******Student Worksheet**

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| **1. Identify the Problem: In your own words, what is the problem and the constraints?**  |
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| **2. Research the Problem: What information will help you find a solution? Constraints?**  |
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| **3. Develop Possible Solutions: Brainstorm as many design ideas as you can.** |
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| **4. Select & Construct the Most Promising Solution: Which is the best idea?** |
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| **5. Test and Evaluate the Prototype: How did it go? What were the problems?** |
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| **6. Communicate the Design: Explain what you did so far, what happened, and what you would like to try next.** |
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| **7. Redesign: How well did your redesign work?**  |
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