



ABC CREATE Hummingbird Training

Arts & Bots with Micro:bit Adapter

Monday, August 6, 2018

8:30 AM – 3:30 PM

Penn State New Kensington

Eligible for ACT 48 credits

Lunch will be provided!



New for everybody! This Arts & Bots training session will introduce the Micro:bit Adapter and MakeCode to both brand new and experienced Hummingbird users.

Session designed for teachers of grades 4 – 12. Participants may invite their child(ren) in grades 4 – 12 to attend along with them.

Presented by Kelsey Derringer of Birdbrain Technologies, this workshop will highlight a framework for a robot petting zoo project (as a sample) and will also lay groundwork for teachers who may be interested in cross-district projects using Hummingbird.

Before Lunch

- Intro to Arts & Bots/Hummingbird
- Learn basics of MakeCode
- Lights, Motors, Sensors
- Begin Arts & Bots Build

After Lunch

- Continue Arts & Bots Build
- Cross-over to Scratch for those using Duos (Option)
- Mechanism Blitz (Option)
- Radio Blitz (Option)
- Arts & Bots Planning Tool



What to Expect

- Complete an Arts & Bots Build.
- Gain an understanding of micro:bit and MakeCode.
- Hummingbird Duo kits and craft materials will be supplied. You are welcome to bring your own materials.
- Learn how others have integrated Arts & Bots in to their classrooms.
- Enhance capacities for building and coding (no matter what your experience level may be).

