



Lesson - Make Music with Sonic Pi

<p>Learning Objectives:</p> <ol style="list-style-type: none"> 1. Learners understand that computers execute instructions in a linear sequence 2. Learners understand how to make music in Sonic Pi 3. Learners use code creatively to change and play notes in Sonic Pi 	
<p>Lesson: Make Music with Sonic Pi</p>	<p>Time 1 hr 15 min</p>
<p>Intro: Get students to stand in a circle and clap in unison. The teacher will count the beat and students will clap on a particular number. Do the same exercise but with notes. Explain that this is how computers think when they play music, and the students will be making music.</p>	<p>10 min</p>
<p>Have students go onto the Kano Kits and open Make Music. Watch the intro video and get started with the first challenge that teaches the “play” and “sleep” commands.</p>	<p>5 min</p>
<p>Main: Students should choose one of their favorite songs and try to recreate it in Sonic Pi using these commands. Advanced students can try to use samples as well. You can use the following lesson from Raspberry Pi as a guideline</p>	<p>35 min</p>
<p>Learners to present their song creations to the class and explain how they created them.</p>	<p>15 min</p>
<p>Learners to say 3 things they have learned this lesson.</p>	<p>5 min</p>
<p>Kano cleanup</p>	<p>5 min</p>