

Name of the material	Playing Music
Target group	13 – 15 and 16 – 19 years old
The type of the material	A tip
Description	<p>Music has many mathematical elements in it: rhythm, pitch, scale, frequency, interval, and ratio.</p> <p>You can investigate how the scale is based upon a special type of number sequence called a Harmonic Series. How are these mathematical series and ratios related to notes, chords, intervals, and octaves?</p> <p>You can also investigate rhythm and time in music: can you find a way to represent your favorite rhythms numerically? (Rusin, 2004)</p>
Material	http://www.sciencebuddies.org/sciencefairprojects/project_ideas/Math_p034.shtml
Source	<p>Science Buddies Staff. (2014, June 30). <i>Playing Music</i>. Retrieved June 30, 2017 from https://www.sciencebuddies.org/science-fair-projects/project_ideas/Math_p034.shtml</p>