will classify organisms into groups and relate how they determined the groups with how and why scientists use classification.

a. Demonstrate how animals are sorted into groups (vertebrate and invertebrate) and how vertebrates are sorted into groups (fish, amphibian, reptile, bird, and mammal).

b. Demonstrate how plants are sorted into groups.

S5L2. - Students will recognize that offspring can resemble parents in inherited traits and learned behaviors.

a. Compare and contrast the characteristics of learned behaviors and of inherited traits.

b. Discuss what a gene is and the role genes play in the transfer of traits.

Essential Questions:

- How do living things differ?
- What characteristic is unique to vertebrates?
- What characteristic is unique to invertebrates?
- What characteristics are unique to mammals?
- What characteristics are unique to reptiles?
- What characteristics are unique to amphibians?
- What characteristics are unique to birds?
- What characteristics are unique to fish?
- How do we classify plants?
- What is the difference between inherited traits and learned behaviors?

Activities:

- Activity 1 - Vocabulary Exercise. **Due** _____.
- Activity 2 - Kingdoms Presentation. S5L1. **Due** _____.
- Activity 3 - Vertebrates/Invertebrates Presentation. S5L1.a. **Due** _____.
- Activity 4 - Vertebrates Presentation. S5L1.a. **Due** _____.
- Activity 5 – Design Your Zoo. S5L1.a. **Due** _____.
- Activity 6 - Classify the Creature. S5L1.a. **Due** _____.
- Activity 7 – Plants. S5L1.b. **Due** _____.
- Activity 8 - Inherited Traits vs. Learned Behaviors. S5L2.a. **Due** _____.
- Activity 9 - Punnett's Square. S5L2.b **Due** _____.
- Unit Test. _____.