





Figure 3: Close-up photo of circuitry.

With a little creativity and a lot of experimenting, this pencil can do all sorts of fun things. For example, it can play a little tune. After installing two AAA batteries, wait for a minute or two for Drawdio to warm up. Draw a line on your paper, then lightly wet a finger on your non-writing hand and place it on one

end of that line. Place the sharpened point of your Drawdio pencil on the other side of that line and you should hear a tone emerge from the small speaker on your pencil. By moving the pencil or your damp finger to different locations on the line, you can either lower or raise the frequency of the tone.

The Drawdio musical pencil is a fun little weekend project. This is a great musical synthesizer that uses the conductive properties of a graphite pencil to create different sounds. The gratification of making your own little circuit and getting to play with toys makes this engineering circuits project a fun little item to build.

