IEA Academy classes provide exceptionally creative learning opportunities and encourage in-depth exploration of various STEM and humanities subjects.

“IT was more challenging than school but in a good way. I am able to assemble, have my own ideas, and execute them.”

-Academy Student

To receive a Spring Schedule, sign up for our e-mail list at:
www.educationaladvancement.org
**ACADEMY**
INSTITUTE FOR EDUCATIONAL ADVANCEMENT

**SPRING 2020**
Monday, January 27 - Saturday, April 27

★ = New Class  ★ = NAGC Award-Winning Curriculum by Shelagh Gallagher

<table>
<thead>
<tr>
<th>MONDAY</th>
<th>TUESDAY</th>
<th>WEDNESDAY</th>
<th>THURSDAY</th>
<th>FRIDAY</th>
<th>SATURDAY</th>
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</thead>
</table>
| ★ Lego Robotics  
(Ages 6-9)  
4:00-5:30pm  | ★ Intro to Algebra  
**Sierra Madre Elementary**  
(3rd-5th Grade)  
2:30-3:30pm  | **Classes for Ages 6-9:**  
Design Principles in Engineering and Art  
10:30-12:00pm  | **Classes for Ages 6-9:**  
World of Science  
11:00am-12:30pm  | **Classes for Ages 6-9:**  
Page One: Creative Writing  
10:00-11:30am  |
| Science Explorations  
(Ages 9-12)  
4:00-5:30pm  | ★ Introduction to Electronics  
(Ages 6-9)  
4:00-5:30pm  | ★ Creative Math Problem Solving  
12:30-2:00pm  | ★ How to Eat a Poem  
1:00-2:30pm  | ★ Art in Life  
2:00-3:30pm  |
| Ka-Pow: Graphic Novels and the Hero’s Journey  
(Ages 12-14)  
4:00-5:30pm  | ★ Cenozoic Life  
(Ages 9-12)  
4:00-5:30pm  | Biology of Me  
2:15-3:45pm  | ★ The Math Kitchen  
3:00-4:30pm  | **Classes for Ages 9-12:**  
Medical Pathology  
10:00-11:30am  |
| Hacker Calculus  
(Ages 12-14)  
4:00-5:30pm  | Hacker Calculus  
(Ages 12-14)  
4:00-5:30pm  | Intro to Physics  
4:00-5:30PM  | **Classes for Ages 9-12:**  
Math Circle  
11:00am-12:30pm  | Programming with Python  
12:00-1:30pm  |
| **Classes for Ages 9-12:**  
We The People  
10:30-12:00pm  | **Classes for Ages 9-12:**  
Rube Goldberg: Machines and Mazes  
12:30-2:00pm  | **The Creative Process:**  
Research and Development  
(Ages 9-14)  
4:00-5:30pm  | **Classes for Ages 9-12:**  
Mammalogy  
1:00-2:30pm  | Secrets of the Snake  
2:00-3:30pm  |
| **Classes for Ages 12-14:**  
Forensic Science  
10:30-12:00pm  | **Classes for Ages 12-14:**  
Harry Potter: Behind the Words  
2:15-3:45pm  | **Science Fiction:**  
Build Your Own Solar System  
1:00-2:30pm  | **Classes for Ages 12-14:**  
Electronics and Arduino I  
10:00-11:30am  | Dungeons & Dragons  
12:00-1:30pm  |
| ★ Harry Potter: Behind the Words  
2:15-3:45pm  | ★ Robotics  
4:00-5:30PM  | ★ Pre-Calculus  
2:15-3:45pm  | ★ Cultural Anthropology  
3:00-4:30pm  | The Science of Plastics  
2:00-3:30pm  |
| ★ Aeronautics and Astronautics  
4:00-5:30PM  | **Classes for Ages 12-14:**  
Global Awareness  
12:30-2:00pm  | **Classes for Ages 12-14:**  
What’s Your Strategy? Board Game Design  
11:00am-12:30pm  | **Classes for Ages 12-14:**  
What’s Your Strategy?  
11:00am-12:30pm  | **Classes for Ages 12-14:**  
Dungeons & Dragons  
12:00-1:30pm  |

**WANT TO LEARN MORE?**
Come to our Open House and Tree Trimming on December 6th at 540 South Marengo Avenue, Pasadena.

This schedule is provisional and is provided for your planning convenience only. Days and times are subject to change. Some classes will require prerequisites and/or materials fees. Applications and additional information available at [www.educationaladvancement.org](http://www.educationaladvancement.org).