

Worksheets:

1.Open the software WWW.TINKERCAD.COM

Choose CREATE CIRCUITS and open the main work area of the tinkercad:

Materials

- Arduino board
- Breadboard
- Gas sensor
- Red Led
- 2 resistors
- And wires

2.Connect Arduino with breadboard and Gas Sensor, Led

3.Program the Arduino Board:

- Create a variable in order to parse sensor data.
- Use an IF – ELSE statement to observe what sensor returns and decide if the amount of hazardous gases is large or not

Let's think ...!

- 1.Could we use this sensor to detect and improve our school bus and become more nature -friendly?
- 2.Could we also use it to detect if our parents' cars are nature -friendly?
- 3.Could we build the same gas detection for other gases that pollute the environment?