**If you have an instrument at home try this out…**

**Challenge 2:** Children identify three different ways to produce a different pitch

Provide children with a guitar or violin to explore. Ask them to identify three different ways of producing notes with different pitch. Ask them to draw a labelled diagram and write an explanation about how different notes are produced on a violin or guitar.

Their investigation should aim to answer the following questions:

- What do you notice about the different strings? Are they identical? Why do they produce different notes?
- What happens when you press your finger down on the string? What part of the string is vibrating? Why does this give a different note?
- What happens when you move the peg a little? Why does this change the note?