Google Forms

Thanks for filling out
Physical Prototyping Skills Self-Assessment

Here's what was received.

Physical Prototyping Skills Self-Assessment

Please take the time to thoughtfully assess your skills as they relate to design thinking, prototyping, analysis, fabrication, teaming, and communication.

Email *

alec_malcangio@mines.edu

First Name (your preferred name) *

Alec

Last Name *

Malcangio

Indicate your level of experience and comfort with the following skills: *

	I have no experience with this skill - plenty of room for improvement	I have limited experience with this skill - room to grow	I have a lot of experience - comfortable working in this space	I have an abundance of experience - comfortable teaching this skill
Empathizing with others	○	◉	○	○
Experimenting with ideas	○	○	◉	○
Experimenting with materials	○	○	◉	○
Working in a team	○	○	◉	○
Learning from others	○	○	◉	○
Sharing knowledge with others	○	○	◉	○
Thoughtful	○	○	◉	○

regarding the impacts of design	○	○	◉	○
Exploring how and why things work	○	○	○	◉
Iterating on ideas that work "Fine" but could be "Better"	○	○	○	◉
Open to new ways of thinking	○	○	◉	○
Open to multiple potential solutions	○	○	◉	○
Communicating ideas to a wide audience (often non-engineers)	○	○	○	◉
Visual communication	○	○	○	◉
Verbal communication	○	○	○	◉
Collaborating on idea generation	○	○	◉	○
Repurposing existing solutions for new problems	○	○	○	◉
Managing my time	○	○	◉	○
Completing projects as I initially intended	○	○	◉	○
Using hand tools	○	○	○	◉
Technical sketching	○	○	◉	○
Prototyping with				

	Col 1	Col 2	Col 3	Col 4
Prototyping with cardboard	○	○	○	◉
Fabricating with wood	○	○	○	◉
Fabricating with metal	○	○	◉	○
3D printing	○	○	○	◉
Computer-aided drafting (CAD)	○	○	○	◉
Using math to make design decisions	○	◉	○	○
Testing and experimenting to make design decisions	○	○	◉	○
Creating circuit diagrams	○	◉	○	○
Wiring circuits	○	○	◉	○
Using microcontrollers	○	○	◉	○
Integrating multiple components (mechanical, electrical, CS, etc.) into functional systems	○	○	○	◉
Creating functional prototypes	○	○	◉	○