

Code and Space

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CONCEPT

The Visualization of Music

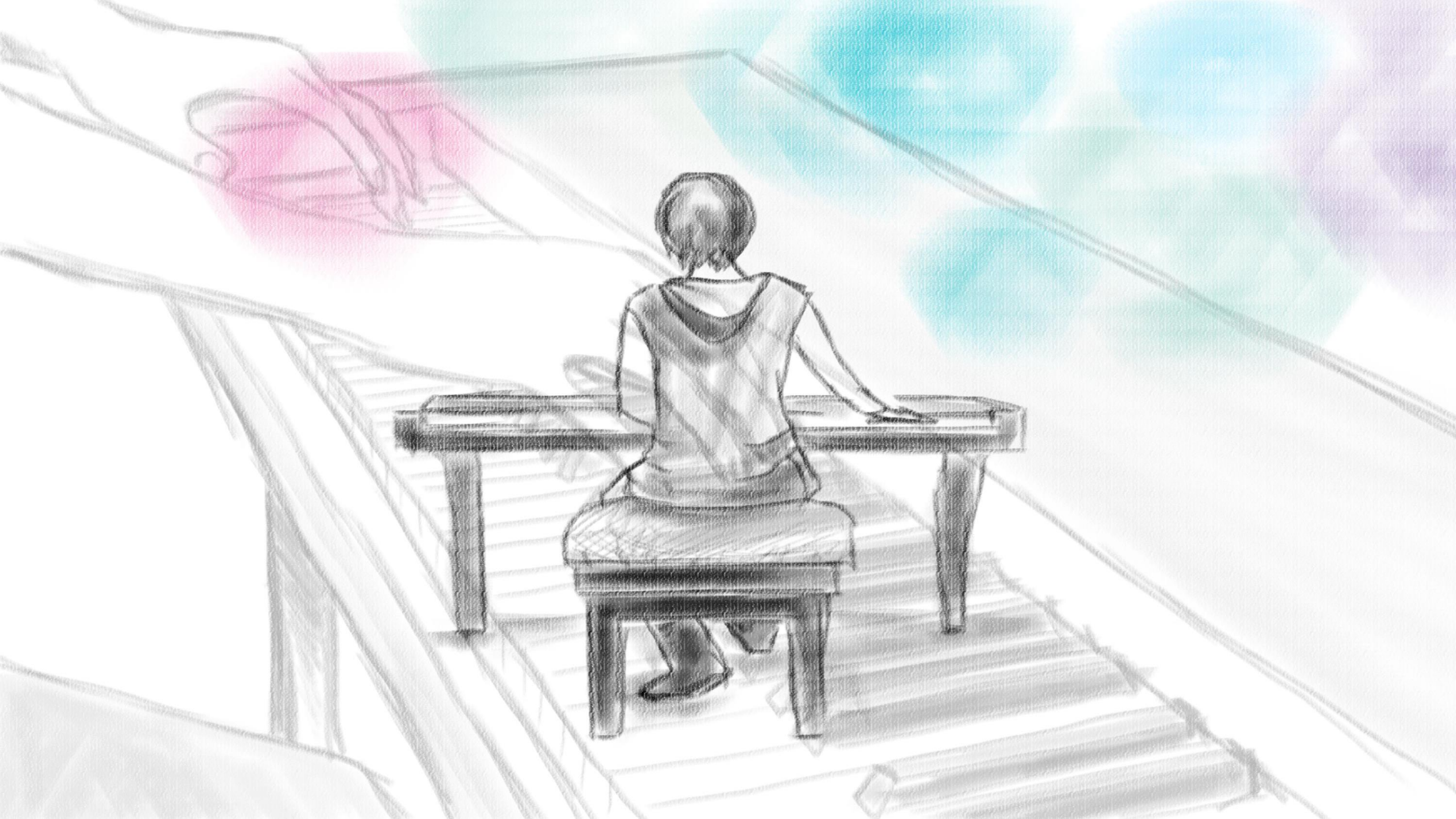
- Relationship of musical note to color or visual representation
- Manner of exhibition OR educational method
- How can music redefine a space?



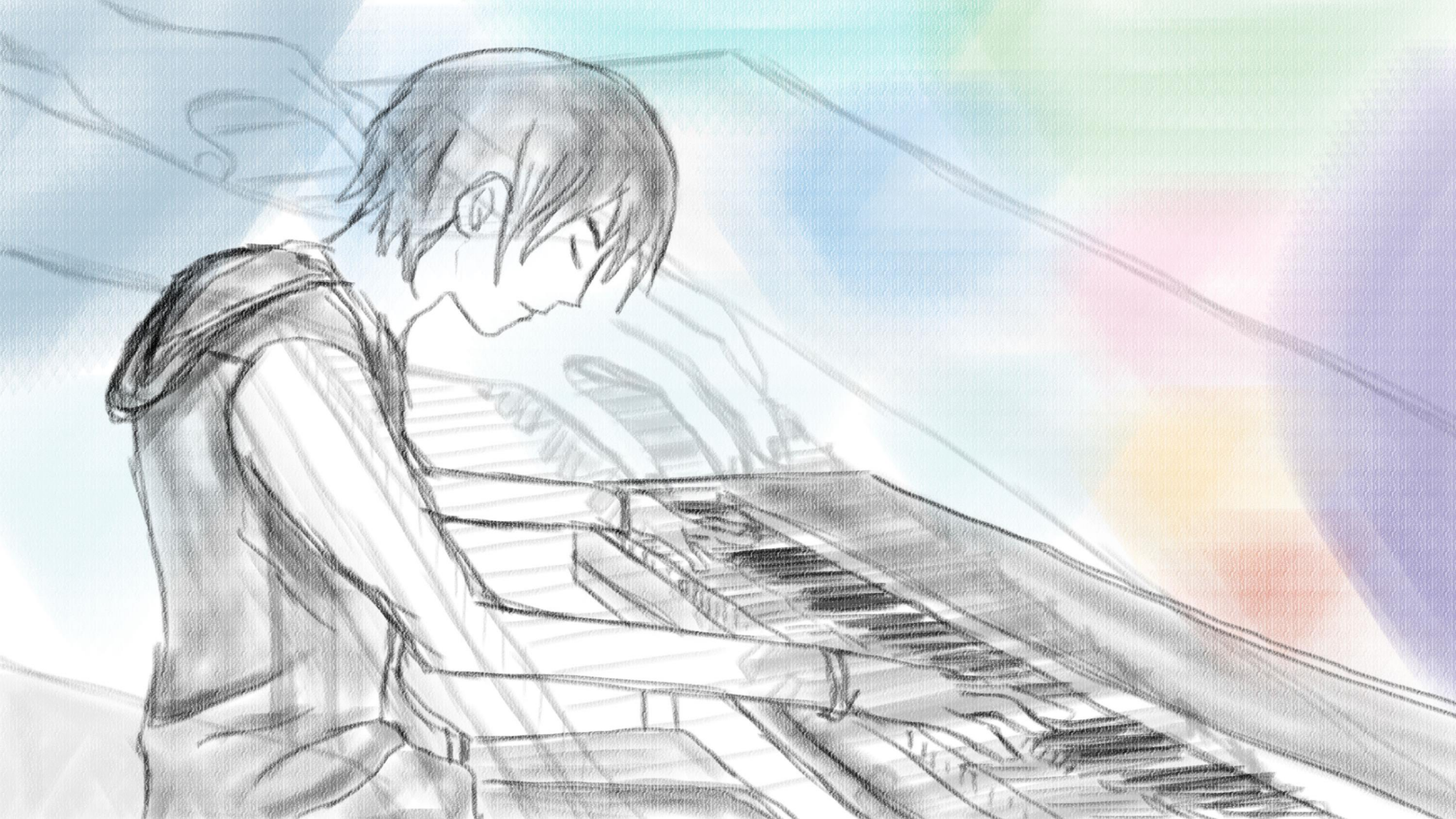




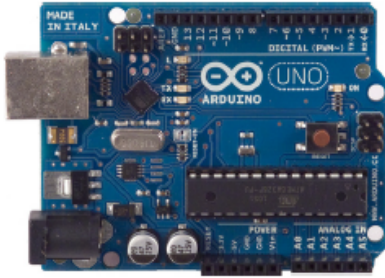












Arduino Uno

To link analog components to written code to transduce the music into specific colors combinations for the visual display.

Liquid Crystal Display (LCD)

Digital display of note being played.



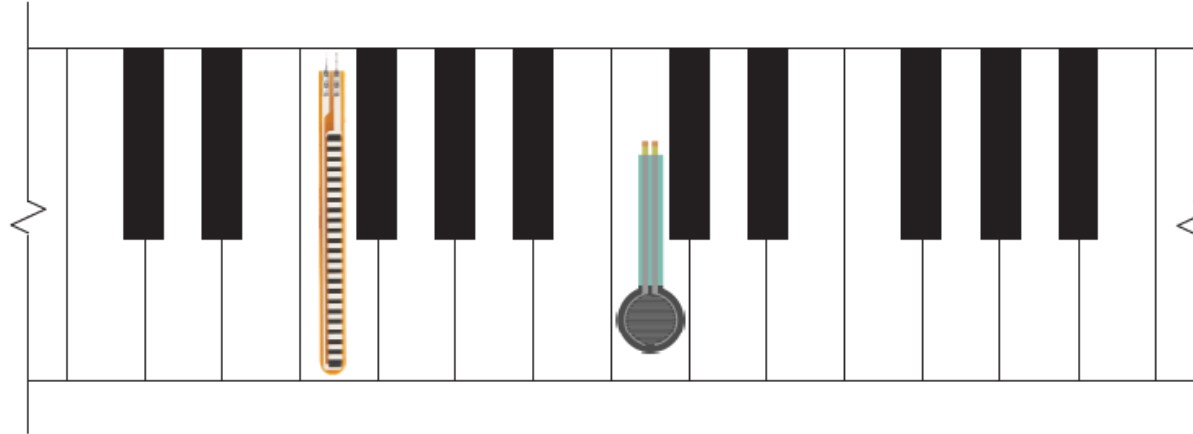
Quadruple Operational Amplifier

These devices consist of four independent high-gain frequency-compensated operational amplifiers that are designed specifically to operate from a single supply or split supply over a wide range of voltages.



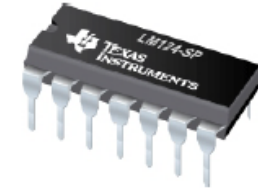
Sound Detector

Picks up the output of the keyboard to be processed and displayed in the form of colored light.



Flex Resistor/ Force Resistor

Potential components to be used in order to measure the physical interaction of a person playing keys.



RGB LED Light Bulb

Allows for a gradation of color output depending on the pitch of the note being played.



Illumination of Space



One note played at a particular pitch.



Two different notes played at once at particular pitches.



Three different notes played at once at particular pitches.

