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	**Define** the Problem
Step 2	**Brainstorm** Possible Solutions
Step 3	**Research** Ideas/Explore Possibilities
Step 4	**Specify** Constraints & Identify Criteria
Step 5	**Consider** Alternative Solutions
Step 6	**Select** an Approach

Step 7	**Develop** a Written Design Proposal
Step 8	**Create**/Make It Product
Step 9	**Test** and Evaluate
Step 10	**Refine** and Improve
Step 11	**Make** a Model or Prototype
Step 12	**Communicate** Processes and Results