

# Big Learning Science & Engineering: S&E

## Register for Spring Session Now!

*The theme is: The Physics of Sound and Flight*



Register at: <https://biglearning.asapconnected.com/>  
 Select ALL CLASSES along the upper menu bar and then use the drop down location finder to find your school.

### Hums, Buzzers, and Whirligigs

Shake, rattle and go on an exploration of how air movements can create both sound and flight! Toot tunes on test tubes and buzz on kazoos to explore how sounds are made, how they travel, and how we hear them. Create rhythms and waves in different ways to explore the concept of vibration. Build and



experiment with different fliers that soar through the air and compare them to parachutes that create drag. Which design will fly the best?

**Grades K-2**



### Good Vibrations

Strum, buzz, and pop! How does sound travel? How do your ears hear? Investigate the complex system of

the auditory system and how we make sounds in this fun hands-on adventure! Build a guitar from scratch and how to simulate sound waves while exploring pitch, tones, and frequencies. How do airplanes and boomerangs fly? Discover the science behind flight and then get your chance to launch a model rocket!

**Grades 3-5**

Class	Day of Week	Dates	Time	Tuition
<b>Hums, Buzzers, and Whirligigs</b> Grades K-2	Monday	Apr 7, 28, May 5, 12, 19,	4:00 PM – 5:00 PM	\$170
<b>Good Vibrations</b> Grades 3-5	Monday	Jun 2, 9		\$170

**All classes meet at Wyngate Elementary School**  
**Payment plans and scholarships are available**

To sign up for a payment plan, check that option at checkout. For scholarships, call our office.