

STEM

Introduction to Robotics

3, 4, 5, 6

Materials per student:

1 Hummingbird premium kit

1 computer, chromebook or tablet

Each student will become familiar with the contents of the hummingbird kit, see examples of projects, and learn how to use/utilize the components of the kit. Also, students will learn how to program a single LED light.

Share Introduction to Robotics slideshow and show examples of projects from makecodemicrobit.org.

After students learn about the kits, view the slideshow and see samples, each student will use their kits to program LED light and program other components of the kit for the remaining hour.

*PLEASE NOTE: You will need 7-10 minutes (depending on the grade) to clean up kits and check to make sure all the components are put back in their designated compartment in the kit. Be sure to check the battery packs and clear all the programming so that the kits are ready for the next class period.

**If you have extra time, students can share their projects and ideas with the class. If you only have a minute or two, have them do a "hands up stand up and pair up" and share their ideas and successes.