Build Your Music Arduino Lab

Step 1 – Connect Rotary Encoder to Arduino Uno

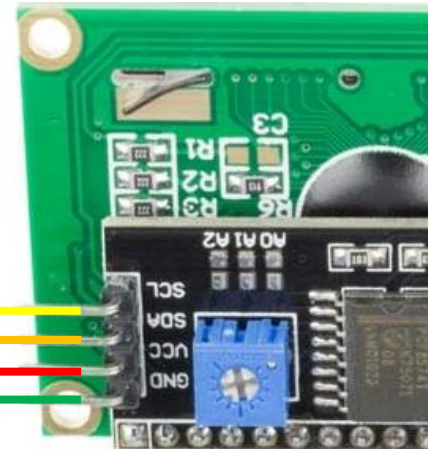## Step 2 – Connect LCD to Arduino Uno

Arduino Uno

LCD

Rotary Encoder

Rotary Encoder Pin	Wire Color	Arduino Pin
CLK	Blue	2
DT	Purple	3
SW	Gray	4
+	White	5
GND	Black	6

Arduino Pin	Wire Color	LCD Pin
A5	Yellow	SCL
A4	Orange	SDA
5V	Red	VCC
GND	Green	GND

Step 3 – Connect Power to Arduino

USB Power
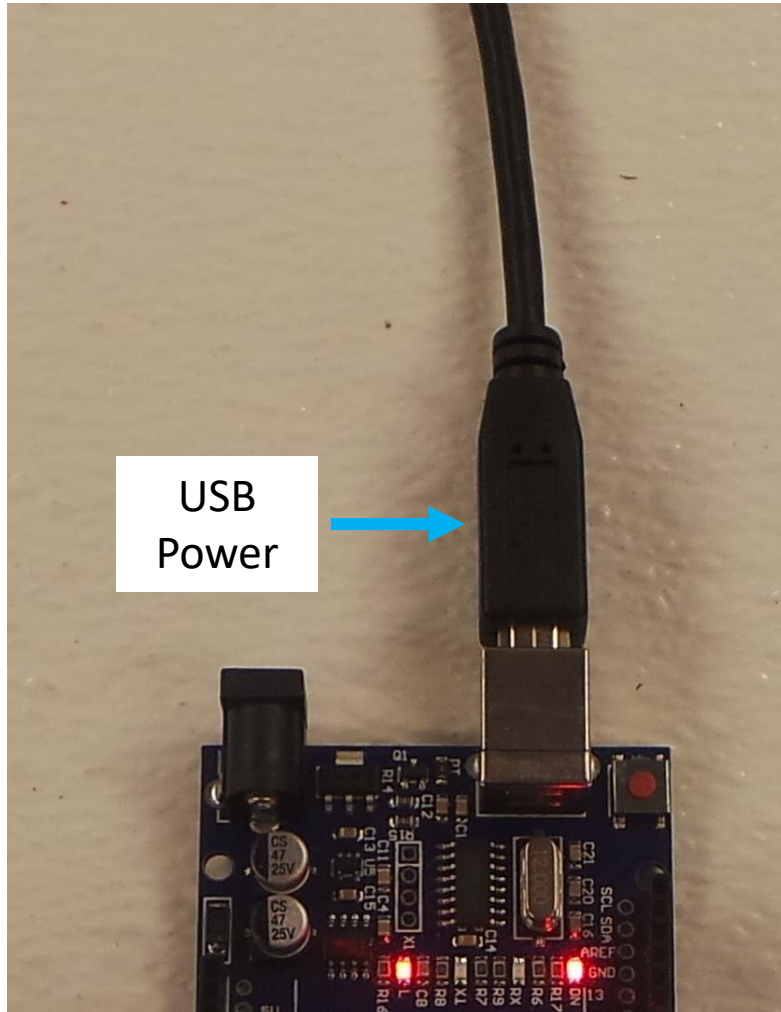
Step 4 – Make Sure all the Connections are Good

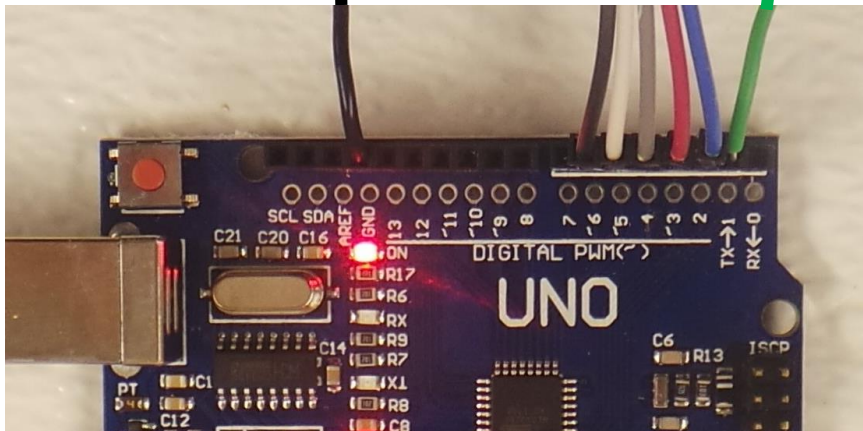Select a Song Scale
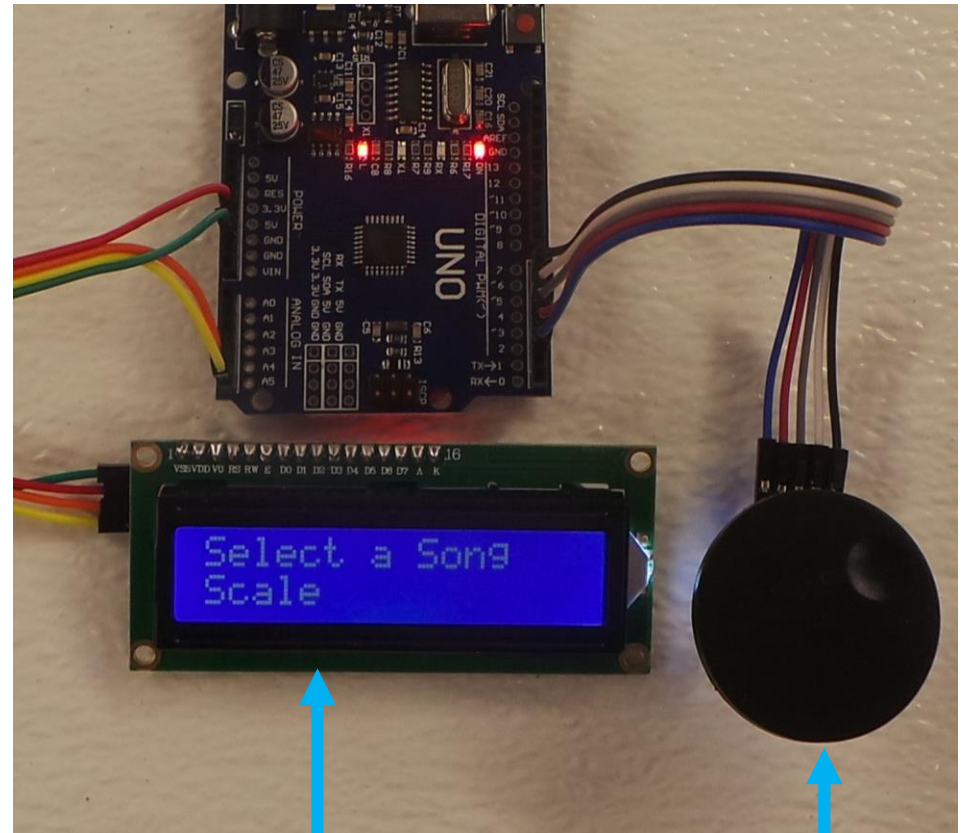
Text is shown on the LCD

Turn Rotary Encoder to Change the Song

Step 5 – Connect to Xylophone
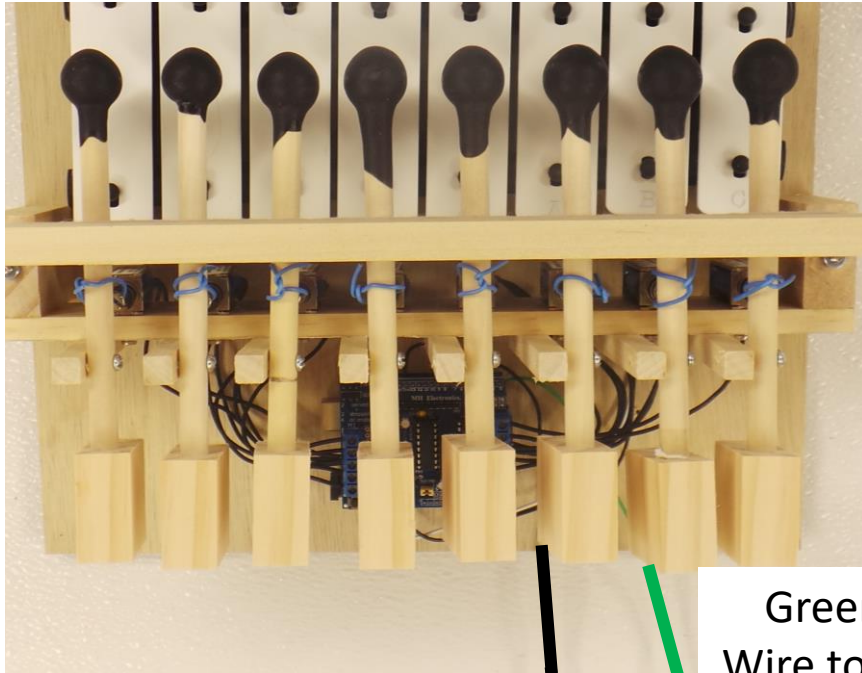
Black Wire to GND

Green Wire to TX (Pin 1)

Step 6 – Play a Song

Select a Song
Vivaldi Spring
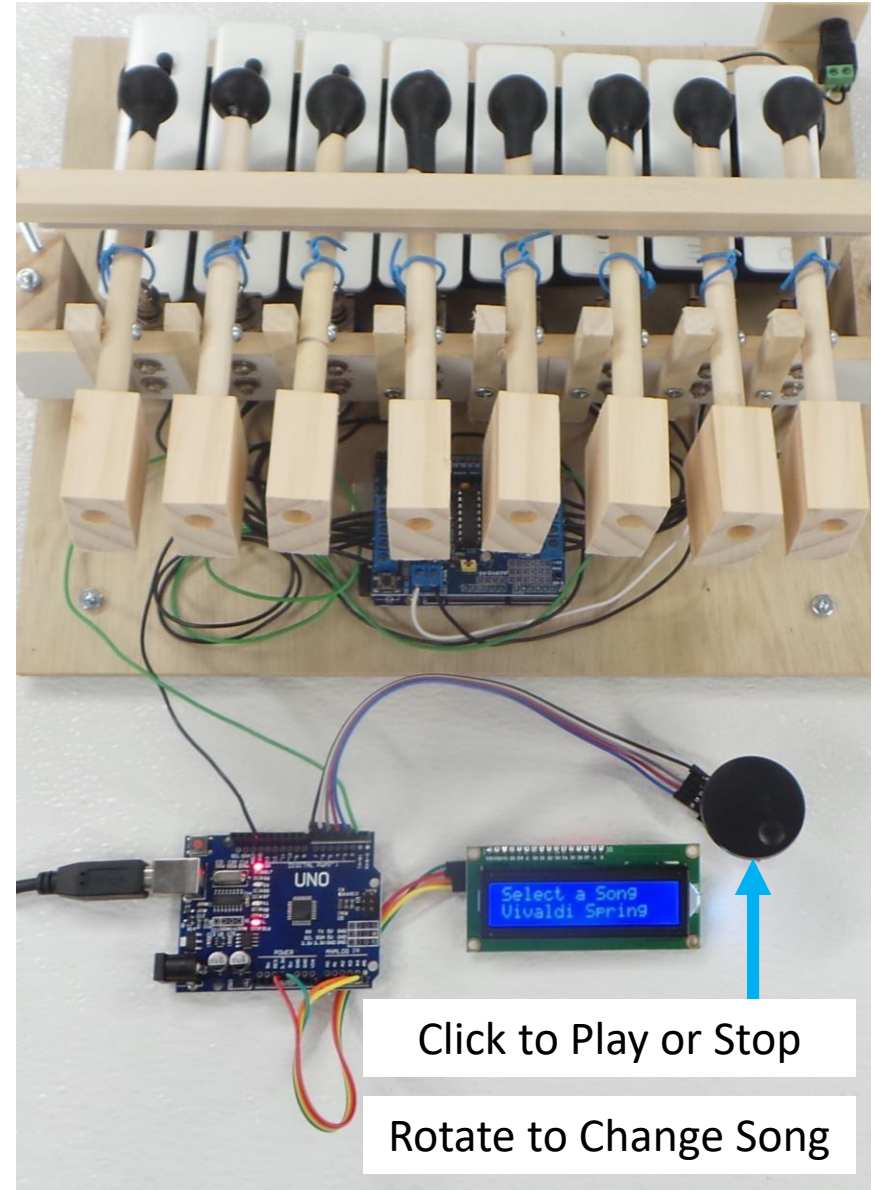
Click to Play or Stop

Rotate to Change Song