

Middle School STEM Activity 9

Subject: Engineering

Topic: Water Filtration Engineering

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.

Water Filtration

