

**sddec18-21: Multi-Effect Sound Pedal Sequencer for Performing Musicians**

Week 2 Report

February 8 - February 14

**Team Members**Tyler McAnally — *Digital Lead / Outreach*Karla Beas — *Facilitator / Scribe*Charles Rigsby — *Hardware Assembly*Calyn Gimse — *Test Engineer*Derrick Lawrence — *Report Manager***Summary of Progress this Report**

We decided to go with Raspberry Pi as a foundation for our project. We also determined a digital implementation would allow us to better accommodate what users want.

**Pending Issues**

A digital implementation would require creating effects with code, as opposed to analog circuits. Raspberry Pi can communicate wirelessly, but we may need to add chips to allow for that functionality.

**Plans for Upcoming Reporting Period**

We will search for libraries of digital effects that have already been programmed and put in the public domain. We'll also create a plan for how the user will interact with the effect board to determine whether or not we need additional chips to interact with the Raspberry Pi.

**Individual Contributions**

Team Member	Contribution	Weekly Hours	Total Hours
Tyler McAnally	Researched for public domain digital effect libraries	2	4
Karla Beas	Researched for public domain digital effect libraries	2	4
Charles Rigsby	Researched process of creating new digital effects on Raspberry Pi	2	4
Calyn Gimse	Compared various microcontrollers and weighed benefits for our application	3	5
Derrick Lawrence	Compared TI and Arduino microcontrollers	2	4



