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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.	Song 1 Melody Sheet Music: Black n. 1 Song 2 Melody Sheet Music: Back in Black	So the notes and sleep values are the same as the original
2	Consecutive repeated code is placed inside loops to avoid repetition.	Every instrument loop	Repeats throughout the song
3	Sequential execution is demonstrated by including code for a sample and melody that runs before live_loops begin running.	Intro Transition	These lines do not contribute to the melody and play once
4	Concurrent execution is demonstrated by including repeated code in multiple live_loops to create synchronized tracks within a song.	Drums Synth + Bass Loops	To create a song with multiple layers
5	Variable is used to increment ($x = x + 1$) or decrement ($x = x - 1$) values with each iteration of a loop .	Drums loop Running	✓ For fade ins and out To minimize code