

CPX Projects - create your own project

What does tinkering and making look like, and why exploring and playing leads to learning and having fun: <https://vimeo.com/108510038>

Project 1 - Individual

Discussion: What parts of the CPX interested you the most?

What features would you like to use?

Get inspired by one of these projects

<https://makecode.adafruit.com/courses/maker/projects>

Bike glove: <https://learn.adafruit.com/circuit-playground-bike-glove>

- Learning takes place while exploring on your own
- Learning happens from mistakes - try it in a different way, or read the error message, try a new version, iterate on designs and code

Share ideas for your project with a small group

Design Process:

Brainstorm -

which inputs/outputs do you want to use?

What is the purpose of the device?

Design / plan -materials and tools?

Program / make

Test / iterate

Project 2 -Working with others in the room

Explore the network blocks -infrared send and infrared receive blocks

Activity: Guess other people's numbers:

- Everyone gets a unique (secret) number between 1 - # of people in group.
- Write code that will send your secret number to another person.
- In the same program, write code to receive someone else's number -and figure out which number everyone has.



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