

Setting Up MakeCode Classroom

**Material(s):**

* Computer with internet access

**Time allotment:**

* 30 minutes

**Alignment with CODERS module(s):**

(BLANK)

**MLS Standards:**

4.DA.S.01 Choose different storage locations (e.g., physical, shared, cloud) based on the type of file, storage requirements (e.g., file size, availability, available memory) and sharing requirements.

**Teachers:**

* Search “Microbit classroom”
  + “classroom.microbit.org” as the url
* A page will pop up, with a section saying “Set up your classroom”
  + Name your activity
  + Select “MakeCode” as the language
* There should now be a What next? Page, where it offers four informational tabs which will highlight how to use the classroom dashboard and how to get students started
  + 1. Complete code set up
  + 2. Share joining details
  + 3. View students’ work live
  + 4. Save classroom file
* Using the “Dashboard” you can invite students
* They will use the generic url **microbit.org/join** and then use *your classroom name* and *pin*
  + The class name will be emojis, a color, an animal, a vehicle, and an object
  + The pin will be 6 numbers
  + This is required for students to log in *every time you use makecode*
* Once a student has joined, they will enter their name and be directed into a blank program.
* To log back in, students will do the same thing as before; microbit.org/join, class name, class pin
  + The name and pin ***will each session***, so make sure to *open the dashboard every time*
  + It will pull up their previous work IF cookies are not deleted from school computers at night
    - To ensure their work is saved, see below
* When a student has successfully joined, the teacher will be able to view live progress by selecting the student at the bottom of the dashboard screen
* **To save student progress:** On the task bar on the main screen there is a “Save Classroom” tab
  + Select this
  + Then “download classroom html file”
  + Following this link again will re-load the activity students were doing, restoring the old program.
  + **After downloading** the html file, it is important to **rename it**. It will save as a series of numbers, which is not helpful.
    - Go to Files > Downloads
    - It should be the top option, the most recently downloaded
    - Hover over the name and left click
    - Select “Rename” and title the activity something you will remember
      * For example, LED 1st period, or class A and the current date
* Ending the session will automatically close all student’s project windows.

**Guided Practice (We do):**

* All students go to “microbit.com/join”
* Input the classroom name and PIN given on the teacher’s Dashboard
* Add the student’s name to the class, and enter the classroom

***Notes, Reflections, Attachments***

* See the PowerPoint presentation titled “MakeCode Classroom” for more detailed steps with image guides