

# Smart House Challenge

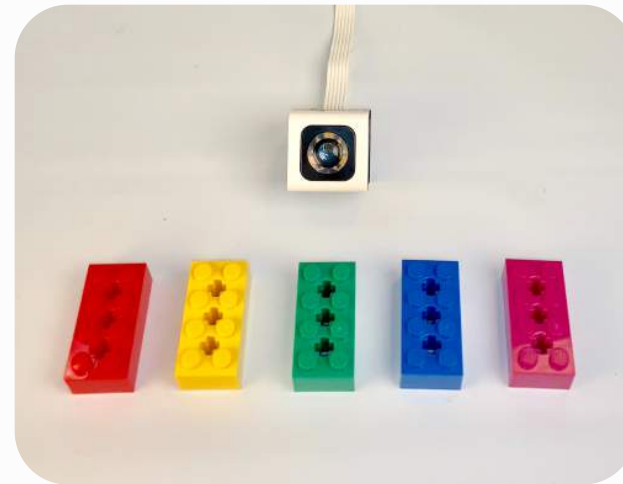
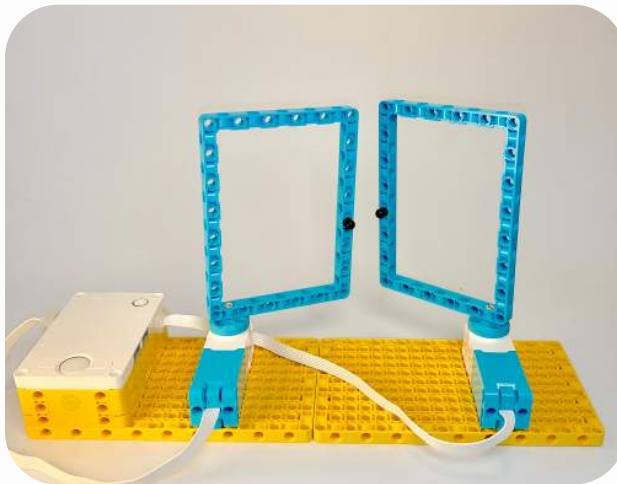
Automate some aspect of your home and control it using the color sensor

**Think like an engineer:**  
What sensor(s) will you use to automate your home?

**Think like an architect:**  
What parts of your house make the most sense to automate?

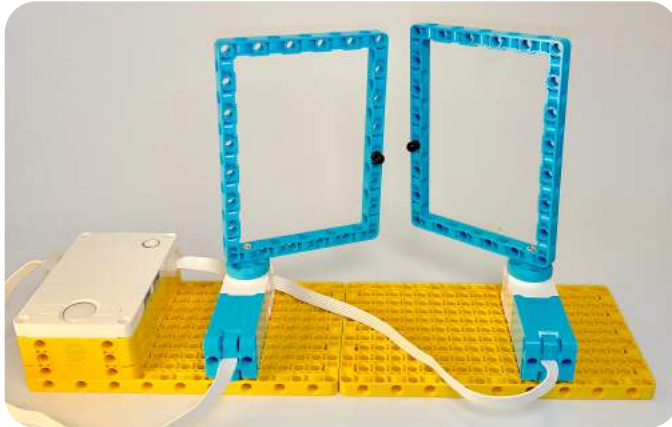
## SAMPLE IDEA

Feel free to come up with something completely different!



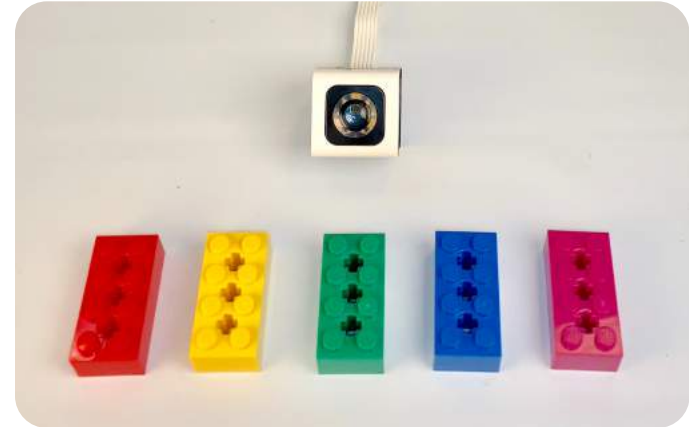
## BUILD IT

One part of a house that could be automated is a door! Here is an example of a door build:



## CONTROL IT

Control the opening and closing of the door(s) by having different colors correspond to different outcomes in the code.



## CODE IT

Select a color that will open the door(s)



Select a color that will set off the alarm



Select a color that will close the door(s)

