|  |  |
| --- | --- |
| **Scientific Method** | **Engineering Design Process** |
| **State your Question** | **Define a Problem** |
| **Do Background Research** | **Do Background Research** |
| **Formulate your Hypothesis, identify Variables** | **Specify Requirements** |
| **Design Experiment, Establish a Procedure** | **Create Alternative Solutions, choose the best one and develop it** |
| **Test your Hypothesis by doing an Experiment** | **Build a Prototype** |
| **Analyze your Results and Draw Conclusions** | **Test and Redesign as necessary** |
| **Communicate your Results** | **Communicate your Results** |

****