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| Title | Arduino Activity - Bootcamp |
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| Approved By |  |

***Introduction:***

The Arduino activity is an engaging task for the future students of Lassonde School of Engineering programs. Its importance lies in the exposure to a collaborative lab experience that blends both the software and the hardware focus. As a result, the incoming students are given an opportunity to bridge the gap between high school and University with a unique preview into some common basic concepts within their respective programs.

***Purpose:***

To outline the general procedures that should be followed when running the Arduino activity before, and during Bootcamp days.

***Procedure:***

Before the Bootcamp days:

**\*** Run-through the activity, testing and debugging any issues that can be found, making sure that there is the best chance of smooth execution on the day of.

**\*** Keep bootcamp folder on shared thumb drive up to date with all the necessary files including presentation, student template code, completed solution code, and any other miscellaneous requirements.

**\*** Ensure that all physical materials for the activity prepared are accounted for, and neatly condensed in a bin in accordance to the estimated expected number of students.

During the Bootcamp days:

**\*** Based upon the expected number of students, grab the correct number of laptops from the safe, assuming every group will be responsible for one laptop.

**\*** All kits need to be setup on desks and reset prior to student arrival.

**\*** At the time of student arrival, give prepared presentation for a preface to the activity and for instructions.

**\*** For the remainder of the activity, walk around the room answering any questions and checking in with each group sporadically.

**\*** At the end of the day, collect all kits and organize them back into their bin. Take extra care that the room is left tidy and clean, and that upon exit, the room is locked up and the key is returned to whomever is responsible for it.

**\*** Return all laptops to their safe and leave all materials in the Bootcamp office.