

# Innovation is Everywhere!

## Big Learning Science & Engineering: S&E



SCIENCE & ENGINEERING



### Anatomy



#### Featured Creatures

Explore the function of skin, hair, feathers, skeletons, and exoskeletons. Discover unique ways animals survive and protect themselves through experimentation and exploration. (Grades K-1 or K-2)

**\$144 for 8 weeks**

#### Jaws and Claws

Everyone has to eat! What can tooth, beak and claw structures tell us about an animal's diet and how they live? Examine different teeth and beaks to find out! (Grades 2-3 or 2-4)

**\$144 for 8 weeks**

#### Clue Club

What can you find in an owl pellet? Can you identify birds just by their songs? Investigate bacteria and fungi that live on your desk by growing them on a Petri dish. Explore DNA and extract it from cells! (Grades 3-5 or 4-5)

**\$144 for 8 weeks**

**Fall Session Starts October 2017!**

### Building Big and Small (Engineering)

**\$144 for 8 weeks**

Build a miniature green roof and life-size tipis. In this hands-on series, children will stretch their understanding of what makes structures strong, learn and apply geometry and measurement concepts, and learn new history, vocabulary, and craft skills. (Grades 2-4)



### Robotics I

**\$155 for 8 weeks**

This exciting offering uses the KIBO robotic system to teach computer coding, logic, and loops. Learn what a robot is and isn't, and what you have to tell KIBO to make it move? How can you command KIBO to make noise, avoid obstacles, shine its light, dance, and then do it all over again? (Grades K-1)

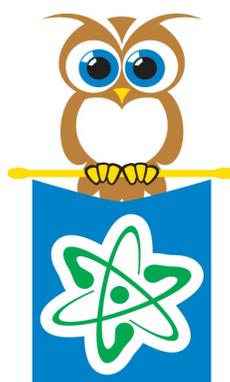
### Robotics II

**\$155 for 8 weeks**

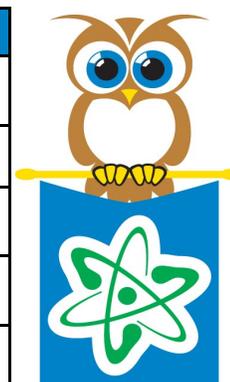
Go further with KIBO by writing more sophisticated conditional statements; use the new voice recording module, and turn your KIBO into many different types of machines with the new Lego® add on platforms. (Grades 1-2)

Register and pay online at [www.biglearning.org/science](http://www.biglearning.org/science) before September 22nd to get our early bird special of \$5 off for each S&E class!

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



| Program                             | Day | Time |
|-------------------------------------|-----|------|
| Anatomy: Featured Creatures         |     |      |
| Anatomy: Jaws and Claws             |     |      |
| Anatomy: Clue Club                  |     |      |
| Engineering: Building Big and Small |     |      |
| Robotics                            |     |      |



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

[science@biglearning.org](mailto:science@biglearning.org) 301 244 5254

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

These materials are neither sponsored nor endorsed by the Board of Education of Montgomery County, the superintendent, or this school.