

Curriculum Share

DRDP Measure: COG 9: Inquiry Through Observation and Investigation

Age Group: Toddler

Which Objects Can Balance?

Developmental information:

Inquiry Through Observation and Investigation

Child observes, explores, and investigates objects (living and nonliving things) and events in the environment and becomes increasingly sophisticated in pursuing knowledge about them



Your child can investigate different objects. Your child can predict which kinds of shapes can balance. Then help your child test it out and observe what happens! What shapes balance? What shapes fall down?

Materials

3 sheets of paper

Several non-breakable objects of different shapes: pencils, markers, crayons, small toys, small boxes, spoon, toothpaste tube, plastic containers

Directions

1 Set out the three sheets of paper in a row. At the top of the first paper, write BALANCES. At the top of the second paper, write SOMETIMES BALANCES. And at the top of the third paper, write DOES NOT BALANCE.



Image of Which Objects Can Balance activity step one.

2 Stand with your child, with two feet on the floor. Then both try standing on just one foot! What is different about standing on one foot? What is different about standing on one foot? Did you and your child feel wobbly? Explain that balanced objects do not fall over, like when we stood on two feet. Objects that are not balanced fall over, like when we wobbled on one foot.

3 Your child can choose an object. Encourage your child to notice the different sides and edges the object has. Your child can predict whether the object can balance on ALL of its different sides!

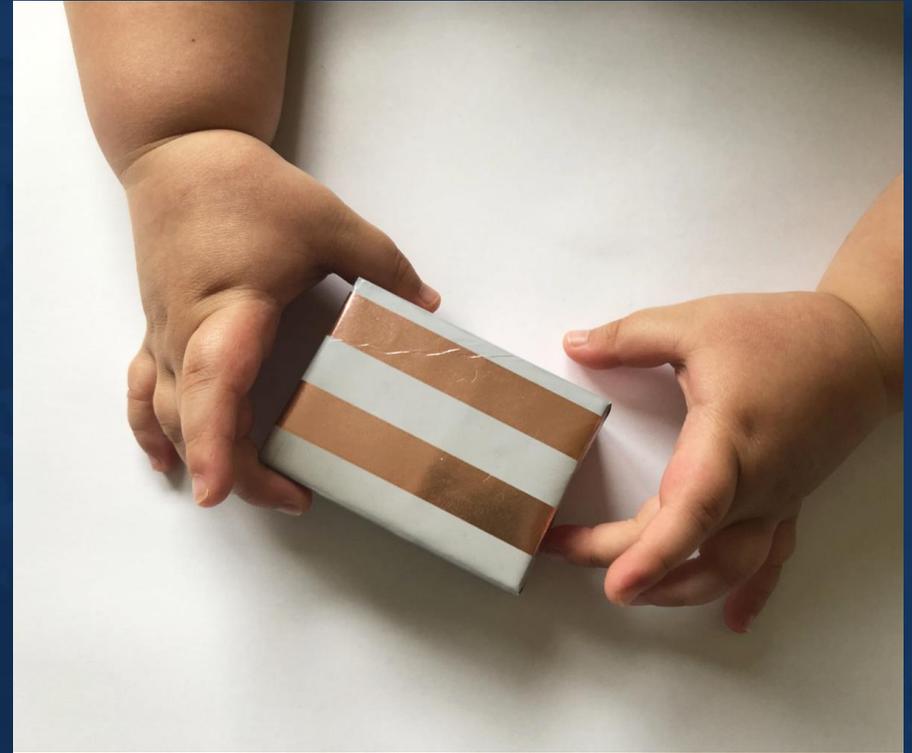
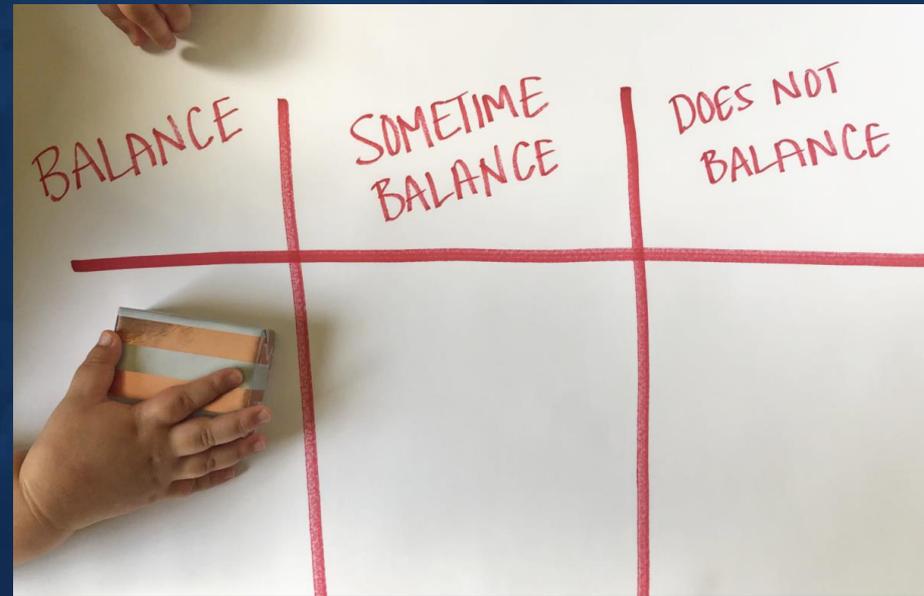


Image of Which Objects Can Balance activity step three.

4 Your child can try balancing the object on ALL of its different sides. If the object balances on ALL of its sides, place it on the paper that says BALANCES. If the object balances on SOME of its sides, place it on the paper that says SOMETIMES Balances. If the object does NOT balance on any of its sides, place it on the paper that says Does NOT Balance.

Image of Which Objects Can Balance activity step four.



5 Your child can choose a different object. Encourage your child to predict and test whether this object balances. Then your child can place the object on the paper that tells how the object balances.

6 Your child can test as many objects as they wish. Then look at the objects on the paper. Ask your child, What kinds of sides help an object balance? Listen to your child's science ideas!

