

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 (8:30AM-3:00PM) & Thursday (8:30AM-3:30PM)
 - Monday (8:30AM-3:00PM) & Thursday (8:30AM-3:30PM)
- Once a week:
 - Monday (8:30AM-3:00PM)
 - Tuesday (8:30AM-3:00PM)
 - 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:

- **Biochemistry Classes (K-4th & 5th-10th)** : Explore the connection between biology and chemistry in this hands-on class. Will include experiments with cells, DNA, and genetics as well as plant life and exobiology.
- **Physics - Photography and light (5th-10th)** : Get hands on with light in this combination art and physics class. We will explore light and optics concepts while learning photographic techniques including film and digital photography.
- **Science & Art (K-4th)**: Explore biology, chemistry, and physics through the lens of art. Every experiment will give students hands on experience with a scientific concept while allowing them to use their creative side.

Technology & Engineering Classes:

- **Escape room design (5th-10th):**
 - Discover the art of immersive design and extreme puzzle solving! Over the duration of the session, we will collaborate to build our own escape room, while solving plenty of puzzles and challenges along the way.
- **Home Tech (K-4th,5th-10th):**
 - A home economics class for the 21st century! The class will focus on developing applicable life skills like soldering (5th-10th), sewing, plant growing, food and nutrition, and much more, while exploring the math and science found in our everyday lives.
- **Game Play, Design and Theory (K-4th):**
 - An awesome class for creative students who love playing games. We will learn strategies and theory for game play and design our own games and pieces (3D printing).
- **Typing and Computer Literacy (4th-10th):**
 - An incredible class focusing on improving typing speed while learning how to use Photoshop for graphic designing, Audacity for sound editing, video editing, Sketch-up for 3D Printing, Microsoft Office (Excel & Powerpoint), and much more!
- **More LEGO Adventures (K-4th):**
 - Join us for more LEGO adventures as we continue our journey learning about famous architects and engineers while exploring the science and engineering behind some of the most famous structures in and out of this world!

Computer Coding Classes: 3 Different Levels

- **Robotics 101:**
 - For students who are beginning coders who would like to learn how to program LEGO Mindstorms robots to complete incredible missions on “Mars”
- **Intermediate/Advanced Coding focused on Augmented Reality:**
 - For students who would like to learn how to program Augmented Reality using object-oriented coding and app development using Apple iOS Swift.

Movement Classes:

- **Yoga/Movement/Meditation:**
 - Meditation & yoga help our brains relax, our bodies unwind, and our minds to focus. We will use movement and breath techniques to reset, center, and restore our mind’s capacity to tackle any problem.
- **Improv 101:**
 - Come learn how to act and play using improvisation. We will play games, build characters, and learn how to be in the moment. Improv is a skill that can be applied in everyday life; the class will teach leadership skills and help develop confidence.

ASTEME WINTER SCHEDULE

Monday:

8:30AM-9AM: Free-time

9AM-10:00PM: 2 Electives

- Typing & Computer Literacy (4th-10)
- More LEGO Adventures (K-4th)

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

- Science and Art (K-4)
- Home Tech (5-10)

Tuesday:

8:30AM-9AM: Free-time

9AM-10:00PM: 2 Electives

- Biochemistry (K-4)
- Escape Room Design (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

- Biochemistry (5-10)
- Game play, design and theory (K-4th)

Thursday:

8:30AM-9AM: Free-time

9AM-10:00PM: 2 Electives

- Physics – Photography and Light (5th-10th)
- Home Tech (K-4th)

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

12:30PM-1:30PM

- Yoga/Movement/Meditation (all ages)

2:00PM – 3:00PM

- Improv 101 (all ages)

2:00PM-3:30PM Coding

- Robotics 101
- Intermediate/Advanced iOS Coding