The Engineering and Design Process

Engineering Notebook

Name:

Team Members:

PROJECT TITLE:

MREED.IEYMS.Science

Engineering notebook adapted from stem.nasa.gov

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The Next Generation of Explorers

Step 1: Identify the problem

What are you being asked to achieve? What is the goal of this project?

Step 2: Identify Criteria and Constraints

What are the activity's requirements? (perhaps you can find this on the rubric, if you have one)

What will limit your design? (cost, supplies, time, etc.?)

Step 8: Share the design

Be proud of your design and what you achieved! Find a creative way to get the word out about your product and what you have learned.

Step 3: Brainstorm Possible Solutions

Describe and sketch possible approaches to solving the problem

Step 4: Select a Design

Explain why you chose the final design, and provide a sketch of your winning idea

Step 5: Build a prototype

Step 6: Test and evaluate your prototype

Step 7: Refine your design

You can use this space for any notes. What did you learn in the evaluation step that let to the final design; how did the final product perform?

Extra Sketch and Notes space: