Following a simple Engineering Design Process

**ASK**
- What is the challenge?
- What constraints do I have?
- What materials can I find?
- What do I want to achieve?

**IMAGINE**
- What might I make?
- What might it do?
- How can I make it different?
- What range of possibilities exist?

**PLAN**
- Draw a picture and a design
- Make a materials list
- Think about different methods of construction and choose one
- Write some construction steps

**CREATE**
- Make a prototype
- Experiment with different approaches to making its parts
- Construct a working version and try it out

**IMPROVE**
- Consider any problems or improvements to your design
- Explore and record improvements you would like to make or ways of making it work better