

9th Tech Time Rotation 2 Laser Cutter & Electronics Focus

FabFolio Connection:

Safety Quizzes: Soldering, Laser Cutter (additional safety quizzes may be earned)

Electronics MCs: Soldering

Laser Cutting MCs: Laser Cutter Operator, Laser Cutter 3D Designer

Design Challenge: Design and build a lamp/light with non-addressable LEDs and an on/off switch.

[Slideshow](#)

Week 1:

W - Project Overview & Simple Series Circuit review (small paper circuits) & Multimeter practice

TH - Soldering lesson and practice for documenting & earning micro-credentials

F - Complete Soldering and submit Micro-credentials

Week 2:

M - Solder LED strip to jumper cables for prototyping 10 LED long strips for each student

T - Light Project: brainstorm ideas, make a parts list

W/TH - Light Project Build (MakerCase and Corel Draw focus group for laser cutting)

F - Light Project Build

Week 3:

M - Light Project build

T - Light Project build

W/TH - Light Project build

F - Complete Micro-credentials