



# Thinker1 Getting Started

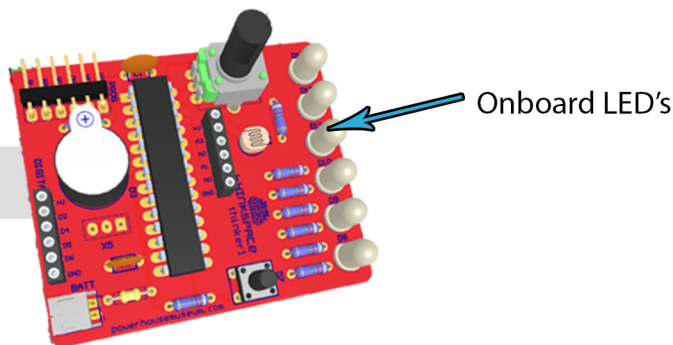
with arduino



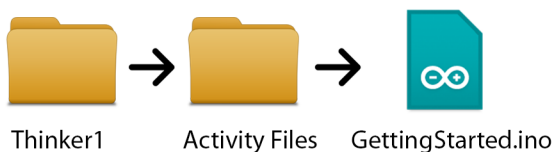
## What are we doing?

We are going to blink an onboard LED using Arduino programming language.

## What parts of the board will you be using?



## What files will we be using?



## How to set it up

### Step 1

Plug in your thinker1 in using an FTDI cable and open the Arduino program.

### Step 2

From the Tools menu select Board and then select *LilyPad board type ATmega 168*.

### Step 3

From the Tools menu, select 'Serial Port' and select the appropriate port. For more information refer to the Thinker1 Software Reference Sheet.

### Step 4

Open the file:  GettingStarted.ino

### Step 5

Upload your program  the LED on your board should start to flash.

### Step 6

Try changing the values to change the speed of the blink. For example change;

```

Delay(1000); // 1000 milliseconds between blinks (slower)
to
Delay(100); // 100 milliseconds between blinks (faster)
  
```

Remember to repeat step 5 each time you change the code.

## Program Logic

