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