Engineering Design Portfolio

ASK: Think about what the challenge is asking you to do. Restate the problem in your own words.

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IMAGINE: Research what other people have done to solve this problem. How can you take what others have done and make it better? How can you use your materials in new and different ways? Record your ideas with notes and sketches.
PLAN: Using your ideas, make 2 separate plans. Be sure to include materials you will use, how much of each material you will need, dimensions of your creation. You may need to include different views of each plan.
CREATE: Next, choose your best plan. Make a shopping list of materials you will need. It’s time to create your project!

As you work, make notes here about problems you have and how you solve them.

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Test Your Solution:

Insert several questions that correspond to the criteria here: (for example)

1. Does your birdhouse with have a perch?  Yes  No

IMPROVE: After testing your solution, evaluate your project and think of ways you could improve it. Ask yourself:

1. What worked and didn’t work? Why?
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2. What can you do differently to improve your solution?
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