Unit 2 Lesson 1: The Engineering Design Process
File 2.1.1: Engineering Design Process

DIRECTIONS: Consider the logical process for **developing technology** to solve a real world problem. What would you do **first**? What would you do **last**? What would be the steps **in between**? The steps you've been given represent a **12 step process** called the **Engineering Design Process**. **Read the title of each step** and **put them in the order that you believe makes the most sense.** When you are done, call for you teacher and he will check to see if your order is correct. If it is not, keep trying until you get it right. Be prepared to justify your choices.

Step 1	
Step 2	
Step 3	
Step 4	
Step 5	
Step 6	
Step 7	
Step 8	
Step 9	
Step 10	
Step 11	
Step 12	

Select an Approach

Communicate Processes and Results

Define the Problem

Refine and Improve

Make a Model or Prototype

Brainstorm Possible Solutions

Research Ideas/Explore Possibilities

Test and Evaluate

Consider Alternative Solutions

Specify Constraints & Identify Criteria

Develop a Written Design Proposal

Create/Make It Product