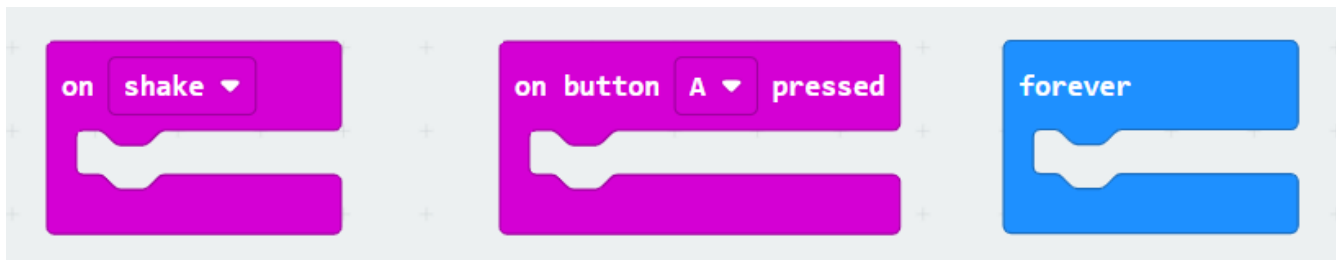
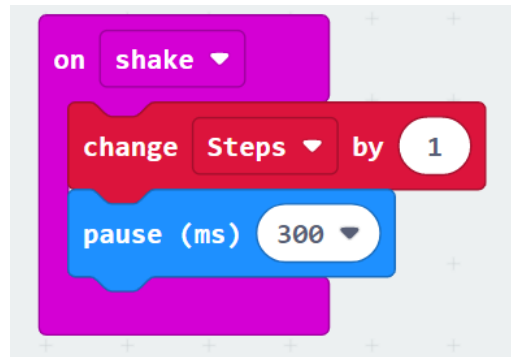


Pedometer – Coding Guide

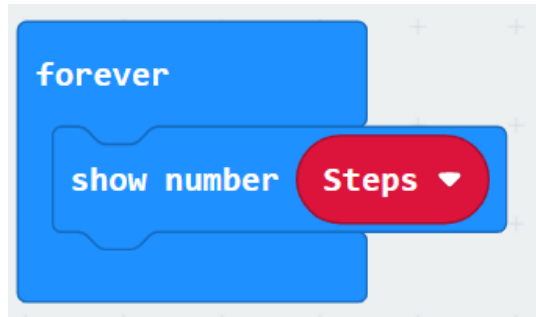
- Make sure your micro: bit is connected following their official guide:
<https://microbit.org/get-started/first-steps/set-up/>
- Get students to remove the “**On Start**” coding block by dragging and dropping it over the coding tabs on the lefthand side.
- Under the **Input tab**, grab a “**On button A pressed**” and a “**On shake**” coding block.



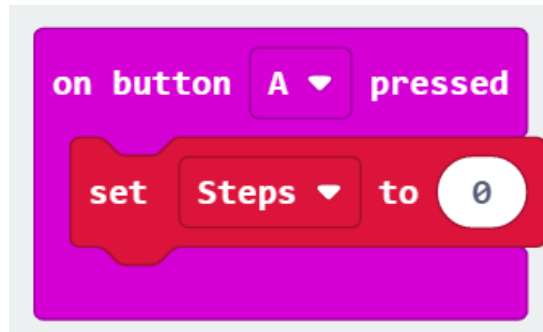
- Have students create a variable by clicking on the **Variables tab** and selecting **Make a Variable**. create a variable and have students name it “**Steps**”.
- In the “**On shake**” block drag and drop one of the “**Change Steps by 1**” block from the **Variables tab**. Once our code is complete, the Micro: bit will detect movement and increase the students’ step count.
- From the **Basics tab** grab a “**Pause (ms) 100**” block and drag and place it at under your “**On shake**” block. Change the time from **100** to **300** milliseconds.



- In the **Basics tab**, grab a “**Show number 0**” block and place it in your “**Forever**” loop.
- Under the variables tab grab a “**Steps**” block and drag and drop it in place of the **0** in the “**Show Number 0**” block.



- Under the **Variables** tab, grab a “Set Steps to 0” block. Drag and drop it into your “On button A pressed” block.



- Make sure your micro:bit is connected and click DOWNLOAD and now your students have a working Pedometer!

