

ASTEME Home School Programs

ASTEME's innovative and dynamic home school program is designed by Allan Yu with the purpose of bringing a unique projects-based learning environment to the community. Allan has an extensive background in curriculum development and has helped some of the best progressive schools in West Los Angeles develop their math curriculum. His experience as a director with the UCLA Math Project, and background in special education, engineering and psychology has allowed him to create an innovative, multi-curriculum, and individualized home school program.

In addition to the incredible STEM, coding and science classes we had last year, ASTEME is excited to offer all day options for students who wish to spend more time here learning and socializing. Families have the option of not coming all day by selecting any combination of grade appropriate classes throughout the week.

The cost of each class is \$30/hour. Discounts offered for the twice a week STEM classes only.

All-day Options: 4 classes per day

- Twice a week:
 - Tuesday & Thursday (8:30AM-3:30PM)
 - Monday & Thursday (8:30AM-3:30PM)
- Once a week:
 - Monday (8:30AM-3:30PM)
 - Tuesday (8:30AM-3:30PM)
 - Thursday (8:30AM-3:30PM)

Our STEM + Math Classes:

- **If you sign up for our Tuesday/Thursday or Monday/Thursday STEM classes, you receive a 15% combo discount (\$110 savings for twice a week).**
- We HIGHLY recommend taking the twice a week 10:30AM STEM classes (our most popular classes) with the appropriate 12:30PM math classes that follow.
- The following 2-day STEM + Math options are available
 - Tuesday & Thursday (1030AM-130PM)
 - Monday & Thursday (1030AM-130PM)
 - 2-day STEM + Math options may be taken with the 3rd math class option.
- You may also take the STEM + Math combination once a week

Math focused Classes:

- Our math classes are individualized to meet the needs of every student
- You may take any combination of the following three math class timeframes. To have the most enriching math experience, we recommend coming all three days.
 - Monday: 12:30-1:30PM, Tuesday: 12:30-1:30PM, Thursday: 12:30-1:30PM

Science Classes:

- Chemistry Classes: Two classes will be offered (K-4th, and 5th-10th) with a focus on applying the scientific method in this hands-on experiment-based class. This class will be different than last years.
- Physics: Two classes will be offered (K-4th, and 5th-10th) with an emphasis on hands on experiments. The focus will be on exploring electromagnetism, gravity, Newton's laws of motion and much more.
- An Arts & Science in Ancient Greece class will be offered for students 5th grade and older on Mondays. This class will explore ancient Greek mythology, art, architecture, and innovation, and how their culture continues to affect our world today.

Technology & Engineering Classes:

- We will be offering two Tech Expressions Maker classes where students will create projects that exist at the intersection between technology and creative expression, with a focus on developing hands on artistic skills as well as tech fundamentals.
- An inventions focused 3D print and design class will be offered where students will brainstorm, create, design and print out prototypes of their inventions.
- A LEGO Architecture class will be offered on Mondays focusing on building, structural engineering and architecture.

Computer Coding Classes: 3 Different Levels on Thursdays

- Beginning Coding:
 - For students who are emerging typists and who have less than 40 hours of coding experience. The focus will be on developing coding logic using SCRATCH.
- Intermediate Coding:
 - For students who are comfortable typing and who have more than 40 hours coding experience. The focus will be on transitioning students to text-based coding using Python, BASIC, and Java-script.
- Advanced Coding:
 - For older students who would like to learn object-oriented coding and app development using Apple iOS Swift & Objective-C.

ASTEME FALL SCHEDULE

Monday:

8:30AM-9AM: Free-time

9AM-10:00PM: 2 Electives

- 3D Printing & Design (5-10)
- LEGO Architecture (K-4)

1030AM-1200PM STEM

- K-10th

12:30PM-1:30PM Math

- Elementary Math (K-2)
- Elementary Math (3-5)
- Pre-Algebra/Algebra
- Algebra/Algebra 2

2:00PM-3:00PM 2 Electives

- Physics (K-4)
- Arts and Science in Ancient Greece (5-10)

3:00PM-3:30PM Free-time

Tuesday:

8:30AM-9AM: Free-time

9AM-10:00PM: 2 Electives

- Chemistry (K-4)
- Tech Expression Maker Class (5-10)

10:30AM-12:00PM STEM

- K – 10th

12:30PM-1:30PM Math

- Elementary Math (K-2)
- Elementary Math (3-5)
- Pre-algebra/Algebra
- Algebra/Algebra 2

2:00PM-3:00PM 2 Electives

- Physics (5-10)
- 3D Printing (K-4)

3:00PM-3:30PM Free-time

Thursday:

8:30AM-9AM: Free-time

9AM-10:00PM: 2 Electives

- Chemistry (5-10)
- Tech Expression Maker Class (K-4)

10:30AM-12:00PM STEM

- K – 10th

12:30PM-1:30PM Math

- Elementary Math (K-2)
- Elementary Math (3-5)
- Pre-algebra/Algebra
- Algebra/Algebra 2

2:00PM-3:30PM Coding

- Beginning
- Intermediate
- Advanced