



SCIENCE & ENGINEERING

Innovation is Everywhere! Big Learning® Science & Engineering: S&E



The Physics of Color and Light

Fall Session Starts October 2018!

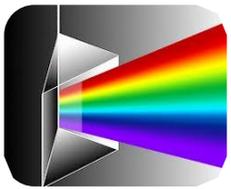


Optrix: Discover the world of color and light with playful experiments and a couple of tricks along the way! Examine the effect of light on pupils and explore the eye adaptations of nocturnal animals. Use prisms to explore colors and wave lengths. Compare light colors to pigments and explore symmetry and reflection with multiple mirrors and crystals. Test the refractive powers of water and gelatin; explore convex and concave mirrors and magnification; and learn about the 'persistence of vision' that explains many common visual effects. (Grades K-1)

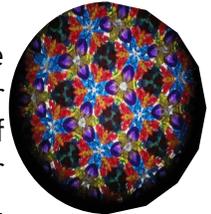


your eyes can see in this light adventurous class! Study the anatomy of your own eye and learn how we 'see'. Explore binocular vision, test for a dominant eye, and compare pigments and light. Learn how light bends with gelatin, water, and fiber optics; make your own binoculars to explore magnification, convex and concave lenses and mirrors; and use mirrors to learn the law of reflection. (Grades 2-3)

Illusions: Step right up and join us as we discover the world of optics! Bounce light off water, break light into pieces and learn how to make straight lines curve without bending them. Come see what



Kaleidoscope: Beam into the future and experiment with fiber optics! 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 learn how light and color are used to create 3D movies, microscopes, and sunglasses! Experiment with mirrors and lenses to illustrate reflection, symmetry, and refraction. (Grades 4-5)



Register and pay online at www.biglearning.org/science by September 24th to receive our early bird special of \$10 off for each S&E class!

Wyngate will be offering the following classes:



Program	Day	Dates	Time	Fee
Optrix, grades K-1	Mondays	10/1, 10/8, 10/15, 10/22, 10/29, 11/5, 11/19, 11/26	All classes 3:30- 4:30 pm	\$159
Illusions, grades 2-3				
Kaleidoscope, grades 4-5				



Winter and Spring offerings at Wyngate are also on the Big Learning® registration site.

For more information, please contact your PTA coordinator today! →

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