**Build-It-Yourself Learning Objectives**

Exercise art and engineering skills through project-based learning.

Think like an artist. Build like an engineer.

**Project management skills**

1. Define goals.
2. Research.
3. Collaborate. Teamwork
4. Break a solution into simple parts.
5. Document.

**Building skills**

1. Use tools efficiently and safely.
2. Modularize solutions.
3. Simplify solutions.
4. Make solutions reliable.
5. Make solutions editable.
6. Build quickly.

**Presentation skills**

1. Design solutions that attract attention, communicate a message and engage.
2. Think and communicate creatively.
3. Record solutions in lab books, on videos, and online.

