

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

