



**Sounds & Vibrations  
Classroom Program for 1<sup>st</sup> Grade**

**Program Summary**

Students will learn how the Great Plains Toad creates sound. They will conduct investigations to determine that vibrating materials create sound. They will then plan and carry out an investigation to demonstrate that sound can cause materials to vibrate.

**Phenomena**

How does the Great Plains Toad make its sound?

**NGSS Standards**

1-PS4-1. Plan and conduct investigations to provide evidence that vibrating materials can make sound and that sound can make materials vibrate.

Asombro lessons are aligned with the three-dimensional learning model of the Next Generation Science Standards.

Science and Engineering Practices	Disciplinary Core Ideas	Crosscutting Concepts
Planning & Carrying Out Investigations  Analyzing and Interpreting Data	PS4.A Wave Properties	Cause and Effect  Patterns

**Common Core State Standards**

**English Language Arts**

*SL1. Participate in collaborative conversations with diverse partners about grade 1 topics and texts with peers and adults in small and larger groups.*

**Asombro Lesson can accompany 1<sup>st</sup> Grade STEMScopes – Bundle 4 Scope 1**

*This lesson would best be incorporated before the Hook and after the APK in Engage **or** before the Explore activities within STEMScopes.*

Date: \_\_\_\_\_

Asombro staff: \_\_\_\_\_