

Middle School STEM Activity

Subject: Engineering

Topic: Engineering Design Process

Objective

Students explore and understand engineering design process concepts.

Learning Outcomes

- Understand engineering design process
- Develop critical thinking
- Apply STEM knowledge
- Collaborate with peers

Materials

- Notebook
- Markers
- Chart paper
- STEM kit
- Internet

Activity Steps

1. Introduce engineering design process concept.
2. Show demonstration or video.
3. Students perform activity.
4. Record observations.
5. Discuss results.

Observation/Notes

Observation	Notes

Discussion Questions

- What is engineering design process?
- Why is it important?
- Where is it used?
- What did you learn?

Extension Activity

Design a mini project using engineering design process and present.

Engineering Design Process Diagram

Design