

# Middle School STEM Activity

**Subject:** Engineering

**Topic:** Water Filtration Engineering

## ***Objective***

Students explore and apply water filtration engineering concepts.

## ***Learning Outcomes***

- Understand water filtration engineering
- Develop critical thinking
- Apply STEM knowledge
- Encourage creativity

## ***Materials***

- Notebook
- Markers
- Chart paper
- Recycled materials
- Internet

## ***Activity Steps***

1. Introduce water filtration engineering concept.
2. Show real-life examples.
3. Students perform activity.
4. Record observations.
5. Present results.

## ***Observation/Notes***

Observation	Notes

## ***Discussion Questions***

- What is water filtration engineering?
- Why is it important?
- Where is it used?
- What did you learn?

## ***Extension Activity***

Create a mini project using water filtration engineering and present.

## Water Filtration Engineering Diagram

