Logo Summer Institute 2020

a virtual immersion in creative computing
July 20-31, 2020

Equipment and materials for physical computing and robotics

In past years the Logo Summer Institute has provided access to a wide variety of physical computing platforms and robotics systems. This is not possible with the virtual format of the 2020 workshop. We will continue to support a range of platforms and are prepared to work with you using whatever you have. We will also utilize newly available remote and virtual robot programming platforms.

We strongly recommend that you obtain a micro:bit and a Makey Makey. These devices offer a good experience with the basics of physical computing. They are relatively inexpensive, work well with Scratch and other programming languages. Beyond these two platforms, there are many options.

Circuit Playground Express is another low-cost microcontroller board that we suggest and will use in the workshop. Hummingbird Bit provides a more comprehensive experience with robotics.

Additional systems that we support include:
- Wearable Computing with Lilypad and Turtlestitch
- Robots that require no building, just programing – BeeBot, Finch
- Self-contained robotics packages – VEX, LEGO WeDo, EV3, and Spike Prime,
- Arduino is a widely used family of microcontrollers
- Raspberry Pi is a small, inexpensive computer