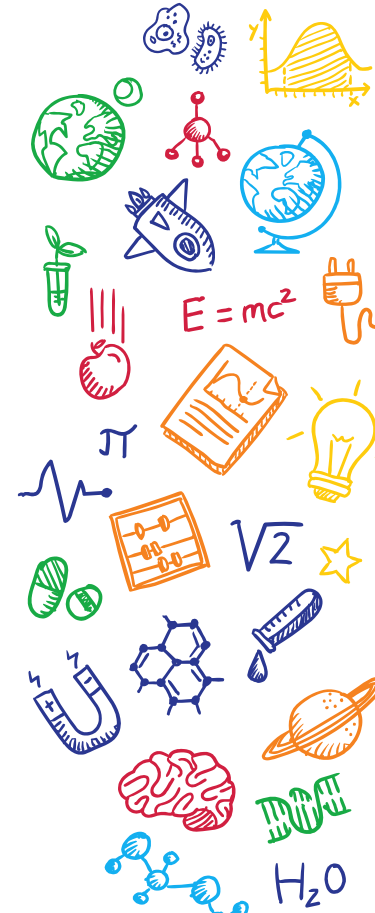


Home Automation using Voice Commands

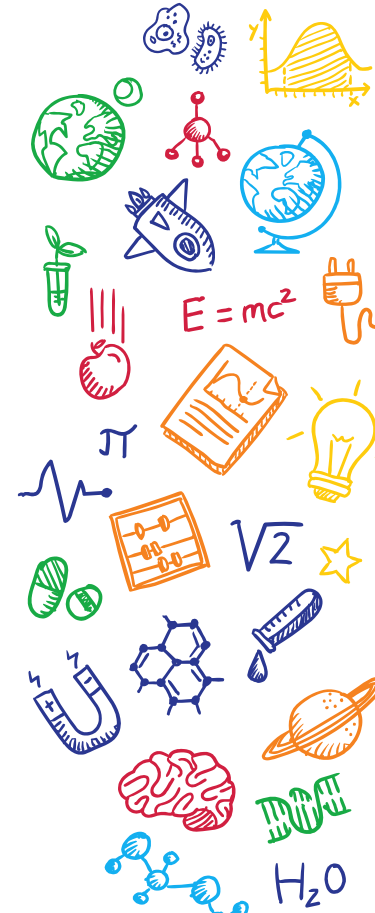


Light control using voice commands



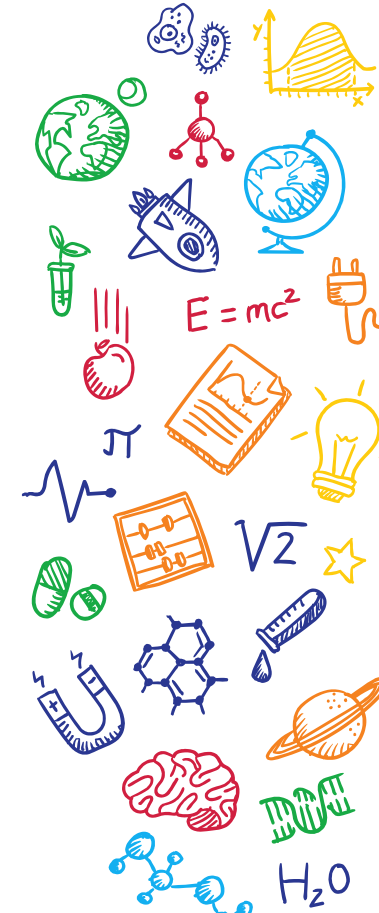
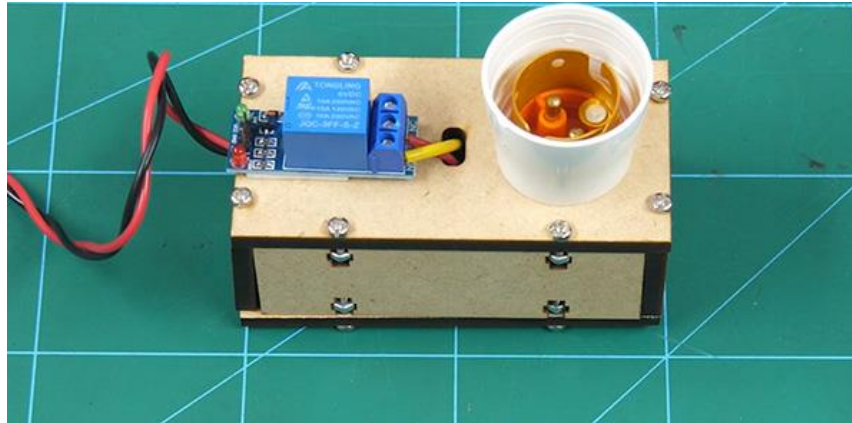
What will you do?

- In this activity, we are providing you a microcontroller (evive), a relay module, a built bulb circuit and a Bluetooth module.
- You have to perform the following activities
 1. Connect relay to evive.
 2. Make a code for voice command controlled lights in PictoBlox.
 3. Upload the code onto evive.
 4. Test the project and enjoy 😊



Bulb Circuit

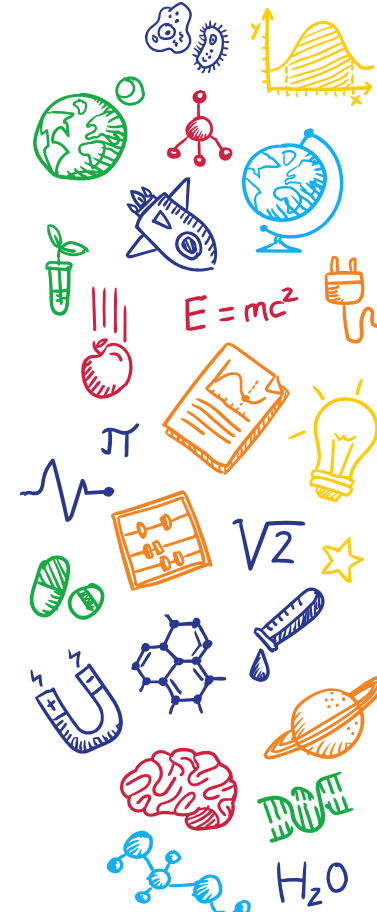
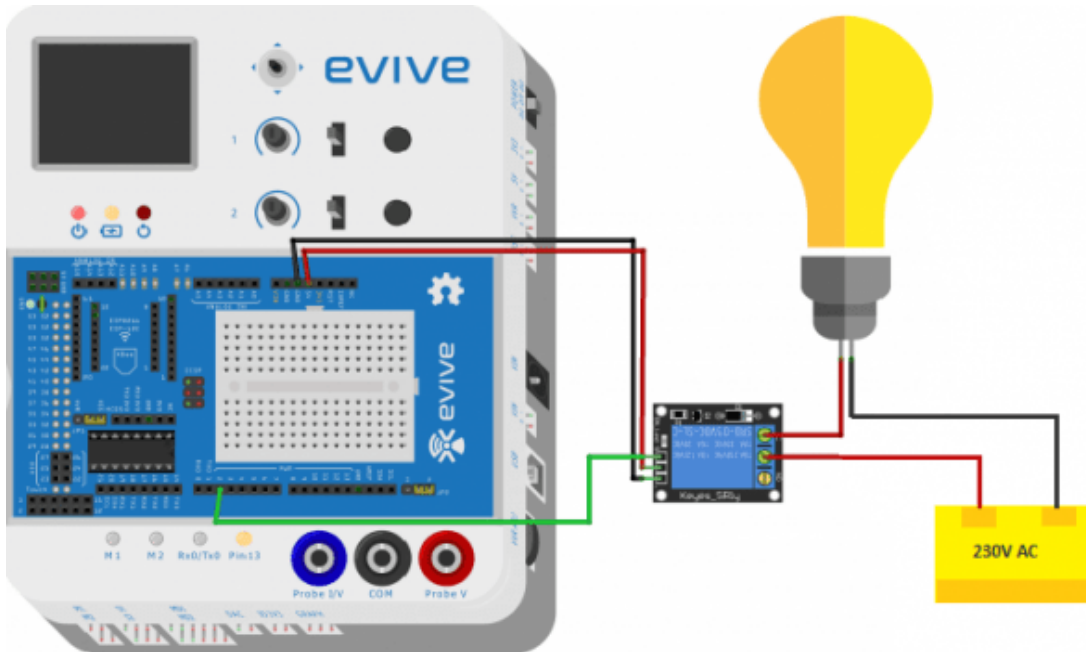
- We will use the same assembly of the bulb and relay we have made in the Relay activity.



Circuitry

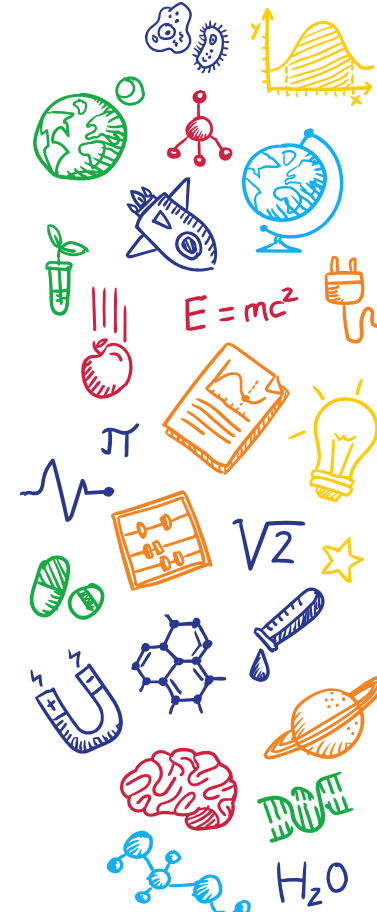
Circuit Diagram

- Connect the relay to evive: GND to GND, VCC to 5V and Signal pin of the relay to the digital pin 2 of evive.



Circuit Diagram

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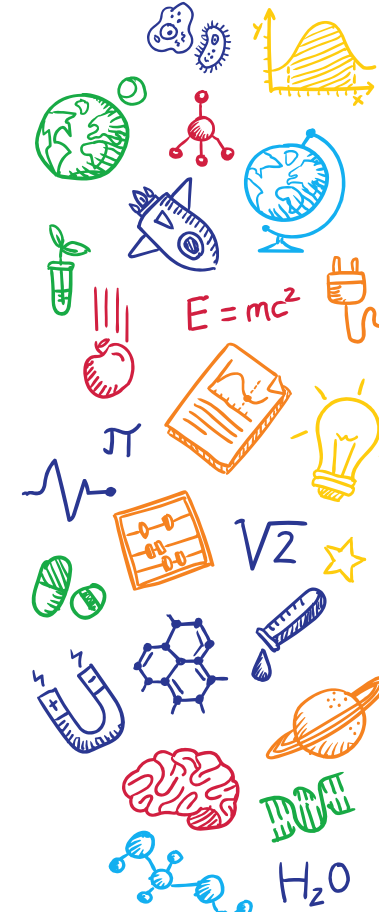
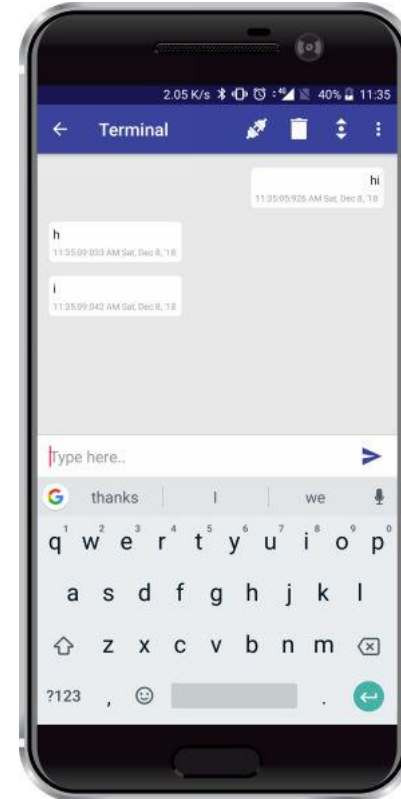
- [illegible]



Logic

Logic

- We will use the Terminal Module of Dabble App to send commands to evive.
- evive will then check the commands coming from the Dabble app and if the command is **“lights on”**, then we will turn on the bulb and if the command is **“lights off”**, then we will turn off the bulb.

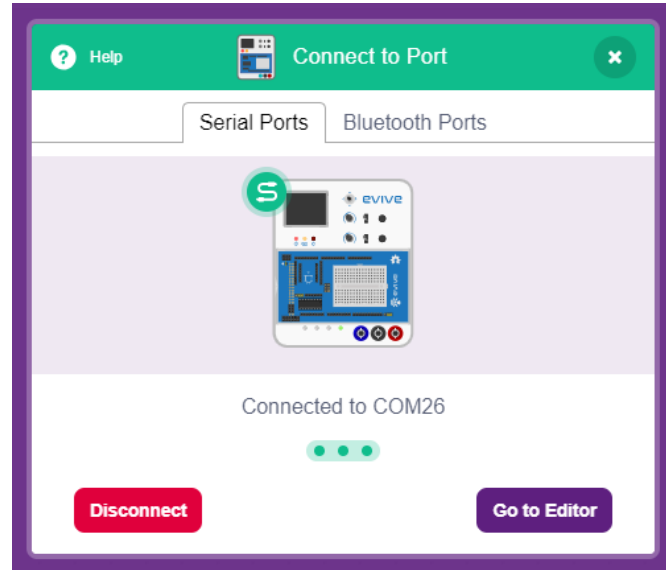


Programming the evive

- [illegible]

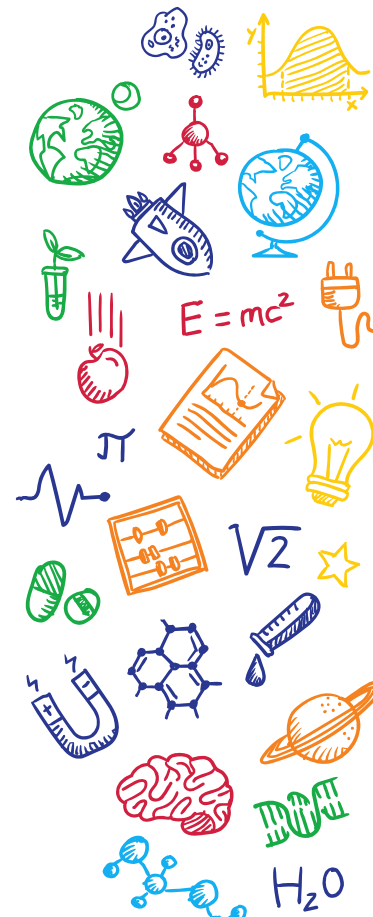


- Once you've selected the board, click on the Connect tab and connect the board.



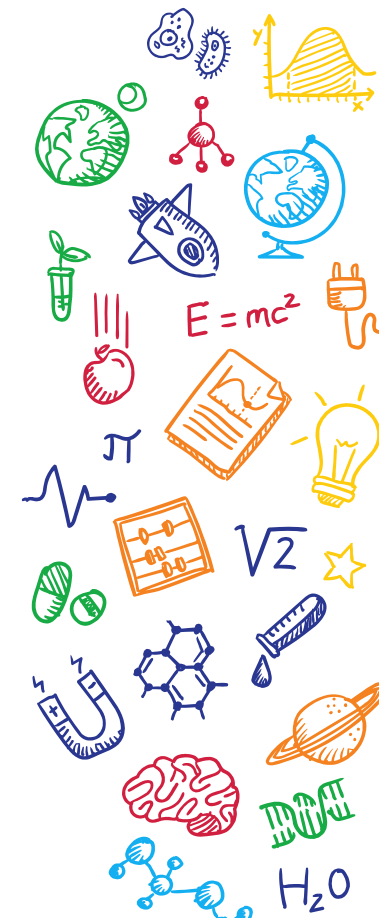
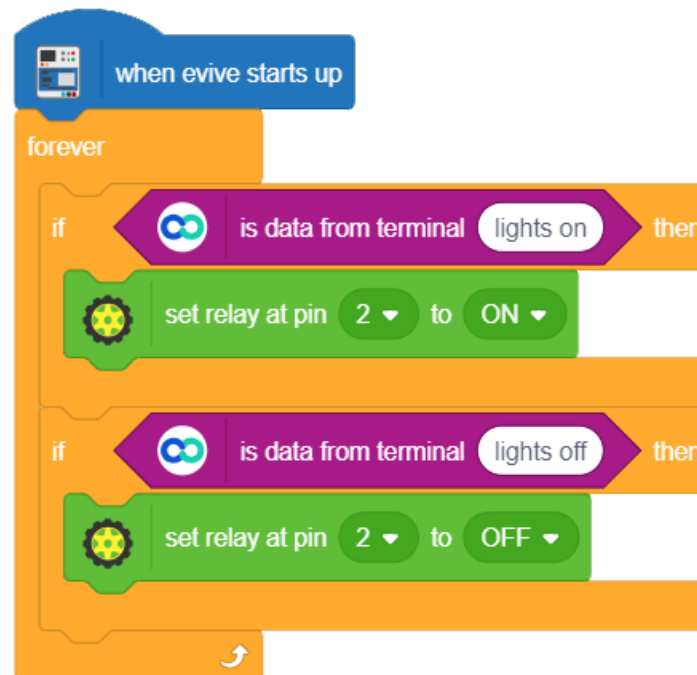
PictoBlox Program

- Go to **evive** palette. Drag and drop **when evive starts up** block into the scripting area.
- Go to **control** palette. Drag & drop the **if-then** block inside **forever** block.



PictoBlox Program

- Go to **Dabble** palette. Drag & drop the **is data from terminal** block inside **if then** condition. Write 'lights on'.
- Repeat the process for lights off.

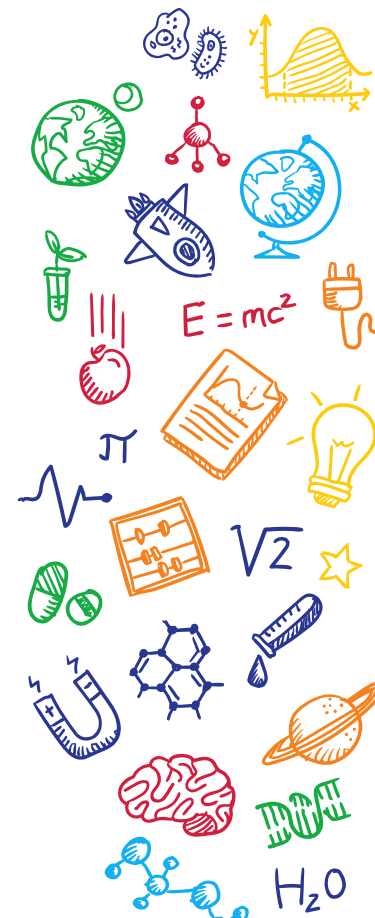
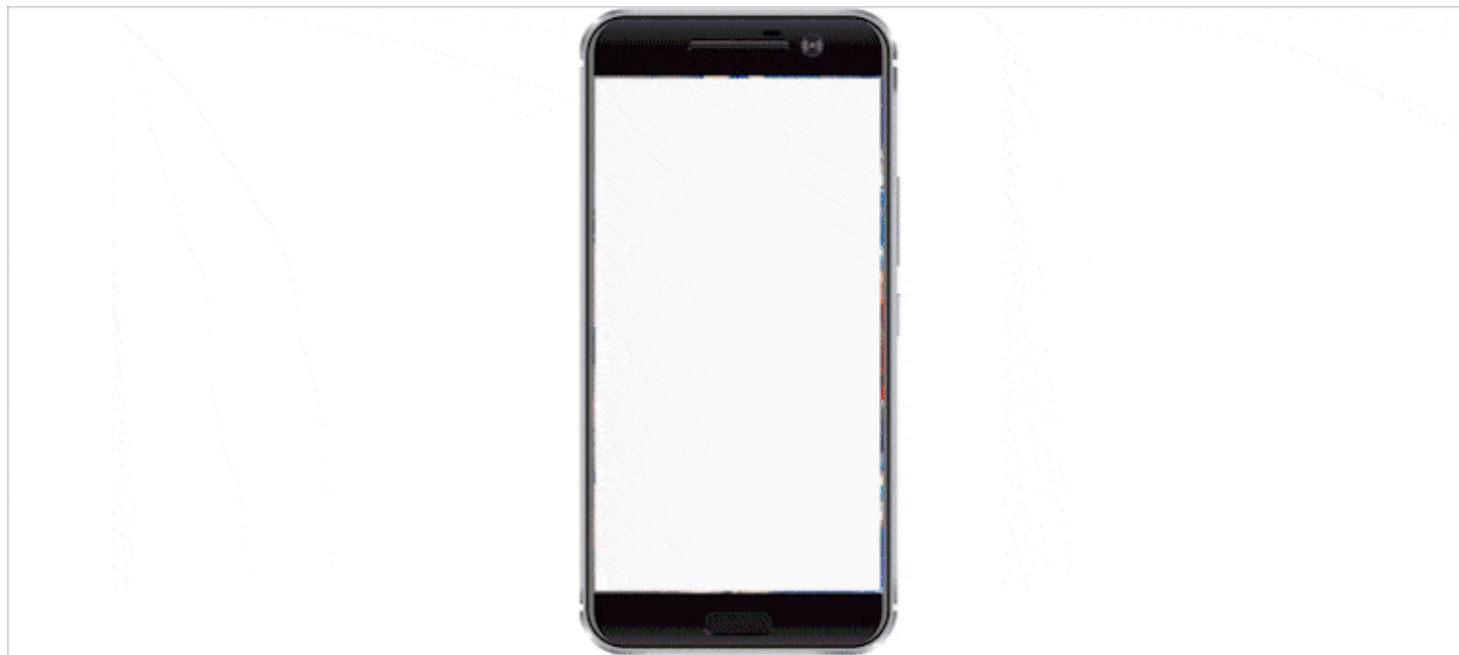


- [illegible]

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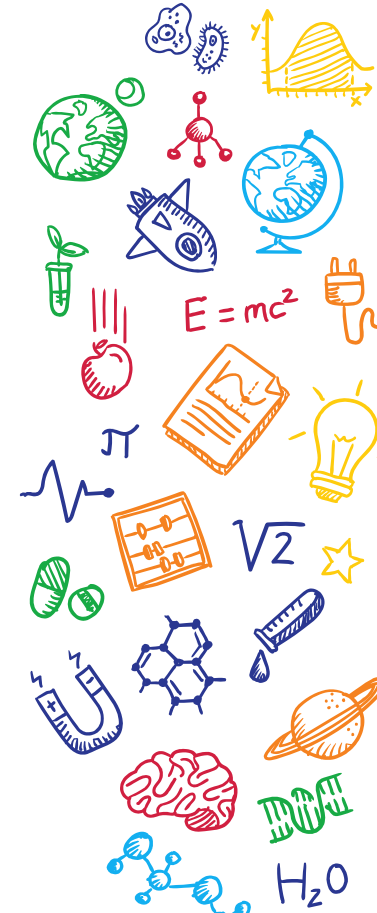
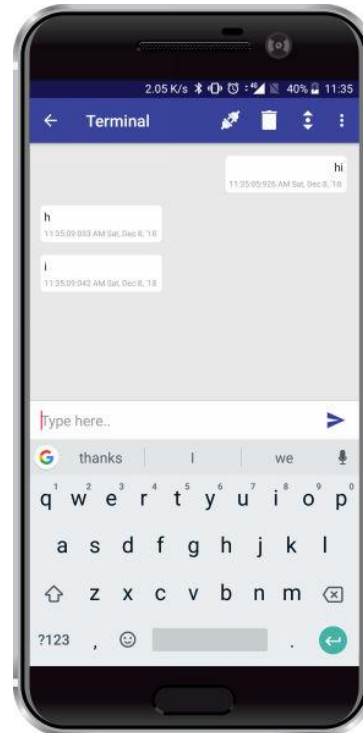
Connecting Bluetooth to Dabble

- Turn ON evive and connect the Bluetooth to Dabble App.



Control the lights using Terminal Module

- Write the exact message you have written in the program.



THANK
YOU

