



Skills

- Laser Cutter
- 3D Printing
- Vinyl Cutting
- Subtractive Milling
- Craft/Sewing
- Electronics/Circuits
- Physical Computing

Next Gen Sci Standards

- MS-PS1- PS4
- MS-LS1-LS4
- MS-ESS1- ESS3
- MS-ETS1
- HS-PS1-PS4
- HS-LS1-LS4
- HS-ESS1- ESS3
- HS-ETS1

Content/Subject Area

- Art
- History
- Sci
- Math
- Language

Based on selections, a formatted sheet is created highlighting the selected learning objectives as well as the best information.

Project Name & Description		Learning Objective: Skills in-> Laser, Craft, Electronic Circuits	
Grade Level: Beginner		Skills to be learned: Laser, 2D, Elect	
Skill-Focused Intro Summary of Project and Resources:		Tools and Materials	
Background info, resources, links:		Pre-Req Skills:	
Project info:			
Project Samples:			
Open Prompts:			
Resource URLs			
Related Projects/Resources: Title, link, page number, etc.	Extended Learning: Links 1 Link 2	Integration: Art, History, Sci NGSS: MS-ESS1, MS-LS-2	

Project Name & Description		Learning Objective: NGSS	
Grade Level: Beginner		Primary Standards: MS-ESS1, MS-LS3	Secondary Standards: MS-PS4, MS-LS5
NGSS-Focused Intro Summary of Project and Resources:		Tools and Materials	
Background info, resources, links:		Pre-Req Skills:	
Project info:			
Project Samples:			
Open Prompts:			
Resource URLs			
Related Projects/Resources: Title, link, page number, etc.	Extended Learning Options: Links 1 Link 2	Integration points: Art, History, Sci. Skills Learned: Laser, 2D, C	

Project Name & Description		Learning Objective: Integration-> Art/History	
Grade Level: Beginner		Primary Content: Art	Secondary Content: History
Integration Focused Intro & Summary of Project and Resources:		Tools and Materials Needed: -Laser Cutter -2D vector software -Electric paper circuit material set.	
Background info, resources, links:		Pre-Req Skills: -2D drawing knowledge -2D vector software (inkscape, AI)	
Project info:			
Project Samples:			
Open Prompts:			
Resource URLs			
Related Projects/Resources: Title, link, page number, etc.	Extended Learning Options: Links 1 Link 2	Suggested Next Project: -Squishy Circuits -Pg 112 -Paper Lamps -Pg 33 -Interactive Art -Pg 219 -Time for change -Pg 37	