

Classifying Across the Kingdoms

Learning Goals

- This hands-on, inquiry based laboratory activity allows students to explore classifications of organisms. In this activity, girls use a guided inquiry technique as they work together to classify organisms. They will study binomial nomenclature and work with dichotomous keys to determine the kingdom and further classification of various organisms.
- Girls will
 - Develop the skills necessary to design and perform scientific investigations
 - Observe various traits of organisms
 - Recognize individual kingdoms, phyla, and further classification
 - Propose methods for classification
 - Make predictions about the classification of organisms

Age levels

- Seniors and Ambassadors

Activity 1: girls group the organisms and then create a classification key unique to their system.

Activity 2: girls will again observe each organism and also study its accompanying information card. They will use the information to follow a classification key and group the organisms conventionally, based on the six kingdoms of life.