

Big Learning Science & Engineering: S&E

Register for Fall Session Now!

The theme is: Physics of Color and Light



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.

Optrix

Discover the world of vision, color, And light with playful experiments and a couple of tricks along the way! Make a model of your eye (and owl, bee, and mole eyes too!) to demonstrate the effect of light on pupils. Explore the eye adaptations of nocturnal animals and make your own tarsier. Use prisms to explore colors and wave lengths. Compare light colors to pigments and explore symmetry and reflection with multiple mirrors and crystals. Test the refractive powers of water and gelatin; make your own fiber optic toy and a projector; explore convex and concave mirrors and magnification; and create spinners to demonstrate the persistence of vision' that explains many common visual effects.

Grades: K-2



Kaleidoscope

Beam into the future and experiment with fiber optics you can take home! Children will make a model of their eye and test the limits of their own sight to learn about blind spots, peripheral vision, and right/left dominance. They will see how the eye looks up close by dissecting a real cow's eye and use the properties of light and color to create 3D movies, microscopes, and sunglasses! How can you use gelatin and a glass of milk to replicate a sunset? Experiment with mirrors and lenses to illustrate reflection, symmetry, and refraction and make your own kaleidoscope.

Grades: 3-5



Winter theme: Architecture and Engineering

Spring Theme: Sound and Flight

Class	Day of Week	Dates	Time	Tuition
Optrix Grades K-2	Monday	Sept 30,	4:00 PM – 5:00 PM	\$215
Kaleidoscope Grades 3-5		Oct 7, 14, 21, 28, Nov 11, 18, Dec 2, 9, 16		

Register by September 16th for our \$10 Early Bird Discount

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.