

# Middle School STEM Activity 8

**Subject:** Mathematics

## Topic: Probability Experiment

**Grade Level:** 6-8

**Objective:** Students will engage in hands-on STEM investigation and apply critical thinking skills.

### Students will:

- Analyze scientific or mathematical concepts
- Conduct investigations and record results
- Apply problem-solving and collaboration skills

### Materials Needed:

- Notebook
- Pencil
- Basic classroom materials
- Measuring tools (if needed)

### Activity Steps:

1. Introduce concept
2. Demonstrate activity
3. Students perform investigation
4. Record data
5. Discuss findings
6. Present results

Observation	Notes	

### Discussion Questions:

- What did you observe?
- Why did this happen?
- How can this be improved?
- Where is this used in real life?

**Extension Activity:** Students design a similar investigation at home or create a project based on this concept.

Probability

