

Name: \_\_\_\_\_

Class: \_\_\_\_\_

# Engineering a Pushcart

GRADES 6-8

## Brainstorming

**Solutions if you have a million dollars**

**Solutions that involve motorization**

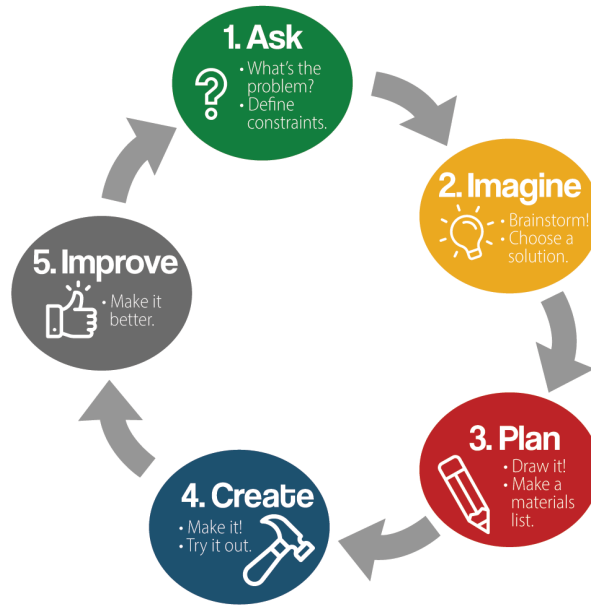
**Solutions that start with the letter \_\_\_\_**

**Solutions you could build**

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## Engineering Design Process



Fill in the criteria and constraints for your design challenge. Consider impacts on people (accessibility) and the natural environment.

Criteria	Constraints

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## Scaffold Sheet: Rubric for Evaluation Matrix

Criteria or Constraint	Above (3)	Meets (2)	Below (1)
<i>Ex: Can be pushed or pulled</i>	<i>Ex: Moves in all directions</i>	<i>Ex: Pushes and Pulls</i>	<i>Ex: Moves in one direction</i>
<b>Total</b>			

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**Scaffold Sheet:** Pros and Cons or Strengths, Weaknesses, Opportunities and Threats  
Design One

Pros/Strengths	Cons/Weaknesses

Design Two

Pros/Strengths	Cons/Weaknesses

Design Three

Pros/Strengths	Cons/Weaknesses

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## Scaffold Sheet: Decision Tree

