



The Engineering Design Process



The Engineering Design Process is the set of steps that a designer takes to go from identifying a problem or need, to creating and developing a solution that solves the problem or meets the need.

The steps of the Engineering Design Process are to:

- Define the problem
- Do background research
- Specify requirements
- Create alternative solutions
- Choose the best solution
- Do development work
- Build a prototype
- Test and redesign

During the Engineering Design Process, designers frequently jump back and forth between steps. Going back to earlier steps is common. This way of working is called “iteration,” and it is likely that your process will do the same!

Remember: While engineers create new things — such as products, websites, environments and experiences — scientists study how nature works. If your project involves making observations and doing experiments, your project might better fit the Scientific Method.

Information is taken from: www.sarsef.org