Candy Wave Model Instructions

## Activity:

Make a candy wave model and move it to see how energy is transferred along the length of the model through a wave.
https://www.generationgenius.com/activities/wave-properties-activity-for-kids/

## Materials:

- 12-ounces of gumdrop-like candy
- 16 feet of duct tape
- 50+ 12-inch skewer sticks
- Two $1 \times 12$-inch wood dowels
- Ruler
- Pencil (optional)


Hold (or secure) both ends of the model so it is taut. Make a wave by tapping one skewer. Energy is transferred along the length of the model through a wave. By watching the candy, you can see the amplitude (height of the wave) and wavelength. Tapping it harder will cause the amplitude to increase. If you move the skewer up and down faster, the wavelength (distance between the wave peaks) gets smaller!


