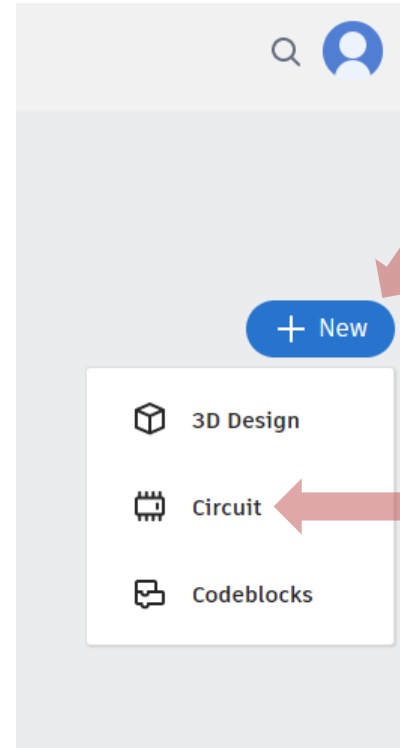Grade 11 University Physics

SOUND AND WAVES USING ULTRASOUND

SELECT "DESIGNS"
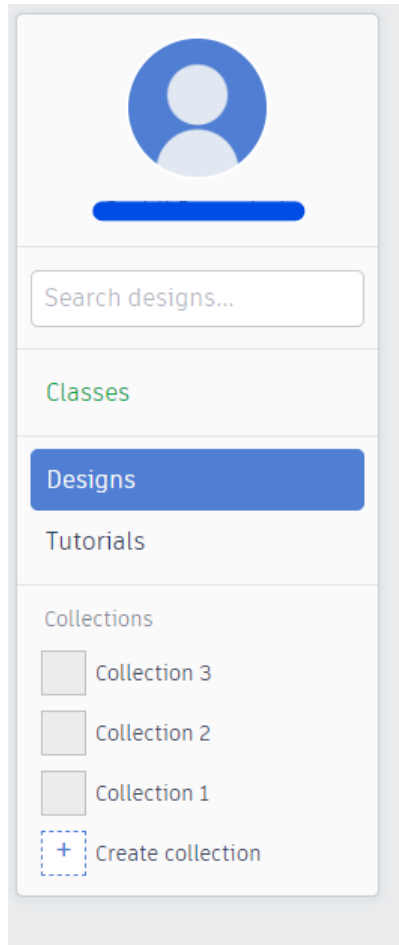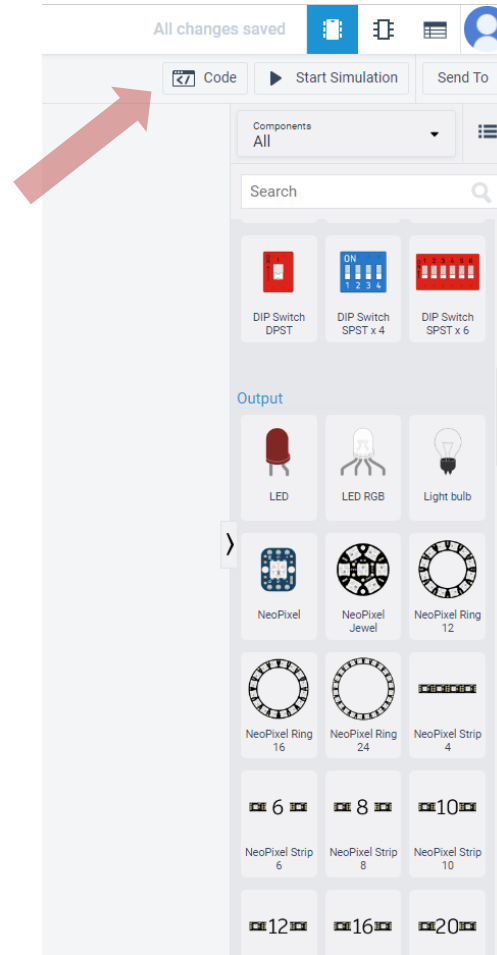
Click "**New**"

Select "**Circuit**"

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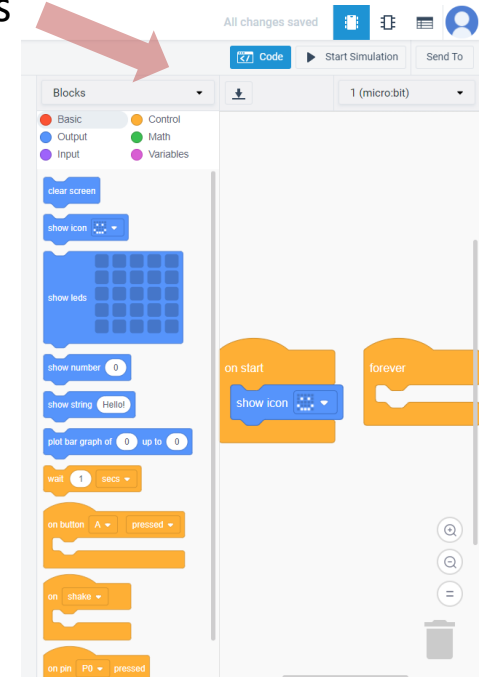SCIENCE NORTH   SCIENCE NORD

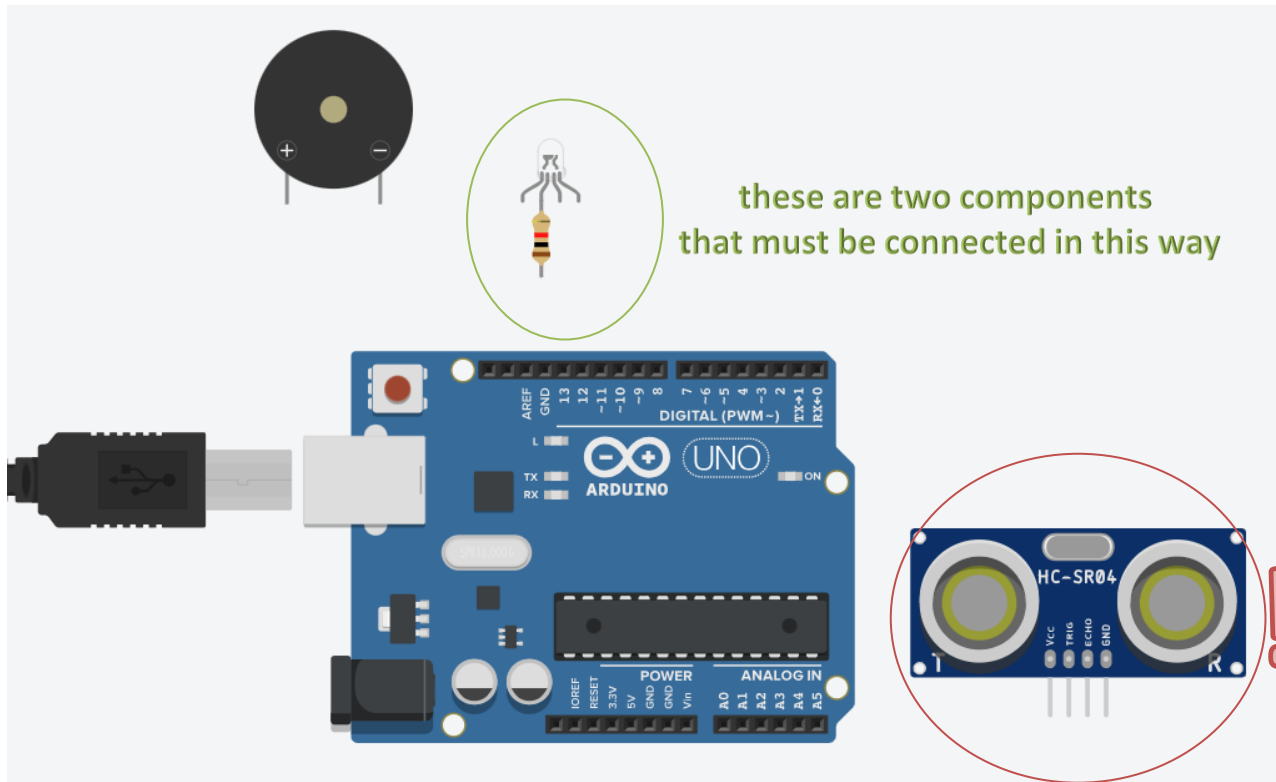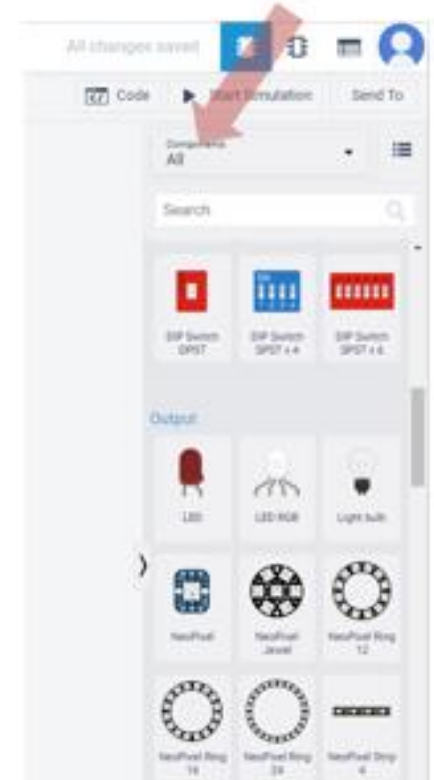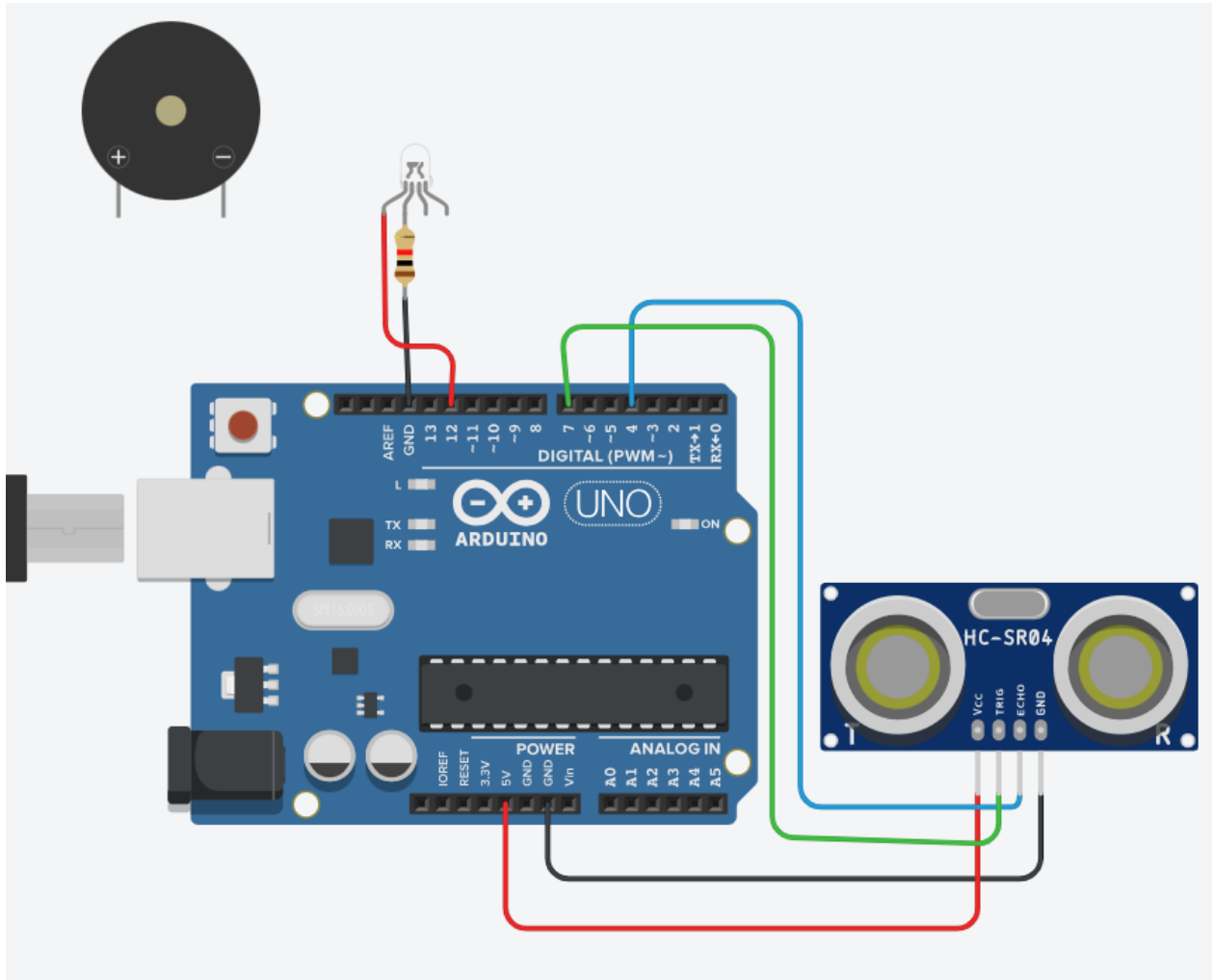# TRY THE PROGRAMMING ENVIRONMENT

Click
"Code"

Components
"ALL"
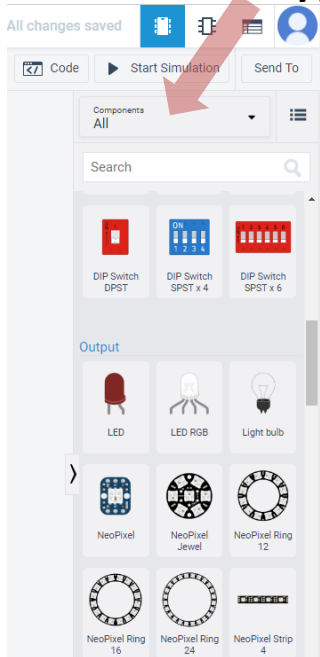
You will see
this

STEP 1. DRAG AND DROP THES COMPONENTS INTO THE WORKSPACE

these are two components that must be connected in this way
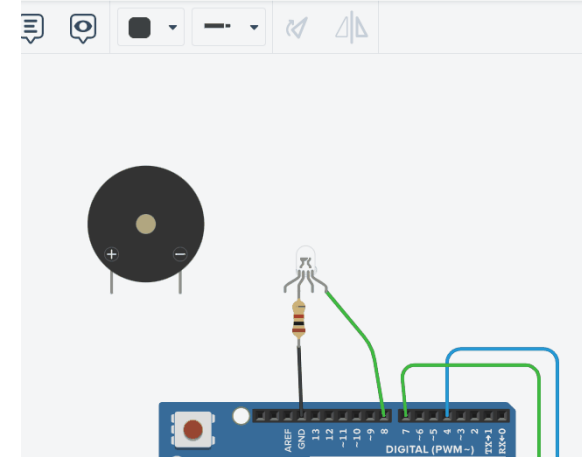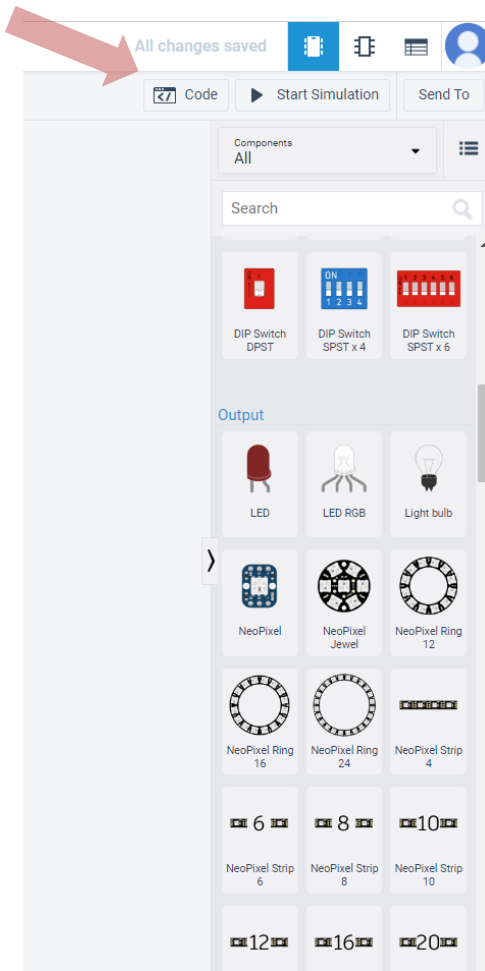
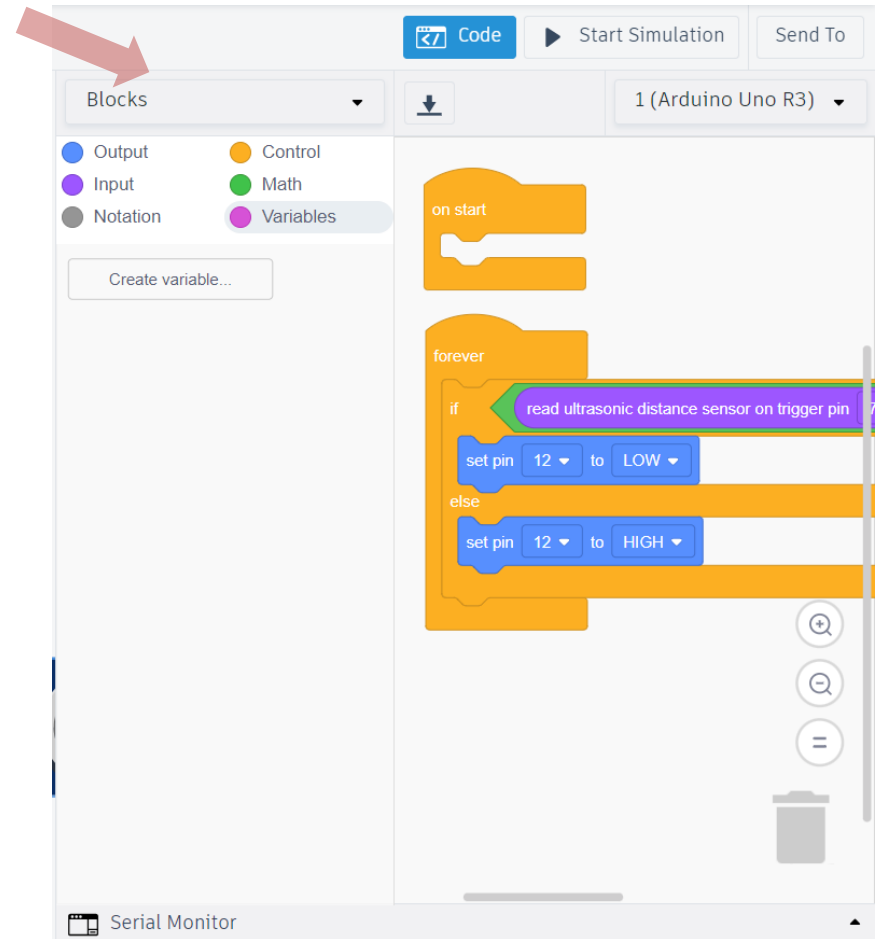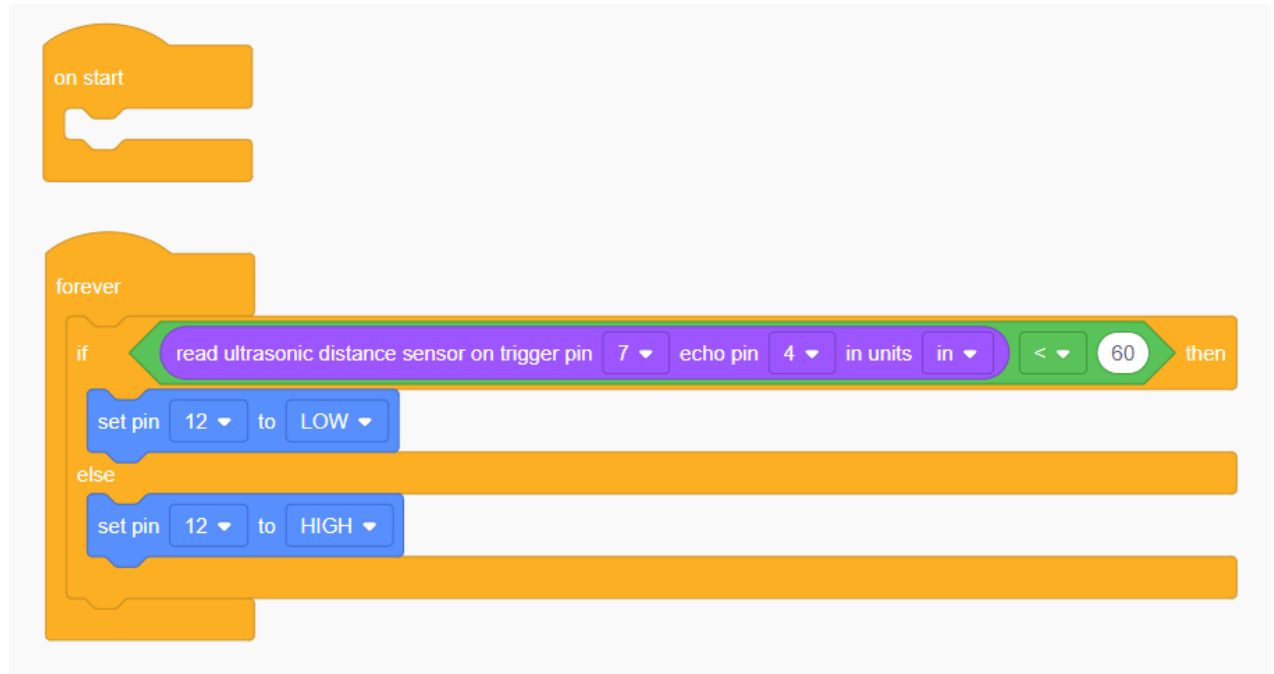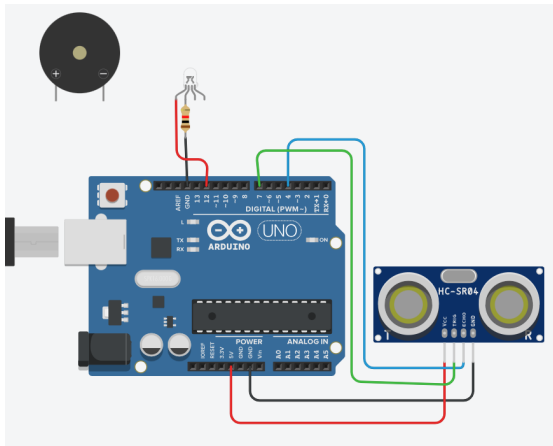# STEP 2. CREATE THE WIRES EXACTLY AS SHOWN

Example:

Click "Code"

You will see this

STEP 3. CREATE A PROGRAM

Description: if we have a distance less than 60 inches, we turn on the light signal, if not - it is turned off

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Run the simulation

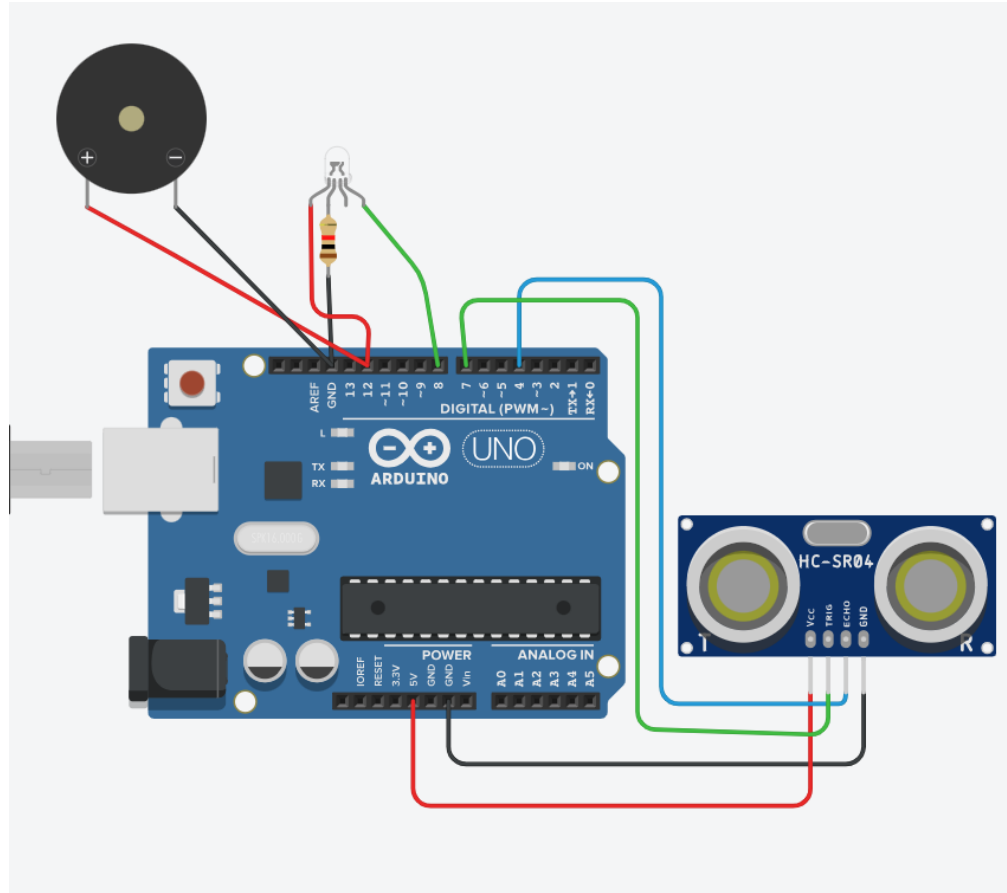# Connect the green leg of the LED to port 8
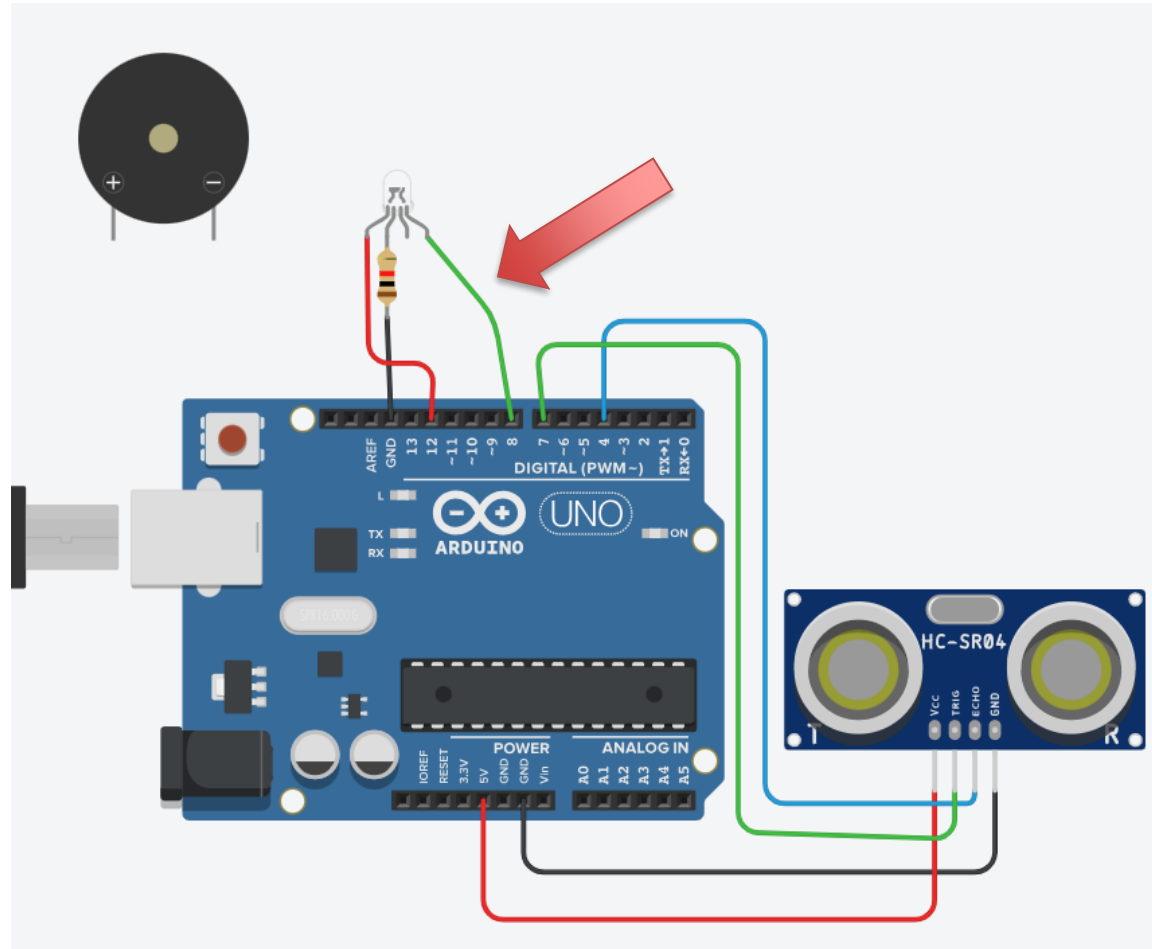
Try changing the program yourself so that the light is green when the distance is less than 60 inches and red when it is more

A possible solution:

Plug in a sound element, see how it affects the circuit

Offer and implement your ideas