

CurriculumVisions Lesson

Students: fill in next to the word answer and return the document for assessment.

Science

Book: Magnets and springs (3E)

Pages 10-13

Everything here is based on our Curriculum Visions book Magnets and springs (3E).

In this segment we are going to look at two more ways that springs can be useful.

You will need to go to pages 10-11 of the book.

How does a guitar use springs to make a sound?

Answer.....

The strings are springs. When the strings are plucked, they move (vibrate), and this makes a sound.

What are some other instruments that use springs?

Answers could include.....

Violin, viola, bass, banjo, ukulele, sitar, harp, lute, bouzuki, etc. Also, piano, drums

Create an instrument that uses a spring.

Answers will vary.....

Encourage students to use elastic bands or sheets to make drums or a finger or box guitar.

Go to pages 12-13. Use what you have learned, and the pictures

on pages 12 and 13, to make a machine that uses springs.

Answers will vary.....

Students could be encouraged to make a catapult (using a ruler), a throwing machine, a motion machine, or another machine they can think up. Students can also be encouraged to design and draw their machine on paper instead.

If you are interested in this topic continue to browse the book and watch our amazing videos. They start right on the book cover.