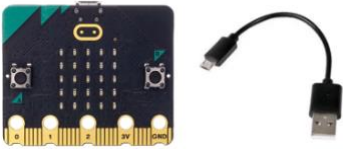
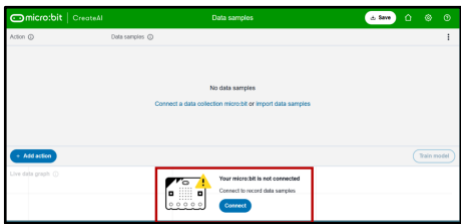
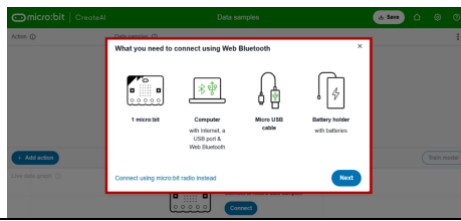
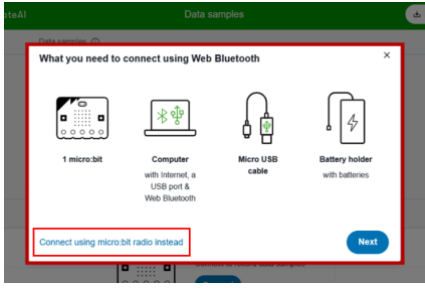


Use the instructions and screenshots below to support your demonstrations in class.

1. OPEN THE AI EXERCISE TIMER PROJECT

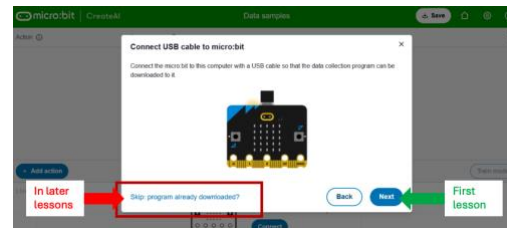
To open the 'Simple AI exercise timer' project directly in micro:bit CreateAI, go to your web browser (Chrome or Edge) and type the following into the address bar:	mbit.io/exercise-timer-ai
Then add your name(s) to the project name before selecting 'Open project'.	

2. CHOOSE CONNECTION FLOW FOR MICRO:BIT CREATEAI

You will need a micro:bit V2 and a USB cable. If Bluetooth is not available on your computer, you will be prompted to use a second micro:bit as a radio bridge.	
Follow the connection instructions at the bottom of the screen.	
If Bluetooth is available, you will use the Web Bluetooth connection flow.	
If Bluetooth is not available, you must select 'Connect using micro:bit radio instead'.	

3. DOWNLOAD THE 'DATA COLLECTION' PROGRAM

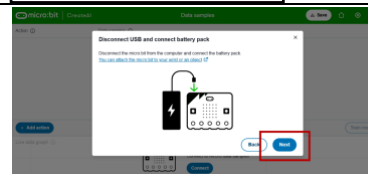
You will be prompted to connect a USB cable to download the 'data collection program' to your micro:bit. In later lessons, **if the program is still on the student micro:bits**, you can encourage your students to skip this step.



To download the program, make sure you select the text that says 'BBC micro:bit' that appears in the pop-up window – once you select it, it will be highlighted and the connect button will become available so you can continue through the flow.

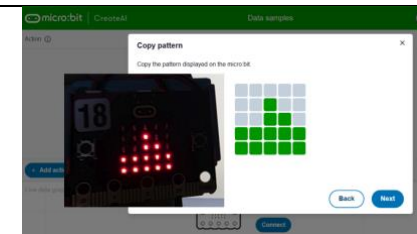


Once the program is downloaded, you will be prompted to disconnect the micro:bit from the USB cable and attach a battery pack.

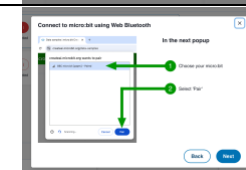


4. PAIRING YOUR MICRO:BIT USING BLUETOOTH OR RADIO

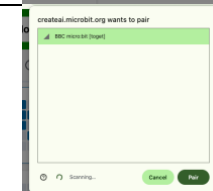
If you see the 'copy pattern' instruction, it should match the LED display on your micro:bit. If it doesn't match, you need to select where you want the green boxes to appear on each column – the boxes will appear/disappear depending on where you click/select on each column.



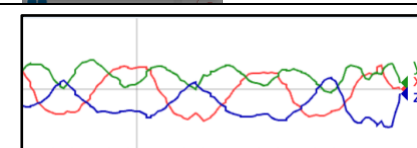
Follow the on-screen instructions to pair your micro:bit with CreateAI.



Select the text that says BBC micro:bit in the pop-up box, then select 'Pair'.



You will know you have successfully connected when you see the live graph appear at the bottom of the screen – make it move with your micro:bit!



5. WEARING OR POSITIONING THE MICRO:BIT

Once the 'data collection' program is on your micro:bit you can disconnect it from the USB lead (if you were using one) and move freely.

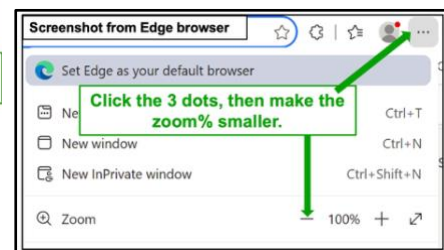
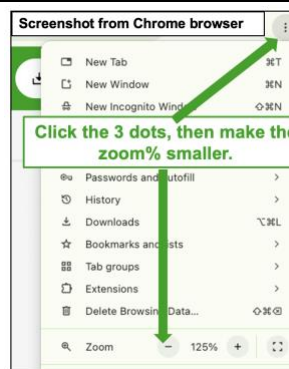
If you have a micro:bit wearable strap you can watch a video on how to assemble it at [mbit.io/ai-wearable](https://microbit.io/ai-wearable). If you do not have a strap, make sure you hold the micro:bit in the same position while working on your CreateAI project



6. WORKING ON THE DATA SAMPLES PAGE IN CREATEAI

Viewing data samples

Zoom out on your browser window to see more rows of data, so you can compare and clean your data samples.



Record or delete data samples

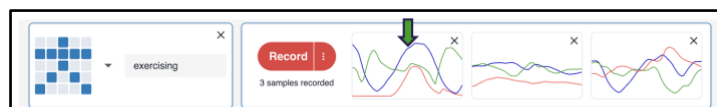
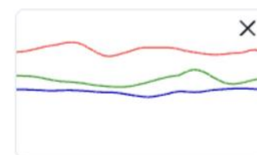
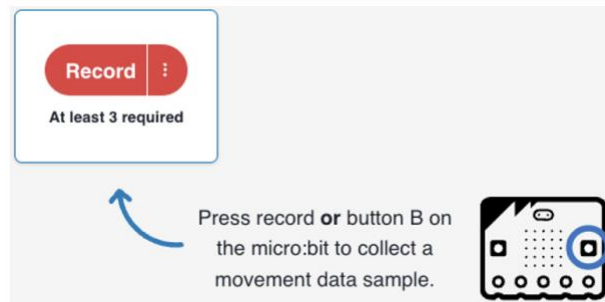
Select the action you want to add data for, and the 'Record' button turns red.

When you select record, you will get a 3 second countdown before a 1 second recording begins.

You can also press button B on the micro:bit to start recording a data sample.

If you need to delete a data sample, select the x in the top right of the sample.

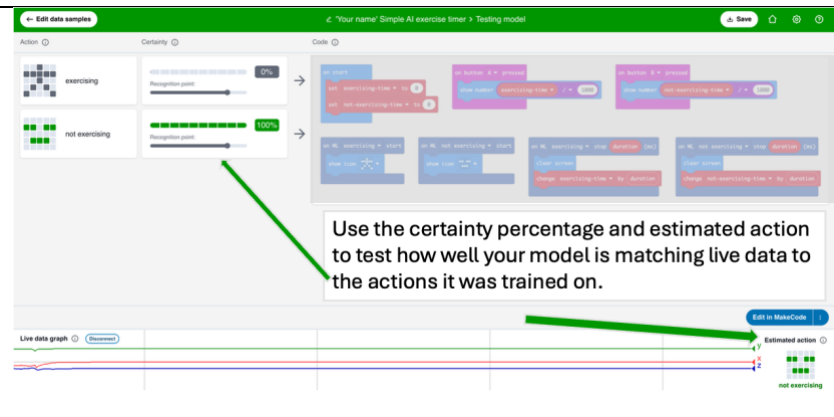
Your new samples will appear on the left next to the Record button.



7. WORKING ON THE TESTING MODEL PAGE IN CREATEAI

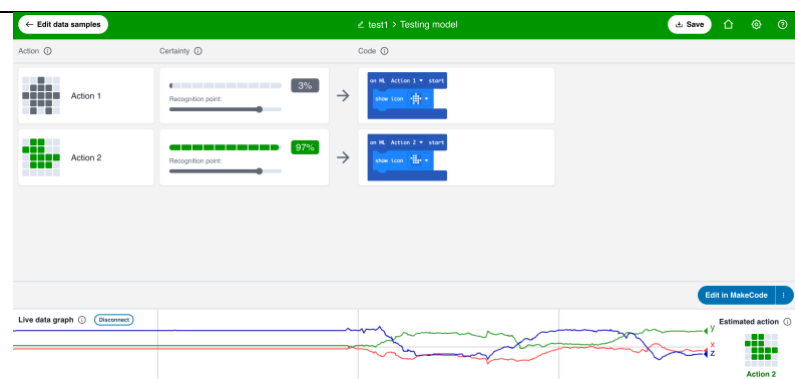
Use the certainty percentage and estimated action to test how well your model is matching live data to the actions it was trained on.

There may be a slight delay before CreateAI responds.



If your project includes code, you will see a preview of these blocks.

When you start from a new project, CreateAI always shows a preview of the ML blocks for each action.



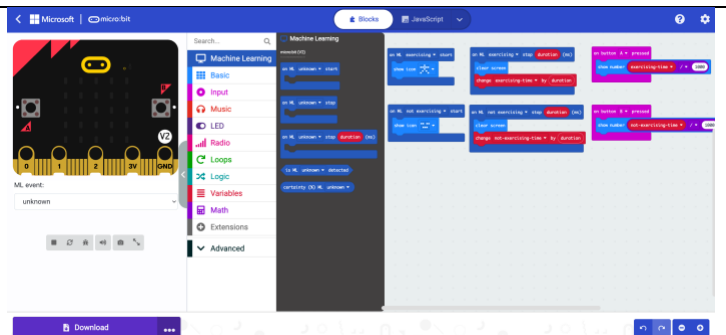
8. WORKING ON THE MAKECODE PAGE IN CREATEAI

The special version of Microsoft MakeCode within CreateAI includes a Machine Learning section in the Toolbox.

You can return to CreateAI at any point by using the white arrow in the top left corner.

Save your project from MakeCode using the 3 dots next to the Download button.

Your micro:bit remains connected by Bluetooth to CreateAI while you are in the MakeCode page, but does not trigger any actions. To test your code, use the drop-down menu on the simulator.

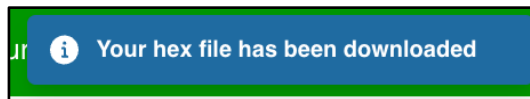
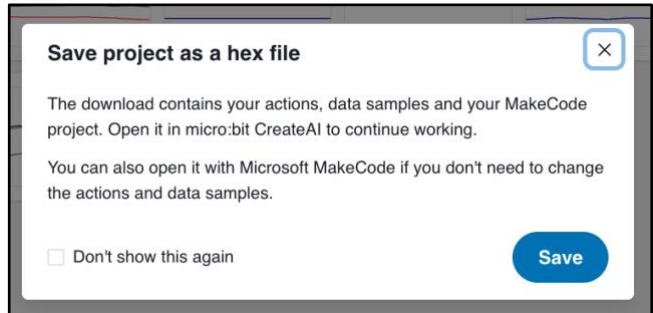


9. SAVING PROJECTS IN MICRO:BIT CREATEAI

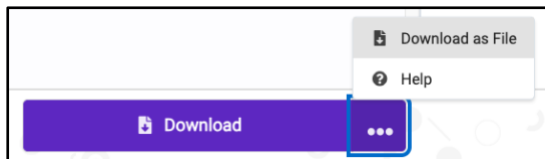
Make sure you save your CreateAI project in a location you can access again, using a meaningful and unique name.



Downloading a hex file is the most reliable way to save work. A project saved as 'Hana' will download with the filename 'microbit-Hana.hex'.



To save your project when you are in the MakeCode page within CreateAI, select the three dots on the download button and select 'Download as File'.



10.DATA AND MICRO:BIT CREATEAI

You can answer questions about how data is used or shared in CreateAI by visiting the [micro:bit CreateAI page](#) or selecting the in-tool information icon on the data samples page.

Safe for children



The tool doesn't store or share any personal data and is non-generative, so children will not stumble onto inappropriate content.

Data samples

Data samples ⓘ

Short collections of movement data lasting 1 second. Your data samples are only stored on your computer, they do not get sent to anyone else.