## OVERVIEW

In this experiment, we will install and setup the Arduino software. There are two different versions of the Arduino Integrated Development Environment (IDE).

1) Arduino Create web browser Online IDE.
2) Arduino IDE software for Windows, Mac and Linux.

## OUTCOMES

By the end of this activity you will be able to:

- download the Arduino Development Software.
- use the Arduino Create web-based development environment.
- Modify a program variable
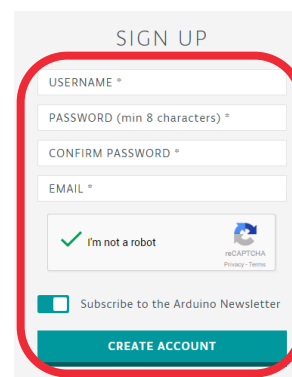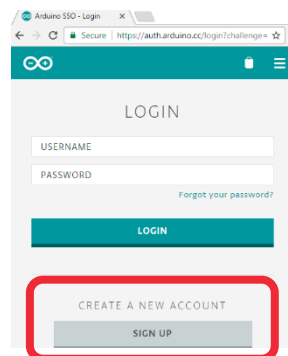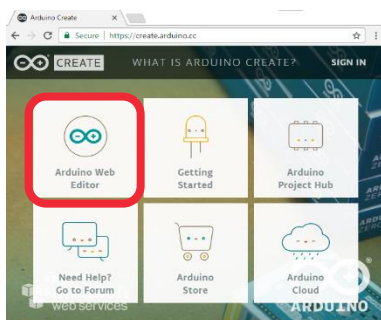
## REQUIREMENTS

- Arduino-Compatible board
- 321Maker Things Shield
- USB Cable
- Arduino Software or a web browser with the Arduino Create plugin installed.
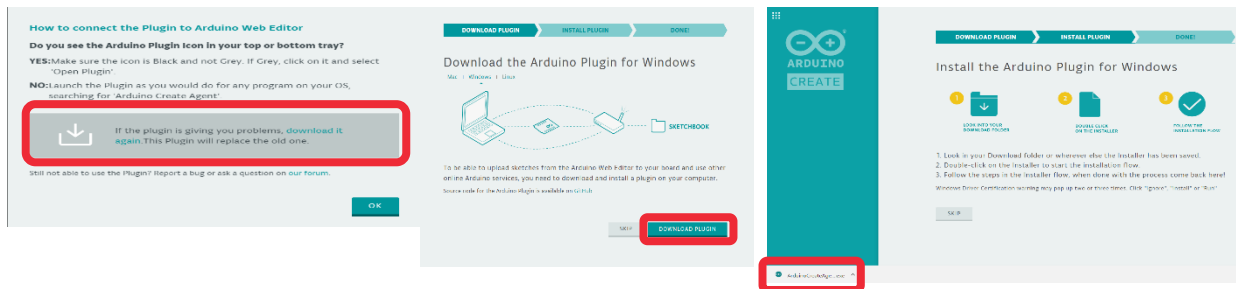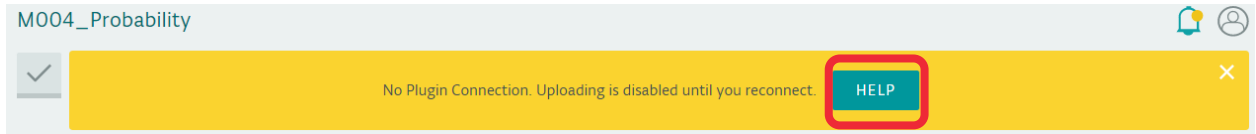
## PREREQUISITES

- None

## LEVEL 1A PROCEDURE – SETTING UP ARDUINO CREATE (ONLINE WEB-BASED IDE)

☐ Open a web browser, go to http://create.arduino.cc click on the **"Arduino Web Editor"** button. If you don't already have an Arduino account you can register one, and login with your account.
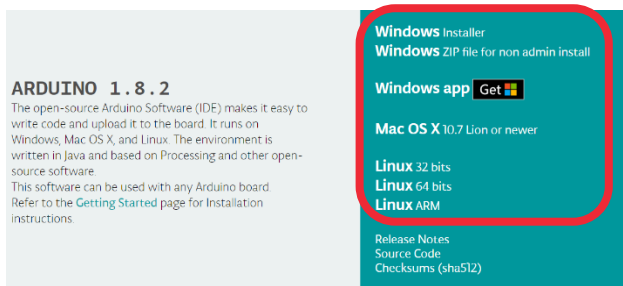
☐ If you see a message like this. You need to install the plugin. Click Help to start the process of installing the Arduino Create plugin.



☐ Click on the links outlined in red above to download the Arduino Create plugin.

☐ Start the installation of the Arduino Create plugin and accept the defaults.

## LEVEL 1B PROCEDURE – INSTALLING THE ARDUINO IDE

☐ Open a web browser and go to: https://www.arduino.cc/en/Main/Software

☐ Click on the link for the correct installer for your operating system, then click just download. Unless you wish to make a donation to the Arduino foundation. ☺



☐ Once the software is downloaded launch the installer for your operating system.

☐ Accept the defaults for your installation. (Keep clicking next).