



Highly Commended

Programming, Apps &  
Robotics  
Year 5-6

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Year level: 5-6

Group entry:N

Students: 1

Category: programming and robotics

Key code: AKUQNNN9

### **Title : Distance Measuring Car**

what you need?

- Arduino Uno board
- hot glue gun with Sticks
- lego pieces
- Arduino USB wire
- Jumper wires
- computer that has Arduino downloaded
- 9v Battery
- ultrasonic sensor
- LCD screen

How does the ultrasonic sensor works?

An ultrasonic sensor is a sensor that can measure distance. On the ultrasonic sensor there are two sensors, one on the left and one on the right. The left sensor on the ultrasonic is the transmitter and the other one on the right is called the receiver. If there was a object the transmitter sensor will be the original signal and the receiver will be called the reflected signal. If the distance was long it will take so much time to transmit and receive the distance.



