

JR-ENGINEERS

BALANCING ACT

This balancing paper activity is perfect for STEAM!

INSTRUCTIONS

STEP 1: Print and color the dog/cat templates.

STEP 2: Cut out with scissors.

STEP 3: Trace their shape onto card stock and cut them out again. Glue them together.

STEP 4: Attach two clothespins to each shape and try to balance them on your finger. Move the clothespins around to see how it affects the balance.

SUPPLIES

Template
Cardstock
Scissors
Glue stick
Markers
Clothespins

THE SCIENCE

To balance something is to put it in a stable position where it remains upright. Even weight distribution helps to keep something balanced or stable like these balancing pets! The clothespins create a balanced force and create a center of gravity which allows this paper animals to balance on our finger!

The center of gravity of an object could also be called its balance point. If you support the center of gravity, the object will balance. If an object is not supported directly below its center of gravity then the object will topple over.



