**ENGINEERING DESIGN JOURNAL**



**Name:**

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**Design Team Members:**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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**Design Challenge:**

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

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

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**Analyze the constraints for the design challenge.**

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**Conduct research.**

**What do you need to find out?**

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**What did you find out?**

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**Imagine what is possible. Generate as many ideas as possible**

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**Make sketches**

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**Choose the best solution. Sketch what you will build.**

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**What tools and materials will you use?**

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**Create your model.**

**NOTES:**

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**How will you test your model?**

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**Collect data from your test.**

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**Analyze and interpret the data from your test.**

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**How can you improve or modify your design?**

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

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

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

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

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

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