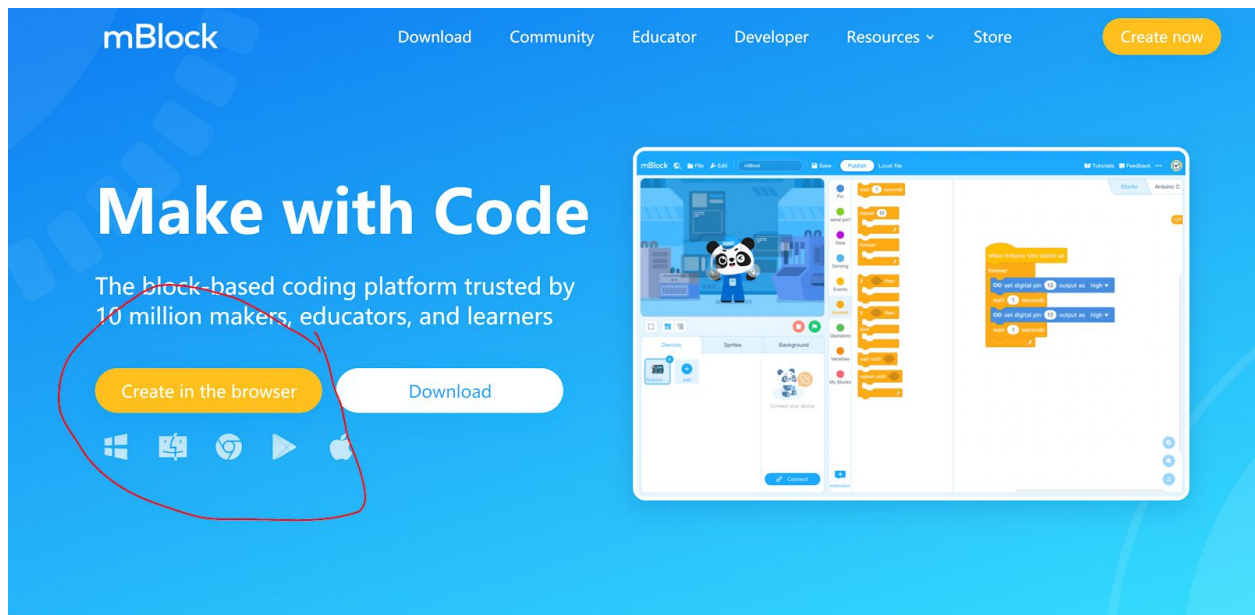


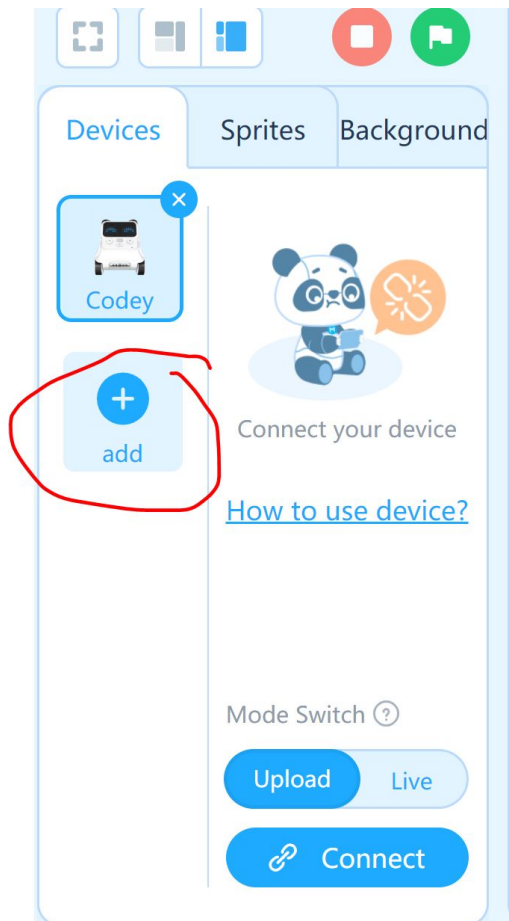
mBlock Set Up Guide for BrainCo STEM Hand

Step One

First go onto the mBlock homepage <https://www.mblock.cc/en-us> and click on “create in the browser”

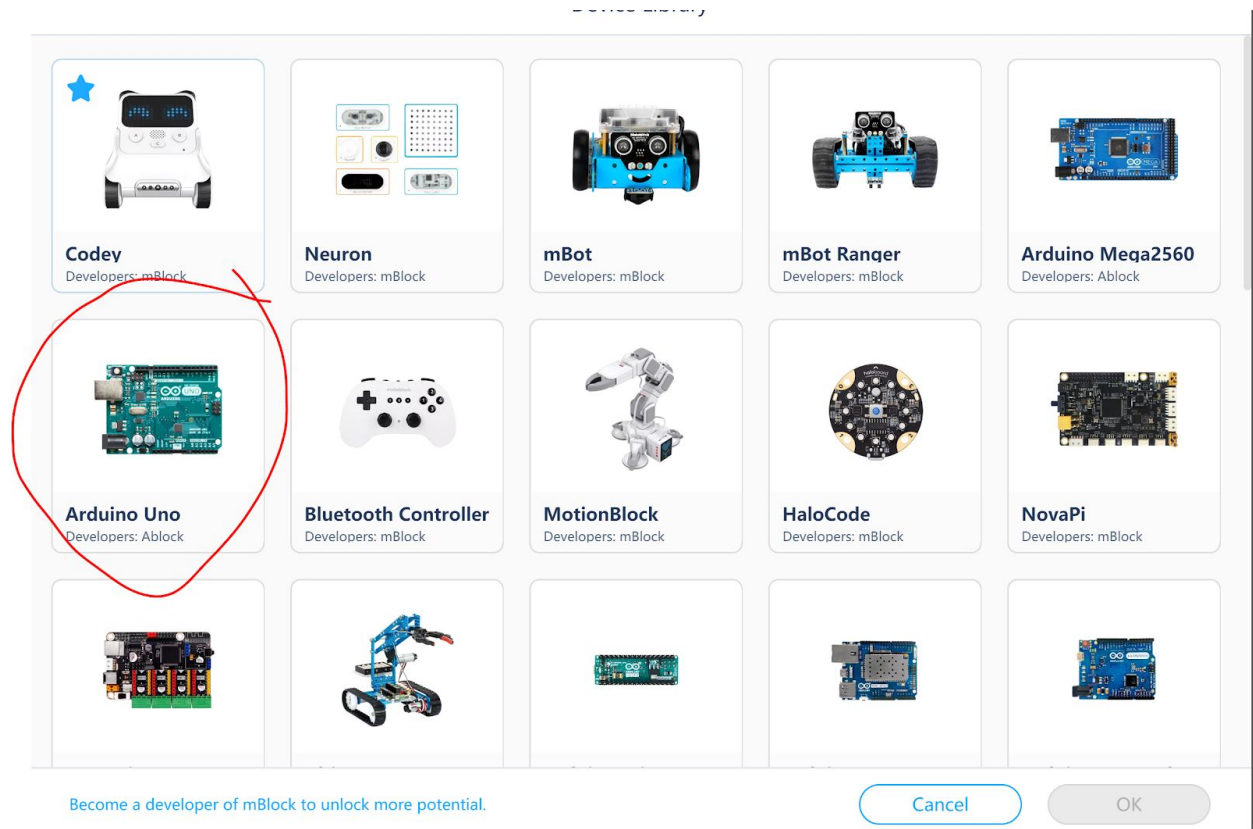


Step Two



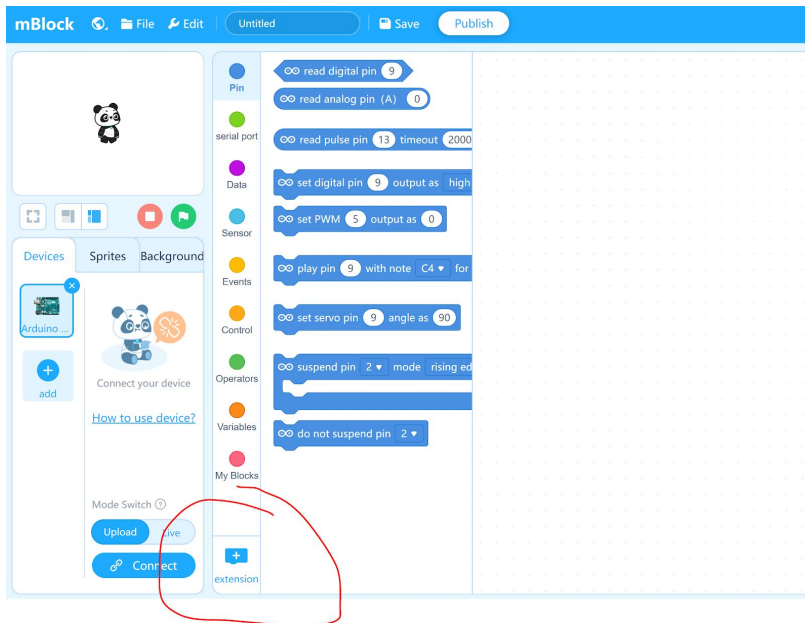
Then in the left hand window, click on the add device button

Step Three



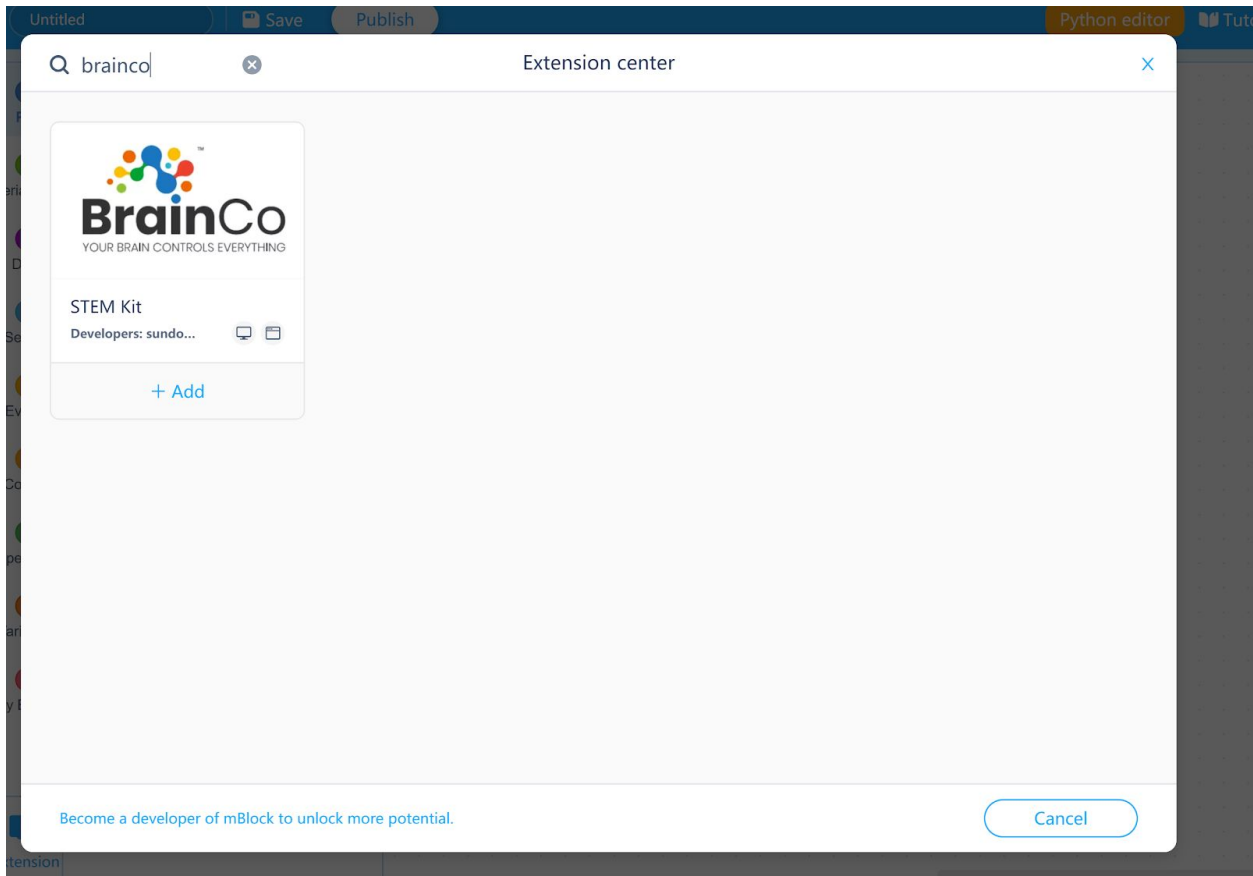
Next, a screen of different compatible devices should appear. If nothing but “Codey” appears, try clicking on the blank screen. Click on the Arduino Uno icon and then click ok on the bottom right hand of the screen.

Step Four



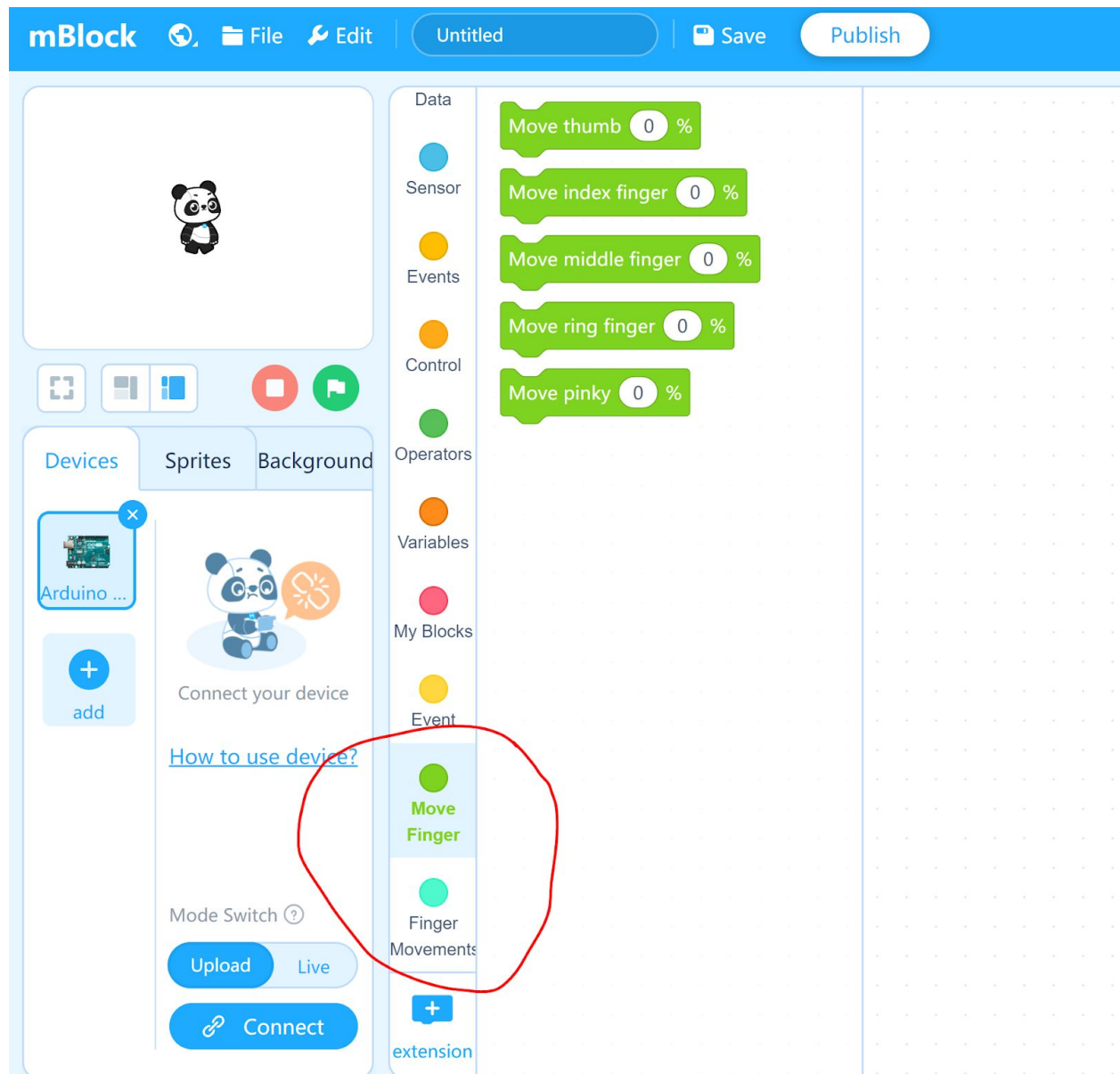
Click on the arduino uno icon so that it is selected with a blue line. Then click on the extension button near the bottom of the left hand side.

Step Five



When a selection box appears, search “Brainco” in the top hand search bar. The above icon should appear with the words “STEM Kit”. Click on the blue add button below the icon.

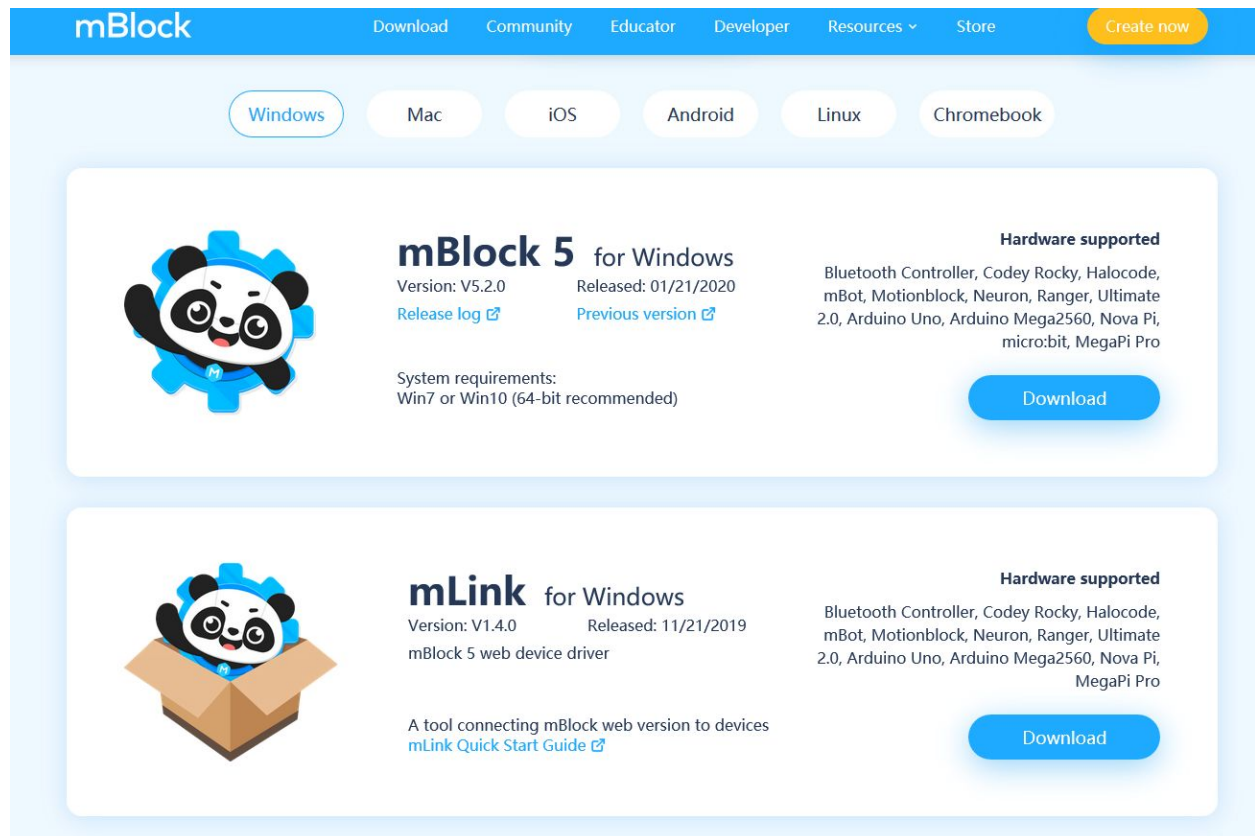
Step Six



The screenshot shows the mBlock software interface. At the top, there is a blue header with the mBlock logo, navigation icons for File and Edit, and buttons for 'Untitled', 'Save', and 'Publish'. The main workspace is divided into several sections. On the left, there is a 'Devices' panel with an 'Arduino ...' device and an 'add' button. Below it, there are 'Upload', 'Live', and 'Connect' buttons. The central area features a panda character and a 'How to use device?' link. On the right, there is a 'Data' panel with a list of categories: Data, Sensor, Events, Control, Operators, Variables, My Blocks, Event, and Finger Movements. The 'Finger Movements' category is highlighted with a red circle. To the right of this panel, there is a list of movement blocks: 'Move thumb 0 %', 'Move index finger 0 %', 'Move middle finger 0 %', 'Move ring finger 0 %', and 'Move pinky 0 %'. The main workspace on the right is a large grid area.

After you have successfully added the extension, you will see the “Move Finger” and “Finger Movements” categories. These categories will add the right side movement blocks that you can use to program your hand!

Step Seven



The screenshot shows the mBlock website's download page for Windows. The navigation bar includes links for Download, Community, Educator, Developer, Resources, Store, and a Create now button. Below the navigation bar are tabs for Windows, Mac, iOS, Android, Linux, and Chromebook. The main content area features two product cards. The first card is for mBlock 5 for Windows, version V5.2.0, released on 01/21/2020. It includes a release log link and a previous version link. The hardware supported list includes Bluetooth Controller, Codey Rocky, Halocode, mBot, Motionblock, Neuron, Ranger, Ultimate 2.0, Arduino Uno, Arduino Mega2560, Nova Pi, micro:bit, and MegaPi Pro. The system requirements are Win7 or Win10 (64-bit recommended). A blue Download button is present. The second card is for mLink for Windows, version V1.4.0, released on 11/21/2019. It is described as an mBlock 5 web device driver. The hardware supported list is the same as for mBlock 5. A blue Download button is also present.

Go to <https://www.mblock.cc/en-us/download>

And then you can select the operating system that you are currently using and download the mLink accordingly. After you successfully installed the mLink program, make sure mLink is running every time you need to connect the device onto the mBlock on your browser. After you finished all the steps above, you should be able to load

