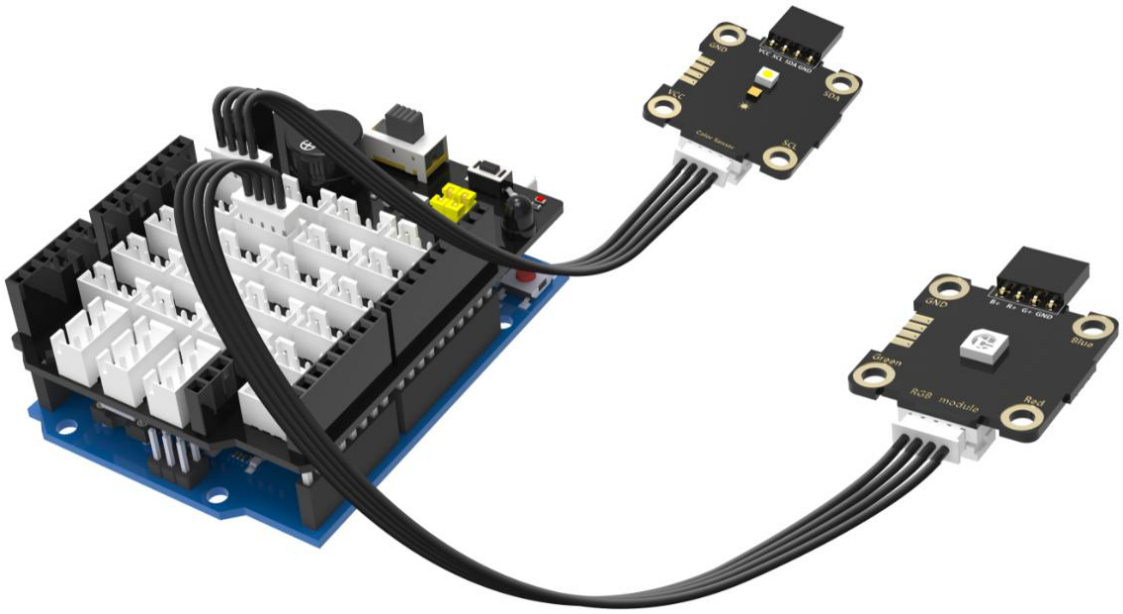
Experimental content: What color is recognized by the color recognition sensor, and what color of the RGB light module is on.

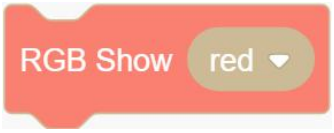
Experiment preparation: UNO board *1, Plugkit sensor expansion board *1, USB data cable *1, Color recognition sensor module *1, RGB light module *1, 4pin cable(PH2.0) *2.

Experimental wiring:



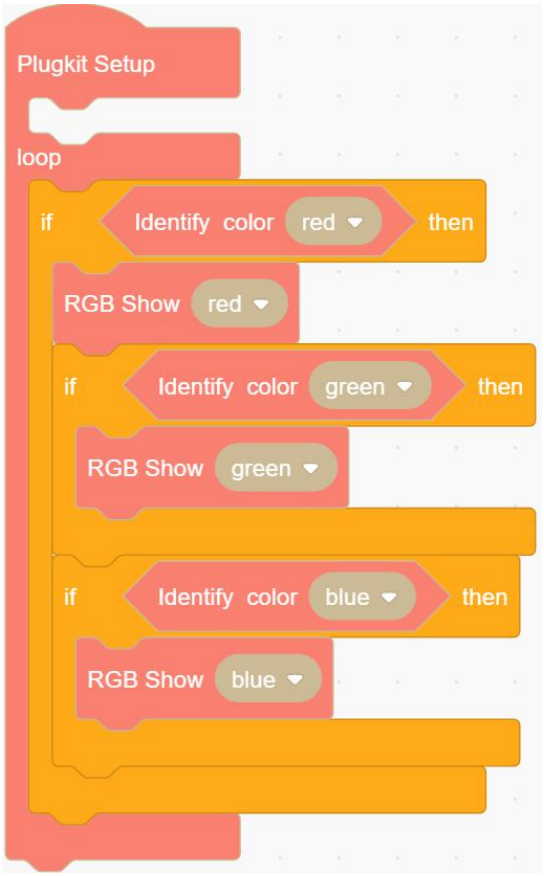
Experimental steps:

1.Select the following blocks in the [Plugkit], [Control].



2.If the color is red, the RGB light module lights up red. If the color is green, the RGB light module lights up green. If the color is blue, the RGB light module lights up blue.

3.Put the block combination of step 2 into the loop block.



4.Compiling and uploading programs.

Experimental phenomena: If the sensor detect red, the RGB light module lights up red. If the detect green, the RGB light module lights up green. If the detect blue, the RGB light module lights up blue.