



GRADE ONE

WHICH IS HEAVIEST/ LIGHTEST?

Let your kids enjoy the outdoors while doing math!

WHAT YOU'LL LEARN:

- You will learn how to compare different objects comparing their mass.
- How to relate mathematical concepts with the natural environment.

OUTCOMES/INDICATORS:

- SCO M01 Students will be expected to demonstrate an understanding of measurement as a process of comparing by
 - identifying attributes that can be compared
 - ordering objects
 - making statements of comparison
 - filling, covering, or matching
- Indicators:
 - M01.04 Predict which object in a set is heaviest/lightest, determine by comparing and explain the reasoning.
 - M01.05 Predict which object in a set is largest/smallest, determine by comparing and explain the reasoning.

MATERIALS:

- Objects in nature
- White boards to write answers
- White board markers
- This activity can be completed outdoors or indoors
- This activity can be completed individually or in groups
- All materials needed for this lesson will be in the bin labeled "P-2"

WHAT TO DO:

1. Today we are going to gather objects in nature to compare which is heavier and which is lighter. You will be working individually.

2. Your teacher or guardian will designate an area where the group will search your objects.
3. Show two different objects that can be compared for mass. Ask students to predict which is heavier.
4. Then, ask them to explain how they could compare them to determine which is heavier. Repeat for other measurement attributes.
5. Provide students with two objects such as a leaf and a stick.
Ask, – Can you tell which of these two objects is longer? – Can you tell which of these two objects is heavier? – Can you tell me which of these two objects is bigger?
– Can you tell which of these two objects takes up the most space? – Can you tell which of these two objects holds more?
6. Use the questions as identified above, repeating the activity with other sets containing two objects.

EXTENSION:

- Have students compare 3 objects.
- Students can bring objects inside to weigh their objects!

CREDIT/REFERENCES:

This activity has been modified from the Nova Scotia Curriculum Website.