


## The Force of the 'Slinky'

**Junior Inventors** Name: \_\_\_\_\_

**The Force of the 'Slinky'**



The Slinky can be used to simulate a range of movements. Experiment with a slinky to complete the table below. This takes creative thinking and action! Be aware that a slinky can tangle easily.

Movement	Diagram	Description
Wave movement		
Snake movement		
Stair ascending movement		
Tunnel movement		Dangle the slinky down a ramp or from one level to another. Create a board and attach a small character. Push the small character through the tunnel like a slide.
Bungy Jump		
Expand Contract		Hold one end of the slinky on a table. Have a friend stretch out the slinky. Together let go of the ends.
Jump Rope Movement		

Junior Inventors activity sheet © Skoolbo 2015

### Lesson Sequence:

**Tuning in:** View the toys poster displaying famous toys from the past 100 years (see Digging Deeper section of the article, The Force of the Slinky Lesson Guide.

Focus in on the Slinky. Share any personal experiences of using a Slinky.

**Finding Out:** Together read the article and watch the videos - pausing at the given times to make predictions before watching the outcomes..

**Activity Sheet:** Experiment with the Slinky by simulating movements such as snake and bungy jump movements.

**Digging Deeper:** Investigate the movement of the Slinky with the incline movement activity found in the digging deeper section.

## TIPS TO SUPERCHARGE YOUR LESSON

**What am I?** Students describe a Slinky without using its name, ending with the line, 'What am I?'

### Energy

Use the Slinky to demonstrate potential and kinetic energy.

### Present

Students take turns to demonstrate their favourite Slinky Moves.

### Teach

Students teach younger students how to use a Slinky and explain their new knowledge of motion.