



Thinker1 Potentiometer

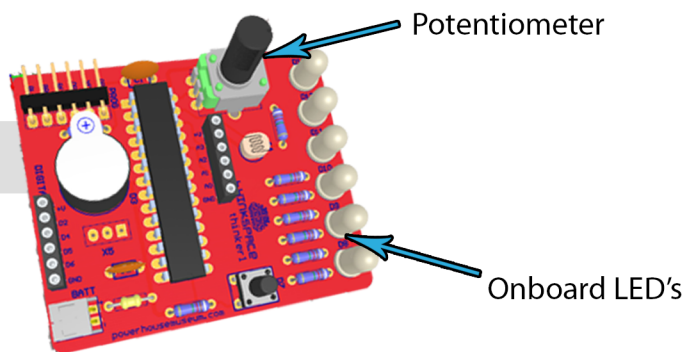
Activity One



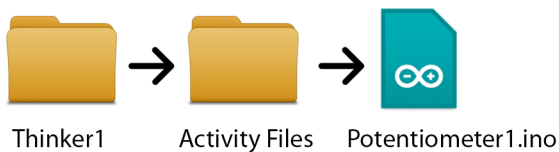
What are we doing?

We will read values of the potentiometer and then use those values to control an LED.

What parts of the board will you be using?



What files will we be using?



Instructions

Step 1

Open the file:  Potentiometer1.ino

Step 2

Look for the comment //turn the serial port on and insert this code underneath:

```
Serial.begin(115200);
```

This will activate serial monitor on so you can use it to read values.

Step 3

Look for the comment // read the input pin and insert this code underneath;

```
value = analogRead(potPin);
```

This will put the value of the potentiometer into a variable called 'value'

It will return values of 0 to 1023.

Step 4

Look for the comment // print the contents of the variable to the serial monitor and insert this code underneath;

```
Serial.println(value);
```

This will print the value to the serial monitor so you can see it.

Step 5

Upload your program and then open the serial monitor by clicking the magnifying glass icon in the top right corner.

Make sure the baud value is set to 115200.

Turn the potentiometer to see the values change.



Program Logic

