7th Grade Life Science Standards

S7L1. Students will investigate the diversity of living organisms and how they can be compared scientifically.

Big Ideas

Diversity of Living Things
Classification

Enduring Understandings
Students will understand that..
The dichotomous key is a tool that can be used to classify and show relationships
Organisms are classified into six kingdoms using a dichotomous key.
Organisms share similar characteristics of life.
The development of organism and taxonomy are important in naming organisms.
Living things are classified into six kingdoms based on common characteristics.

Essential Questions

1. How can a dichotomous key be used to classify?
2. How are the six kingdoms classified?
3. How do you use classification everyday?
4. Why classify?
5. How would we identify organisms without classification?
6. How are living things classified?
7. Why bother to classify living thing
8. How are living things classified?
9. How do organisms get their scientific names?

Knowledge
Students will know

- The dichotomous key used to classify organisms.
- The six kingdoms classification of organisms.
- How to use classification criteria for everyday organization.
- Basic characteristics of living organisms
- How to determine organisms' scientific names?

Skills
Students will

- Demonstrate the process for the development of a Dichotomous Key.
- Classify organisms based on a six-kingdom system and a Dichotomous Key.-