Wikipedia: I know everything!
Google: I have everything!
Facebook: I know everybody
Internet: Without me you all nothing.
Electricity: Keep talking bitches

Electrical

Act0 Circuits: voltage, current, resistance; Ohm's lab

Act1 Basic Electronics: Transistors, diodes

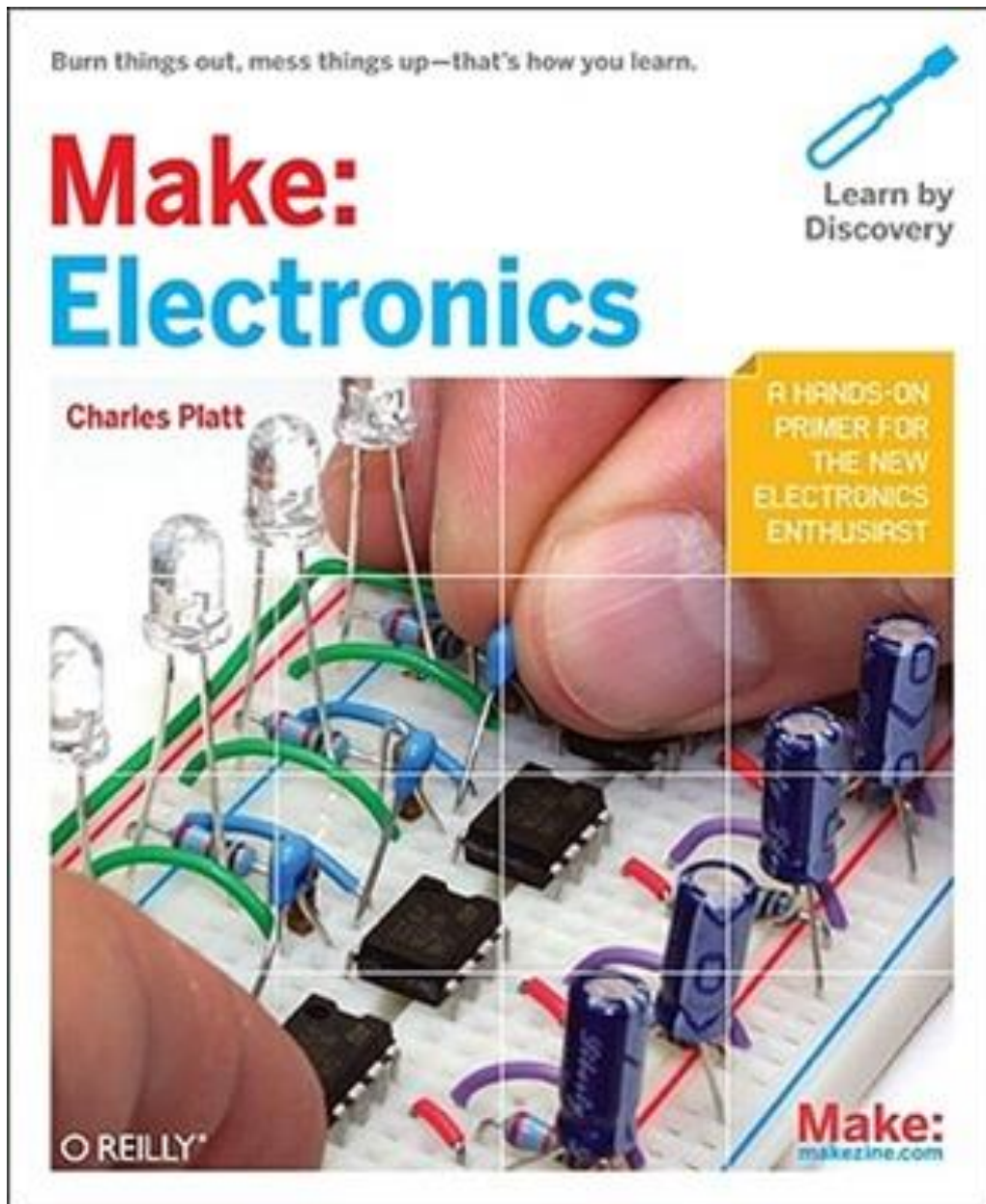**Act2** Arduino Hardware

Act3 Arduino Software

Mechanical

Design

How to use these documents

1. Documents are ordered and organized as activities.
2. In each of the activities, some introduction via JIT lecture will be conducted, relevant sections of the recommended reading text will be pointed to, and deliverables are projects, **show and tell** posters/schematics/concept art etc.
3. Guided research on a topic by performing literature review on the selected reading materials.
4. Forming the hypothesis/Plan your project

Recommended text books

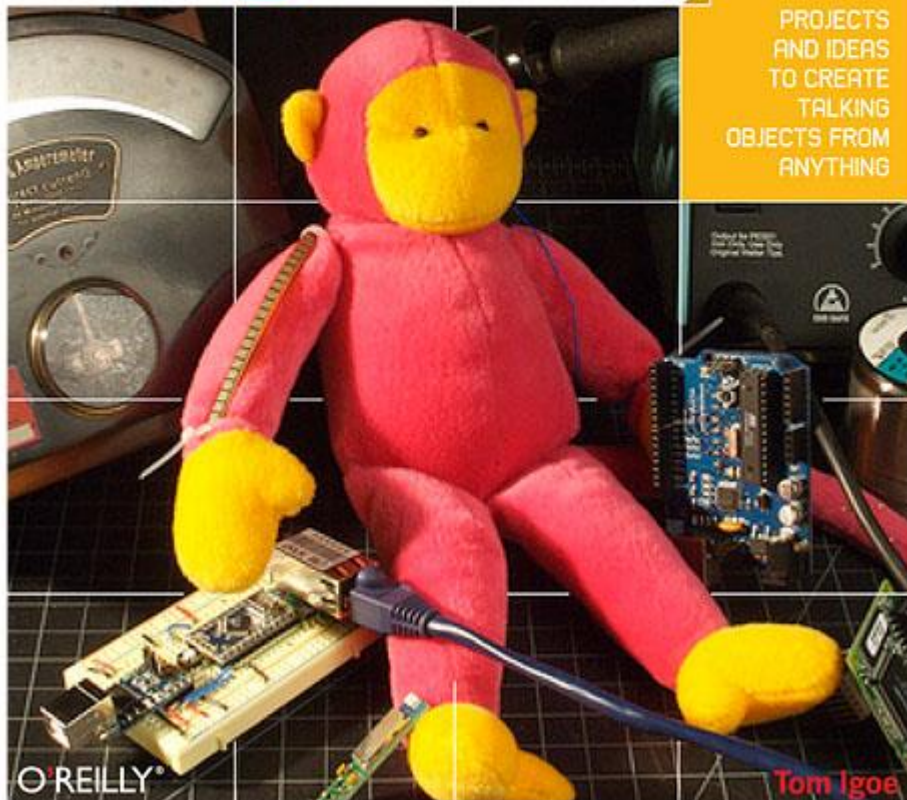Make: Electronics (Learning by Discovery)

Make: PROJECTS

Making Things Talk

Practical
Methods for
Connecting
Physical Objects

PROJECTS
AND IDEAS
TO CREATE
TALKING
OBJECTS FROM
ANYTHING

O'REILLY®

Tom Igoe

Making Things Talk
Practical Methods for Connecting Physical Objects

Making Things Move DIY Mechanisms for Inventors, Hobbyists, and Artists

The Best of Instructables Volume I: Do-It-Yourself Projects from the World's Biggest Show & Tell