

Use breadboard jumper cables, male to female, for Trig and Echo as the connectors are too close for crocodile clips to connect without creating a short circuit.

```

distance 206
del rename

```

This example looks to see what number is inside the variable called distance (206cm).

Information is inputted as cm through the distance block. These sensors are reported to work up until 400cm (4 meters) away. If the information is transferred to a variable it can be read on the screen.

```

program start
do forever
let distance = distance (cm) T: A E: A
loop

```

Useful Code Blocks

More Information

```

wait until distance (cm) T: A E: C < 20

```

Wait until the distance sensor is less than 20 cm away

```

if distance > 50 then
end if

```

If you want these programs to check continually wrap them in a forever loop

If the distance sensor variable is more than 50cm away do something

```

if distance (cm) T: A E: C = 5 then
else
end if

```

If the distance sensor variable is equal to 5cm exactly then do something. If it is anything else so something

```

do until distance < 100
loop

```

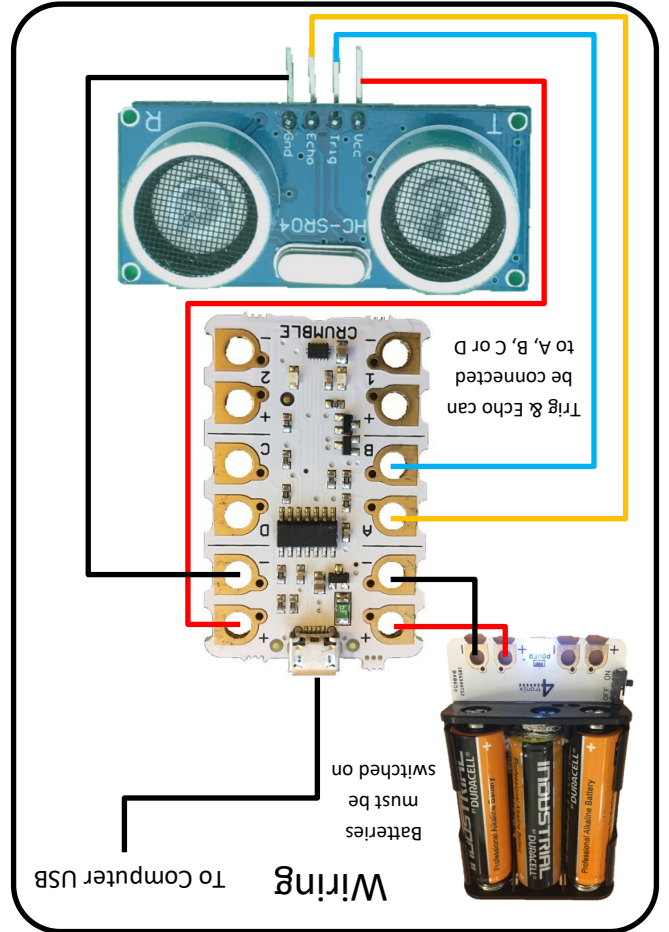
Do until distance variable is less than 100cm away

```

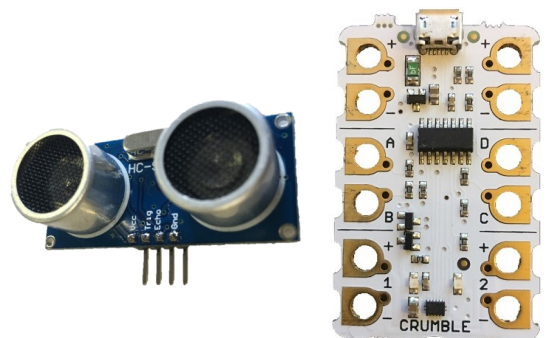
let distance = distance (cm) T: A E: C

```

Variable examples only work if distance is placed in a variable



Crumble Distance



MC37

