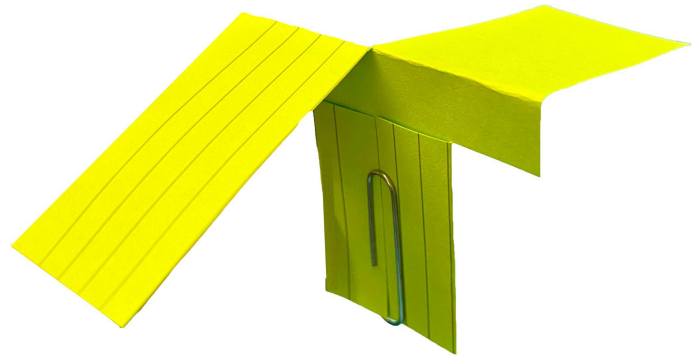


MATERIALS

- index cards
- paper clips
- scissors
- markers and stickers to decorate



CREATE

Holding the index card vertically, make 3 cuts: one going down the middle almost to midpoint and 2 going in from just below midpoint. Place a paper clip at the bottom of helicopter (see picture). Decorate your helicopter with markers and stickers.

PLAY

Experiment with different ways to make the helicopter fly.



KEY CONCEPTS

Physical Science

Children explore motion and stability.

Cause and Effect

Children predict and then explore what happens when they drop their paper airplane.

Engineering

Children explore the design of the helicopter when making and flying them.

QUESTIONS TO ASK

- What might be making the helicopter spin?
- How might you design a helicopter that would spin faster? Slower?
- What might happen if you take off the paper clip at the bottom.?
- What are some ways you found to fly your helicopter so it spins?
- Have you seen other objects with this design that spin in through the air?

THINGS TO NOTICE

- Children's joy and excitement as they create their paper helicopter.
- Children's creativity as they design their own helicopter
- Different ways children explore to fly their helicopter.
- How long the child is engaged in the activity.