



Math for Future Scientists with Maria Melkumyan

Students in this class will go beyond grade level science standards by diving into challenging concepts that integrate mathematical applications across scientific fields. Through hands-on, inquiry-based activities, students will learn to convert miles to light years as astronomers, balance equations as chemists, calculate ratio and proportions as medical doctors, learn coding as computer scientists, and more! Mastery will be demonstrated by the ability to problem-solve across scientific disciplines using math, and the creation of a final project illustrating concepts covered.

Prerequisites: Students should be comfortable with multiplication and division.

GRADES 3-5

APPLY BY October 4, 2019

Sessions Cost \$270

Scholarships Available!

October 8 - December 3, 2019

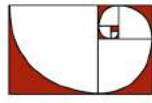
TUESDAYS, 2:30-3:30 PM

**Flip this flyer over for additional
K-8 courses in Pasadena!**

MEET MARIA

Ms. Melkumyan holds a Master's Degree and Bachelor's degree in Computer Science from Polytechnic Institute in Yerevan, Armenia. Ms. Melkumyan has over 25 years of experience teaching Math, Physics, and Computer Science at a range of institutions including public and private schools, and community colleges. Ms. Melkumyan loves teaching Math, and is dedicated to teach children how to think and apply mathematical principles in their daily lives. She loves traveling, exploring different places and appreciating different cultures!

Apply today at www.educationaladvancement.org. Questions? Contact us at 626-403-8900 or Academy@educationaladvancement.org.



ACADEMY

INSTITUTE FOR EDUCATIONAL ADVANCEMENT



FALL 2019

Monday, September 9 - Saturday, December 7

★ = New Class

★ = NAGC Award-Winning Curriculum by Shelagh Gallagher

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
<p>★ Hacker Geometry (Ages 9-12) 2:00-3:30pm</p> <p>★ Math for Future Engineers (Ages 6-9) 4:00-5:30pm</p> <p>★ Ka-POW! Graphic Novels and The Hero's Journey (Ages 9-12) 4:00-5:30pm</p> <p>Hacker Calculus (Ages 12-14) 4:00-5:30pm</p>	<p>Sierra Madre Elementary School (All Academy Students Welcome)</p> <p>Math for Future Scientists Course runs 8-weeks from Oct 8 - Dec 3 2:30pm-3:30pm</p> <p>IEA Academy</p> <p>★ Seeds of Science (Ages 6-9) 4:00-5:30pm</p> <p>★ Secrets of the Snake (Ages 9-12) 4:00-5:30pm</p> <p>Anatomy and Physiology (Ages 12-14) 4:00-5:30pm ★</p>	<p>Classes for Ages 6-9:</p> <p>And Then What? Improv 101 10:30am-12:00pm</p> <p>World Mythology and Fairy Tales 12:30-2:00pm</p> <p>Math for Future Architects 2:15-3:45pm</p> <p>Rube Goldberg: Machines and Mazes 4:00-5:30PM</p> <p>Classes for Ages 9-12:</p> <p>★ Govern and Sustain Your Own Country: Systems and Sovereignities 10:30am-12:00pm</p> <p>★ Active Algebra 2 12:30-2:00pm</p> <p>★ A Final Appeal: To Kill a Mockingbird and the First Amendment 2:15-3:45pm</p> <p>Shark Tank 4:00-5:30PM</p> <p>Classes for Ages 12-14:</p> <p>Rocket to Calculus 10:30am-12:00pm</p> <p>Medieval Science and Machinery ★ 12:30-2:00pm</p> <p>Algorithms: Processes & Pathways 2:15-3:45pm</p> <p>★ Black Death: Problem Solving the Plague 4:00-5:30PM</p>	<p>★ Bees and Other Builders (Ages 6-9) 4:00-5:30pm</p> <p>Scientific Explorations in Nature & Technology (Ages 9-12) 4:00-5:30pm</p> <p>From Script to Screen: Writing the Next Great Movie (Ages 9-12 and 12-14) 4:00-5:30pm</p>	<p>Classes for Ages 6-9:</p> <p>Primary Math with Beast Academy 11:00am-12:00pm</p> <p>Periodic Table: Essential Elements 1:00-2:30pm</p> <p>Inventioneers 3:00-4:30pm</p> <p>Classes for Ages 9-12:</p> <p>Roller Coaster Design 11:00am-12:30pm</p> <p>★ A Short History of Nearly Everything 1:00-2:30pm</p> <p>★ Myths and Monsters II 3:00-4:30pm</p> <p>Classes for Ages 10-14:</p> <p>★ Executive Functioning: Training the CEO of Our Brain 11:00am-12:30pm</p> <p>Classes for Ages 12-14:</p> <p>Genetics: A Splice of Life 1:00pm-2:30pm</p> <p>★ The Power of Speech and Debate 3:00pm-4:30pm</p>	<p>Classes for Ages 6-9:</p> <p>★ The Plot Thickens: Creative Writing 10:00-11:30am</p> <p>Biology of Me 12:00-1:30pm</p> <p>STEAM Building 2:00-3:30pm</p> <p>Classes for Ages 9-12:</p> <p>★ Scientific Literacy: Genetic Technologies 10:00-11:30am</p> <p>What's Your Strategy? Board Game Design 12:00-1:30pm</p> <p>Dungeons and Dragons 2:00-3:30pm</p> <p>Classes for Ages 12-14:</p> <p>Siri: What is Natural Language Processing? 10:00-11:30am</p> <p>Zoo Design 12:00-1:30pm</p> <p>Take Shape! 3D Design and Printing 2:00-3:30pm</p>

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.