Freebie
Engineering Design Process
Created by Jaryn Nicholson
A great companion to Project Based Learning
ASK IMAGINE PLAN CREATE IMPROVE
CREATE a Flip Book plan for your project based learning activity
Engineering Design Process

**ASK**
What problem needs to be solved? Research the topic to find out more.

**IMAGINE**
Brainstorm possible solutions and pick the best one.

**CREATE**
Build and test your plan.

**PLAN**
Draw a design, label materials, and make step by step instructions.

**IMPROVE**
Reflect on what works and what could work better. Make changes.
Solve a problem using the steps in the engineering design process.

Write the steps you will take to complete this design.

- ask
- imagine
- plan
- create
- improve
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ask

What problem needs to be solved?
Research the topic to find out more.

imagine

Brainstorm possible solutions and pick the best one.

plan

Draw a design, label materials, and make step by step instructions.

create

Build and test your plan.

improve

Reflect on what works and what could work better. Make changes.
Go back to the Imagine Step.

Cut along the dotted lines
My steps in the engineering design process.

ASK
IMAGINE
PLAN
CREATE
IMPROVE

Cut along the dotted lines