

IN THIS WORKSHOP, OFFERED VIRTUALLY, LEARNERS WILL BE INTRODUCED TO CODING WITH RANDOM GENERATORS AND ARRAYS WITHIN MICRO:BIT CLASSROOM. THIS WORKSHOP WILL FAMILIARIZE YOUR STUDENTS WITH CODING WITHIN THE MICRO:BIT CLASSROOM, OPENING THE OPPORTUNITY FOR YOU TO CONTINUE USING MICRO:BIT LESSONS WITH YOUR CLASS, WITH OR WITHOUT PHYSICAL MICRO:BITS.

AT LEAST 1 WEEK PRIOR

- Ensure classroom is properly configured and equipment will be available for students (see class configuration below). Science World staff are available to test set up if needed, please contact techup@scienceworld.ca to schedule this.

CLASS CONFIGURATION

- In-class students: only one computer will connect to the online learning platform. This computer should be connected to the classroom projector and to an audio system in the room, so students can see and hear the facilitator.
 - If permitted: your camera should also be facing the students so the facilitator can see them. This helps us gauge their engagement and understanding.
- Remote students: they will need to connect to the online learning platform from their location and have an understanding of how to switch between separate program windows on their device.
 - Alternatively, they can use two devices – one to log on to the online learning platform and one to do their coding on
- Each student will need a device connected to the internet, with a webpage open and ready to login to the session at <http://microbit.org/join>
 - Specific classroom joining details and PIN will be provided by the facilitator **during** the workshop
- Science World will **not** record the session.

MICRO:BIT PREPARATION

- If your learners are new to micro:bit classroom, you can show them this [9 minute video](#) with details on joining a session, coding the micro:bit in the classroom session, and using the simulator to test your code.

- We do **NOT** recommend using physical micro:bits for this session; because of the complexity of downloading the code and the time we have with your class, it is very difficult to virtually teach learners how to download their code and troubleshoot any issues that come up as well as get through all of the workshop content. We prefer to focus our time on teaching the coding skills and encourage your learners to practice downloading code at a different time.

DURING THE WORKSHOP

- Log on to the online learning platform 10 minutes prior to the scheduled start time.
- Provide an updated participant count to the facilitator.
- Once shared by the facilitator, post the micro:bit classroom joining details somewhere that students can reference back to if they log out of the coding session
- Provide moderation between students and facilitator (make sure students are on task and communicating with facilitator as needed throughout).