Second Week demo

3) How to run CCS
Check out Projector if needed or use the one in the room
Make sure your Laptop can connect to the HDMI (female) outlet in the wall.
Download and unzip and import many MSPM0 projects within the student's working area
Example code in **MSPM0_ValvanoWare** directory, but this folder can be moved
Open the **OutputToggleAsm** project, show the windows, build, run on board
Watch window, single step

4) How to run Lab 1
Open the **ECE319K_Lab1** project
Add EID to ECE319K_Lab1.s, build, run on board
BE SURE to explain 'Phase' selection
Put a breakpoint at Lab1:
Watch window, single step

Show them:

1. How to open Terminal Window
2. How to observe registers
3. How to observe input array in Memory window
4. How to set/remove breakpoints
5. Step, stepover, stepout
6. Reset button
7. Show that pausing execution shows what line is executing (useful to see if you crashed)
8. Window->Perspective->ResetPerspective

5) General questions they will want to discuss
Discuss Late Checkout Policy
Start looking for partner, make friends
How to buy a board
How to install CCS on a Windows machine
How to install CCS on an M1 Mac

6) Explain that Lab 1 and 2, 3 are performed without a partner. Labs 4-9 must be with the same partner.

Demo **OutputToggleAsm**

1) Experiment with single stepping features
   - **Reset**
   - **Step over** until LED comes on

2) Experiment with step over features
   - **Reset**
   - **Single step over** until LED flashes

3) Experiment with break point features
   - **Reset**
   - **Click on the assembly line that outputs to LED, and insert a breakpoint**
   - **Run** (notice it stops)
   - **Run** (notice it stops)

4) Experiment with embedded system mode features
   - Disconnect power to the board
   - Apply power to the board