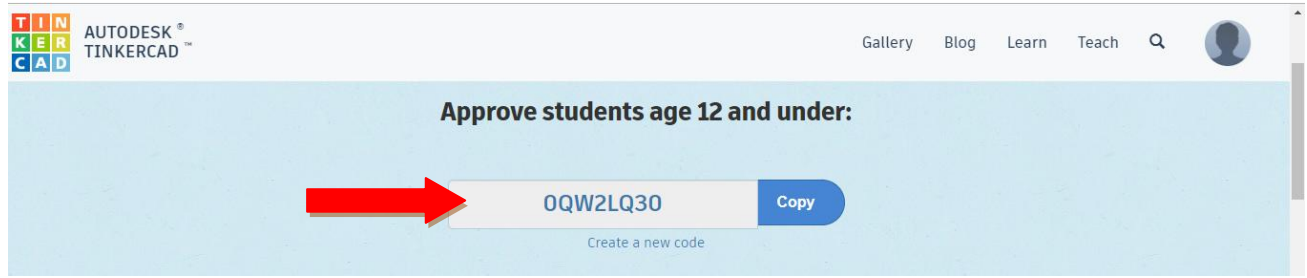


How to Festival 2019 - Coding/Programming with Arduino

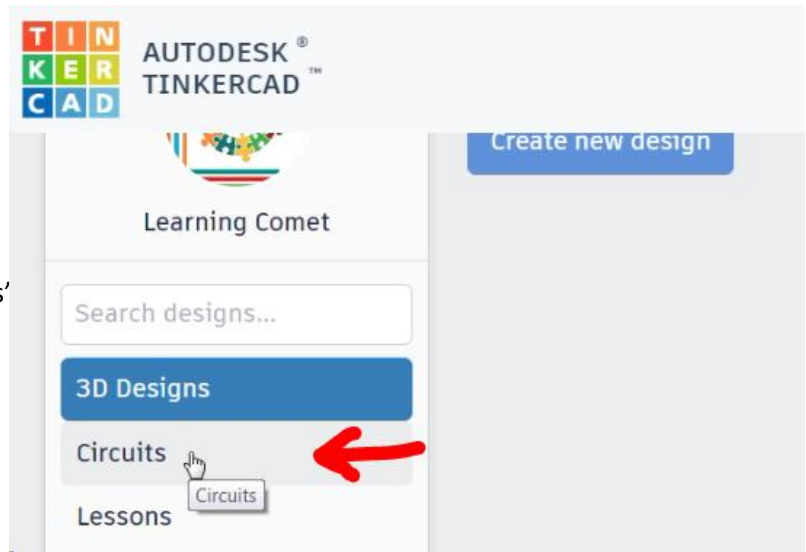
Step 1A) Use one of these accounts to login or go to Step 1B to sign up with your own email

www.tinkercad.com USERNAME: LC101 PASSWORD: howto2019	www.tinkercad.com USERNAME: LC102 PASSWORD: howto2019	www.tinkercad.com USERNAME: LC103 PASSWORD: howto2019	www.tinkercad.com USERNAME: LC104 PASSWORD: howto2019
--	--	--	--

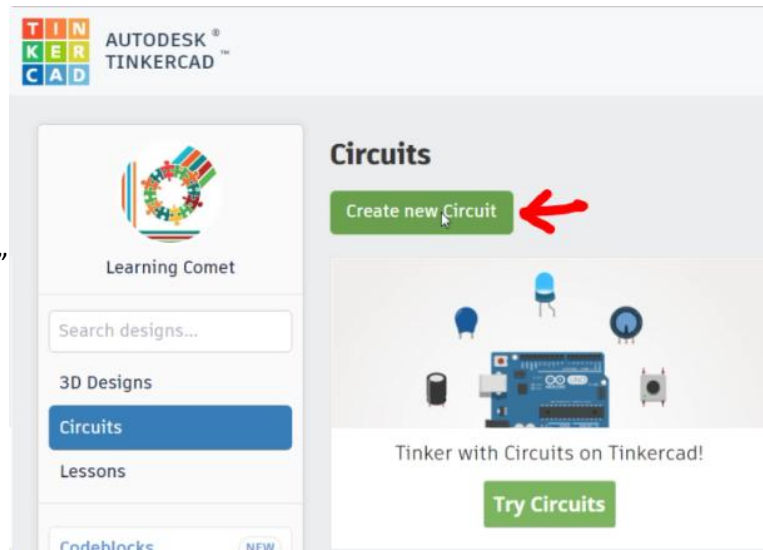
Step 1B) Signup with your own email use the approval code below if you are under 12



Step 2) After you login click on "Circuits"



Step 3) Then click on "Create New Circuit"



ARDUINO CONNECTION AND CODE FOR BLINKING LED

WITHOUT RESISTOR

Current through the LED is 48.1 mA while recommended maximum is 20.0 mA. The usable lifetime of the LED may be reduced.

The code blocks in the IDE are as follows:

```
set built-in LED to HIGH
set pin 13 to HIGH
set built-in LED to HIGH
wait 1 secs
set pin 13 to LOW
set built-in LED to LOW
wait 1 secs
```

WITH RESISTOR

The code blocks in the IDE are as follows:

```
set built-in LED to HIGH
set pin 13 to HIGH
set built-in LED to HIGH
wait 1 secs
set pin 13 to LOW
set built-in LED to LOW
wait 1 secs
```