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| Identify the Problem | * Ask a question.
* Describe the challenge to be solved, including limits and constraints.
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| Explore/Imagine | * Brainstorm what you know
* Research what others have done.
* Discover what materials are available.
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| Design | * Use your knowledge and creativity to come up with many solutions.
* Make a sketch of your idea, labeling every part and function.
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| Create | * Build a prototype.
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| Test | * Test the model
* Observe and collect data about the design
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| Improve | * Evaluate how the solution worked
* How can you modify the design to make it better?
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