

# Mr. E. Mike's Art, Mathematics, and Motion

## Project 1: The Paper Propeller Sculpture

Focus Topic: Circles

Lesson Plan

**Essential Question: What does a circle and flight have to do with each other?**

Goals: to use art to demonstrate the concept of a propeller and circle

Discuss your thoughts among yourselves for five minutes.

Create a movement or dance to demonstrate the concept

Write a creative piece about the concept

Draw a picture that illustrates the concept

Create an explanation about how the propeller works

Introduce the template for the paper propeller sculpture.

Make the two paper propeller sculptures and test them.

Add color and observe what happens when the paper propeller sculptures are dropped.

Create a target and compete to see who can score the most points.

To make the target use only a pencil, a string and tape.

Introduce the terms radius and diameter

Vocabulary

Propeller

Radius

Diameter

Supply List

- Markers
- String
- Paperclips
- Poster board
- Tape
- Printer paper
- Colored pencils