

^{*} I know that plastic straws aren't environmentally friendly so you can skip this activity to watch only if you prefer. Unfortunately this activity doesn't work with paper straws.

EXPLORATION

THEME: PITCH PERFECT

S T E A M
Science Technology Engineering Arts Math

Questions/Ideas:

Pitch: Can you make a <u>high</u> sound? A <u>low</u> sound? Can you make a <u>higher/lower</u> sound?

Reading Music: Let's make symbols to show us what to do (clap/stamp/shh/shout). Can you read them to play our music?

Water Glasses: Which glass makes the highest/lowest sound?

Which glass is the fullest/emptiest? Is this glass

fuller/emptier? What happens when we hold the glass? Why?

Straws: Let's line up our straws from longest to shortest. Now let's play. Which do you think will make the highest/lowest sound?

Elastic Bands: Which elastic band is <u>longer</u>? Which makes the <u>highest/lowest</u> sound? What happens when we pull them <u>tighter</u>? What happens if we pinch them with our other hand?

Other Items: Let's see what else makes a sound round our house? What can we find to make a high/low sound?

Learning:

<u>Science</u>: Different ways to create sounds; Vibrations creating sound; Predictions; Observations; Comparisons.

Arts: Musical instruments; Reading Music; High & low pitch.

Maths: Vocabulary: high/low, full/empty, long/short; Making comparisons with measurements and volume.

