

**\$139 for  
8 weeks**

# Innovation is Everywhere!

Big Learning Science & Engineering: S&E 



### Opatrix

Children will discover the world of color and light with playful experiments and a couple of tricks along the way! They will make symmetrical paintings and observe how refracted light behaves. They will make their own mini movie projector and play light target games!

(Grades K-1 or K-2)

### Kaleidoscope

Beam into the future and experiment with fiber optics! Children 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!

(Grades 4-5 or 3-5)

### Illusions

Discover the world of optics! Children will break light into pieces and learn how to make straight lines curve without bending them. Young scientists will compare convex and concave objects and make a set of binoculars in this light adventurous class!

(Grades 2-3 or 1-3)

### Engineering: Building Big and Small

Children will build miniature greenhouses and life-size tipis! In this hands-on series, they will stretch their understanding of what makes structures strong, apply geometry and measurement concepts, and learn new history and vocabulary!

(Grades 2-4 or 2-5)

## Science & Engineering Classes Begin October 2015

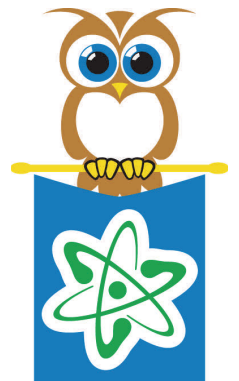
Register and pay online

[www.biglearning.org/science](http://www.biglearning.org/science)



**Your school will be offering the following classes:**

Program	Grades	Day	Time
Opatrix			
Illusions			
Kaleidoscope			
Building Big & Small			



For more information,  
please contact your  
PTA coordinator today!



Big Learning is a non profit founded by the PTA in 1975!

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301-244-5254

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