

Teaching Guide:



Roper Mountain's Matter Mystery Squad has been tasked with solving the mystery of the unknown animal. Participants will begin with a sorting activity introduction with their own objects and then will apply the same principles to animals that call Roper Mountain Science Center home in an attempt to solve a mystery.

Pre Activities:

- Vocabulary- Classify, properties, matter, sort, object, color, texture, rough, smooth, size, observation

Instructions for Day of the Program (remote):

- Have students gather five objects that they will use to sort during the program.

Instructions for Day of the Program (In-person):

- Have students gather five objects that they will use to sort during the program.
- Have students seated at desks visible from the webcam, if possible.

Post Activities

- Ask students to classify/group different types of objects and explain why they grouped them that way.
- Construct an argument for evidence of the mystery solved. Evidence should include the sorting physical properties to justify their claim.

- **Career Connection**

Detective, reporter, biologist, animal care taker