

Weight & Me

Kyla Baker · Kindergarten · Mathematics: Weight

Core Competencies:

Communication:

- (1) Connect and engage with others (to share and develop ideas)
 - “I can ask and respond to simple, direct questions.”
- (2) Acquire, interpret, and present information
 - Students will compare objects and use applicable language to interpret and present their findings
 - “I can understand and share information about a topic that is important to me.”

Thinking:

Creative Thinking

- (1) Novelty and Value
 - Students will utilize items that are novel to them in order to place values upon those items using the prescribed terminology
 - “I get ideas when I play.”

Critical Thinking

- (1) Question and Investigate
 - Students will be questioned about the attributes of comparable objects in order to examine them
 - “I can explore materials and actions.”

Personal & Social:

Personal Awareness and Responsibility

- (1) Self-determination
 - Students will be presented with problems which are attainable
 - “I can show a sense of accomplishment and joy.”
- (2) Self-regulation
 - Students will recognize when they are struggling and act accordingly
 - “I can persevere with challenging tasks.”

Social Responsibility

- (1) Solving problems in peaceful ways
 - Students will work with others to solve questions
 - “I can solve problems myself and can identify when to ask for help.”

Big Ideas:

- Objects have attributes that can be described, measured, and compared.
- Familiar events can be described as likely or unlikely and compared.

Curricular Competencies:

Students will be able to:

- Compare and identify masses: heavier than, lighter than, same as

Content:

Students are expected to know:

- Terminology specific to height width, length, mass, and capacity: longer than, shorter than, taller than, wider than, heavier than, lighter than, same as, holds more, holds less

Incorporation of Aboriginal Education:

First Peoples Principles of Learning:

- Learning is holistic, reflexive, reflective, experiential, and relational (focused on connectedness, on reciprocal relationships, and a sense of place).
- Learning is embedded in memory, history, and story.
- Learning involves patience and time.
- Learning requires exploration of one's identity.

Diversification/Differentiation:

Assessment Tools & Strategies:

Cross-Curricular Connections:

English Language Arts: using math specific terminology

Resources/Materials:

- Big Block
- Foam Block
- Hardcover Book
- Softcover Book
- Marker
- Large Stick
- Feather
- Whiteboard

Method:

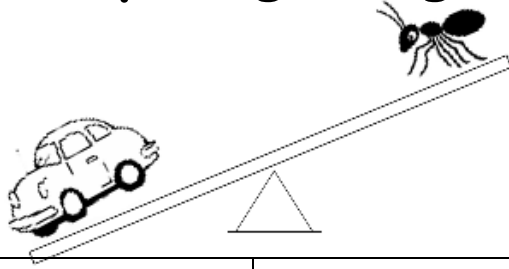
Prep: Set up stations for students to compare weights (a rock & a marble; a big block & a foam block; a hardcover book & softcover book; a large stick & a feather)

Lesson:

1. Set up stations for students to explore the mass of items
2. Show the students each item at the stations and have them guess which items are heavy and which are light – record this information on chart paper to compare with student tested results
3. Give them a worksheet where they must draw or write the items in the columns heavy or light

Name: _____

Comparing Weights

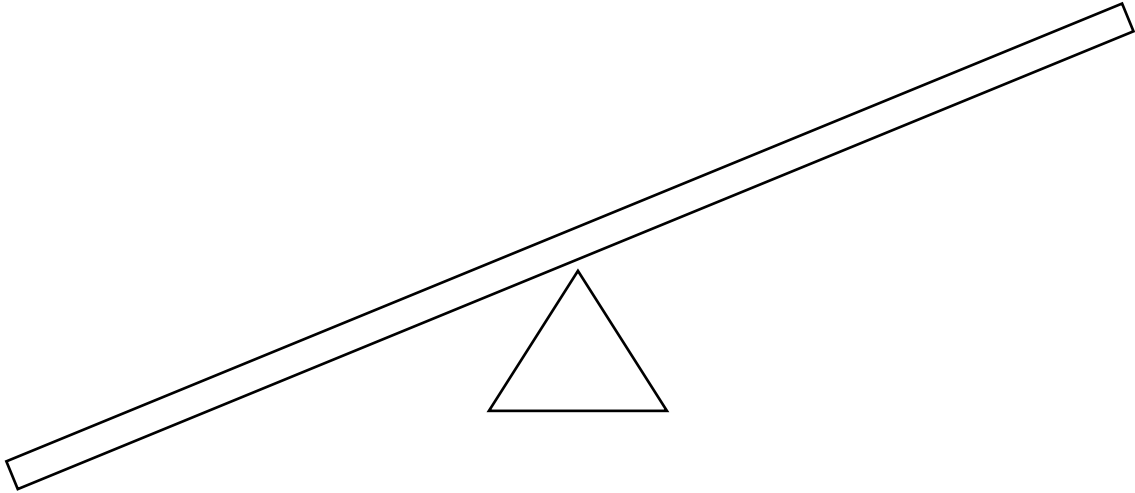


Heavy

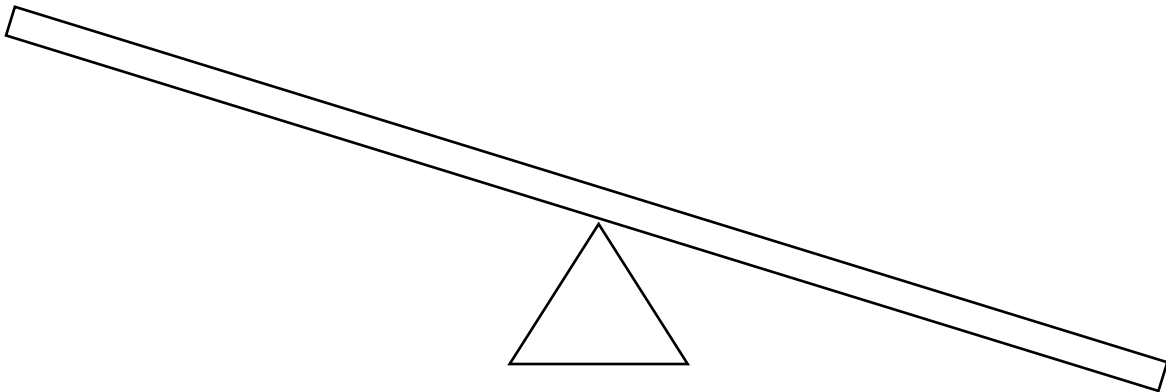
Light

Name: _____

Weight: Heavy or Light?



A _____ is heavier than me.



A _____ is lighter than me.