Using Sonic Pi (on the raspberry Pi)

Sonic PI is a program that allows you to make music. The program is installed on the raspberry pi by default. For this example we will need headphones.

1. We first need to set the audio to go through the audio port on the pi, rather than the HDMI Port

raspi-config

1. Configure the sound to go through the 3.5 mm jack
2. Next launch sonic pi – the icon should be on the desktop
3. Test out the following examples. Run the program and listen to what is produced..

loop do

sample :perc\_bell, rate: (rrand 0.125, 1.5)

sleep rrand(0,2)

end

with\_fx :reverb, mix: 0.5 do

loop do

s = synth [:bnoise, :cnoise, :gnoise].choose, amp: rrand(0.5, 1.5),**⏎**

attack: rrand(0, 4), sustain: rrand(0, 2), release: rrand(1, 3), **⏎**

cutoff\_slide: rrand(0, 3), cutoff: rrand(60, 80), pan: rrand(-1, 1), **⏎** pan\_slide: 1, amp: rrand(0.5, 1)

control s, pan: rrand(-1, 1), cutoff: rrand(60, 115)

sleep rrand(2, 3)

end

end

The Dr Who theme tune was made using a synth. Can you try and make a program that can reproduce it?