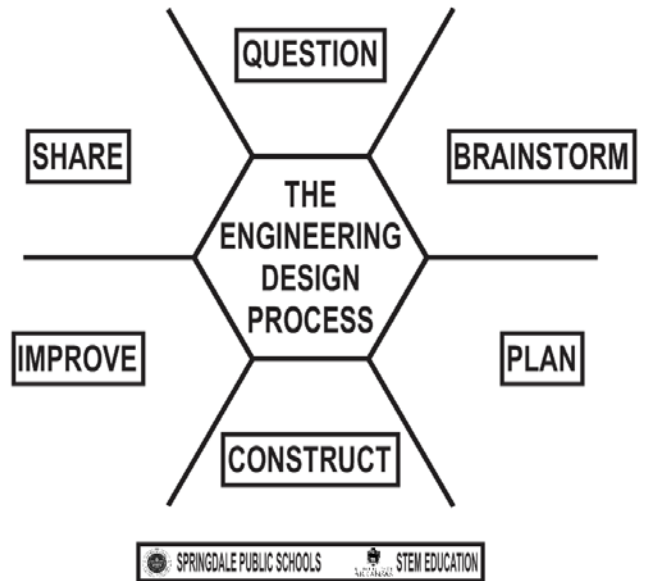


ENGINEERING DESIGN JOURNAL

Name:

Design Team Members:

Design Challenge:



QUESTION

Identify the problem that you have been asked to solve? State the problem in your own words.

What questions do you need to ask in order to better understand the problem?

Analyze the constraints for the design challenge.

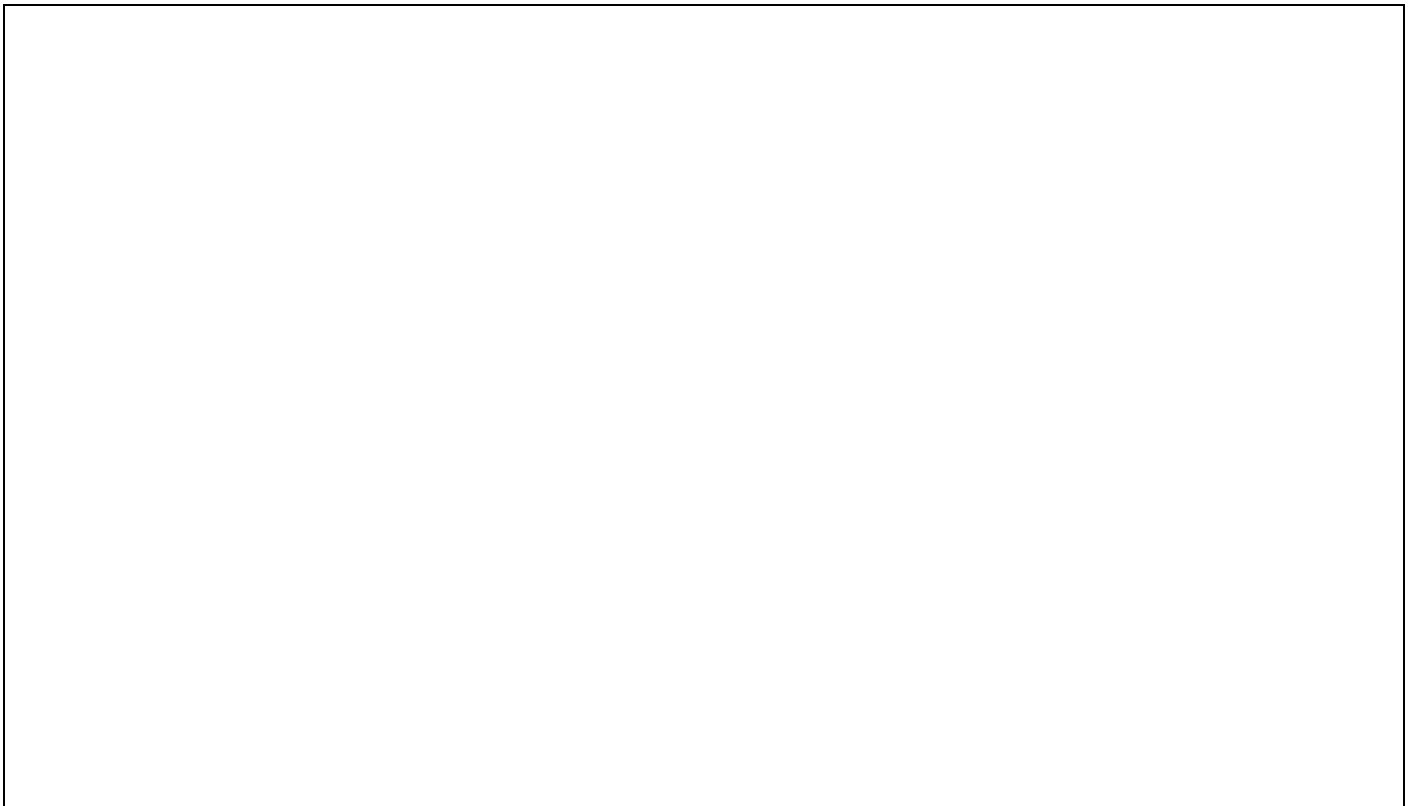
BRAINSTORM

Conduct research.

What do you need to find out?

What did you find out?

Imagine what is possible. Generate as many ideas as possible



PLAN

Make sketches

Choose the best solution. Sketch what you will build.

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What tools and materials will you use?

CONSTRUCT

Create your model.

NOTES:

How will you test your model?

Collect data from your test.

IMPROVE

Analyze and interpret the data from your test.

How can you improve or modify your design?

Retest your model. How did your improvements and modification work?

SHARE

What do you need to prepare before you present your design to others?

What questions do you think others will ask you about your design?

Prepare to defend your solution. What do you like about your design?

How could you make further improvements to your design/solution?
