

Name: Amalia Perez Checked By: _____

Date: _____

Sonic Pi Computational Thinking Set Plan

ES1: Computational Thinking

Identify where you will be using the tools in your set and why this tool makes sense to use here.

#	Tool	Plan for Implementation in Your Set	Why This Tool Is Appropriate
1	Abstraction is demonstrated by creating a Sonic Pi melody based on a piece of annotated sheet music.	<i>Song 1 Melody Sheet Music:</i> <i>Song 2 Melody Sheet Music:</i> death of a bachelor	
2	Consecutive repeated code is placed inside loops to avoid repetition.	<i>second song: verse & chorus play together 2x</i>	<i>because the verse & chorus always play right after each other.</i>
3	Sequential execution is demonstrated by including code for a sample and melody that runs before live_loops begin running.	<i>second song: start with sample of the beginning of the song. - then layer a clapping song</i>	<i>this introduces the song.</i>
4	Concurrent execution is demonstrated by including repeated code in multiple live_loops to create synchronized tracks within a song.	<i>second song: background will be playing with the notes.</i>	<i>background sample will play at the same time as notes.</i>
5	Variable is used to increment ($x = x + 1$) or decrement ($x = x - 1$) values with each iteration of a loop .	<i>first & second song: use variable to fade song in and out.</i>	<i>the intro sample will fade out to start playing notes the chorus will fade out at the end of the song too.</i>