

# 2025 – 2026 Homeschool Science Experience Enrichment Days (SEED)

Ages 5 - 7 and 8 - 10

What does it take to make a seed grow? The seed needs water, nutrients and light to grow. Let MOSI help your child grow with our new Homeschool SEED days!

SEED Days are monthly enrichment classes for your homeschooler that complement your homeschool curriculum through hands-on explorations of STEAM (Science, Technology, Engineering, Art and Mathematics).

- Classes are from 1 3 pm
- Homeschool classes are for students only. We ask that parents make other arrangements during class time.
- Pre-registration and payment are required at least one week in advance.

Program fee: \$25 per program
 MOSI Member: \$20 per program

# SEED Classes for Ages 5 – 7

Mix it Up! Exploring Matter and Reactions- (Chemistry) September 9, 2025 OR September 11, 2025 What's a solid, liquid, or gas? Kids will explore the different states of matter, mix things together, and see what happens when materials change. We'll even try simple, safe experiments to see fun reactions in action!

#### Jr. Detectives- (Forensics) October 7, 2025 OR October 9, 2025

Put on your thinking cap and help solve mini-mysteries using real science! We'll look at fingerprints, footprints, hair, and more to figure out clues. It's detective work made just right for curious kids.

#### Plant Power- (Biology) November 4, 2025 OR November 6, 2025

What do plants need to grow, and where do they live? Kids will learn about plant parts, explore how animals like squirrels change their environment, and match plants to their homes. We'll even talk about how to take care of nature by reducing, reusing, and recycling.

#### Wild Weather Watchers- (Weather) December 2, 2025 OR December 4, 2025

Is it rainy, snowy, or sunny today? Little learners will explore different kinds of weather, see how we measure temperature, and learn what makes big storms like tornadoes and hurricanes. We'll become weather watchers with fun tools and hands-on activities!



Put on your engineer's hat and get ready to imagine, build, and test your own ideas! We'll create things like a racetrack, a sunshade, and ways to stop water from washing away soil. Young engineers will have fun solving real-world problems with creativity and teamwork.

# Out of this World: A Space Adventure- (Space) February 3, 2026 OR February 5, 2026

Blast off into space to learn about the planets, the Moon, and stars in the sky. We'll look at what we can see during the day and night and explore moon phases with fun hands-on activities. It's a space adventure just right for little astronauts!

#### Bright Ideas and Bold Sounds- (Light and Sound) March 3, 2026 OR March 5, 2026

What makes light and sound? Kids will explore shadows, rainbows, and different materials that light can pass through—and learn how we use light and sound to talk and make music. It's a bright and noisy adventure in science!

#### All About You!- (Genetics) April 7, 2026 OR April 9, 2026

Why do you have curly hair or freckles? In this fun class, kids will look at traits they can see, compare how people and animals are alike and different, and explore how traits help living things survive. We'll play games and discover what makes each of us special!

### SEED Classes for Ages 8 - 10

#### Happily Ever After... with Science!- (Physics) September 9, 2025 OR September 11, 2025

Step into the world of fairy tales and discover the science hiding behind the magic! In this imaginative and hands-on homeschool class, students will explore classic storybook scenarios—like building Rapunzel's tower, testing how strong the Three Little Pigs' houses are, and creating awesome potions. By blending creativity with real-world science, learners will experiment, problem-solve, and make discoveries while having a blast.

#### Superstar- (Space) October 7, 2025 OR October 9, 2025

Blast off into an exciting exploration of our solar system in this engaging homeschool class! Students will learn about the planets, through hands-on activities. Build models, and conduct simple experiments that demonstrate planetary phenomena. This class is perfect for curious learners who love space and science.

#### Environmental Explorers- (Biology) November 4, 2025 OR November 6, 2025

Get ready to dig into the wonders of nature and become a young environmental scientist! In Environmental Explorers, students will investigate the Backwoods habitats. Students will learn how living things interact with their environment. This class encourages curiosity, critical thinking, and a deeper appreciation for the natural world.



#### What's the Matter?- (Chemistry) December 2, 2025 OR December 4, 2025

Get ready to investigate the world around you like never before in What's the Matter, an exciting dive into the states of matter! In this hands-on science class, students will explore solids, liquids, and gases through engaging experiments. Young scientists will learn how matter changes, behaves, and shapes our everyday lives.

Standing on the Shoulders of Giants- (Scientific Discovery) January 6, 2026 OR January 8, 2026

Step into the minds of history's greatest scientific thinkers in this journey through time that brings science to life through the lives and discoveries of four trailblazing pioneers: Galileo Galilei, Sir Isaac Newton, Albert Einstein, and Rosalind Franklin. In this unique class, students will explore how each of these scientists revolutionized our understanding of the universe. From peering through telescopes with Galileo to unlocking the mysteries of motion with Newton, bending time and space with Einstein, and discovering the hidden beauty of DNA with Rosalind Franklin. Students will not only learn science, but also the stories behind the discoveries.

#### Robot Games- (Robotics) February 3, 2026 OR February 5, 2026

Get ready to design, build, and compete in this action-packed robotics class where innovation meets engineering! Students will dive into the exciting world of robotics, learning the fundamentals of design, mechanics, and coding. This class will put your students problem-solving skills to the test.

#### Creative Designers- (Engineering) March 3, 2026 OR March 5, 2026

Welcome to Creative Designers—a hands-on digital design lab where imagination meets innovation! In this course, students will dive into the world of modern making by combining art, engineering, and technology through real-world tools like Cricut machines, laser cutters, and 3D printers. Whether your student dreams of becoming a product designer, engineer, or digital artist, this course gives them the tools to create, customize, and fabricate like a pro.

#### The Power Company- (Electricity) April 7, 2026 OR April 9, 2026

Get ready to spark curiosity and power up learning. This month is an electrifying class all about circuits, circuit design, and the fascinating world of electronics. Students will dive into the basics of electrical current, components, and design principles while building their own working circuits from scratch.

### Technology and Engineering SEED Days! Ages 8 – 13

Technology and Engineering Days are a hands-on way to prepare for the future using technology to design, invent, and build in creative and imaginative ways.

- Classes are from 10am 12pm
- Tuesday is for 8 10 year olds; Thursday is for 11 13 year olds
- Homeschool classes are for students only. We ask that parents make other arrangements during class time.
- Pre-registration and payment are required at least one week in advance.
- Program fee: \$25 per program
   MOSI Member: \$20 per program

#### Go for Launch!- September 9, 2025 OR September 11, 2025

Get ready for liftoff as we build and launch a high-flying model rocket! Learn about Newton's Laws of Motion and a bit of space history in this class that's sure to be a blast.

#### Lights .. Camera .. Action!- October 7, 2025 OR October 9, 2025

Follow a storyboard and use creative techniques to bring characters and ideas to life! Learn what it takes to film and edit a short video, which will be uploaded to a private YouTube channel for sharing with family and friends.

#### Inventing/Tinkering- November 4, 2025 OR November 6, 2025

Put on your thinking cap and learn about prototyping and tinkering in this hands-on approach to inventing! Use some of the tools in our MakerSpace to design an invention and use iPads to record a short video promoting your creation.

#### **ZAP- December 2, 2025 OR December 4, 2025**

How does flipping a switch cause a light or a fan to turn on? Discover the answer to this question and more as you try your hand at creating circuits in this fun (and safe) class about electricity! Learn to solder simple components for a take-home activity.

#### Programming 101- January 6, 2026 OR January 8, 2026

What better way to learn programming basics than by creating your own shareable retro video game! This minds-on approach to computer science will teach you important concepts such as loops, Boolean logic, conditionals, and more.

#### Minecraft Education- February 3, 2026 OR February 5, 2026

Everybody knows (and loves) this blocky game, but did you know that you can learn STEAM concepts in Minecraft? Brush up on chemistry as you learn about compounds, polish your programming skills as you code in-game, and solidify your spatial thinking block by block!

#### Robo-challenge- March 3, 2026 OR March 5, 2026

Today's robots can vary from app-controlled toys to roving science labs exploring the Martian surface and in this class, you'll learn about their history and consider their future as you assemble and program a robot to complete the class challenge.

#### Bridge the Gap- April 7, 2026 OR April 9, 2026

Today's bridges are both architectural wonders and engineering marvels that help improve connectivity and reduce transportation costs, yet their origins date back thousands of years. Learn about various bridge types and design your own with the goal of it surviving our stress test.



# MOSI 2025-2026 Homeschool Programs Registration Form

(Please use a separate form for each child)

A completed registration form and payment is required at the time of registration. Program registration and payment required one week prior to program date unless otherwise indicated. Program registration and payments made on the same day as the program are subject to an additional \$5 same day registration fee. Programs have a maximum capacity and may not be available the day of the program.

**Cancellation and Refund Policy:** MOSI reserves the right to cancel classes that have not met the minimum enrollment. Students will be placed in an alternative class when possible. If MOSI cancels a class, payment will be fully refunded. A 50% credit or refund may be granted for written requests made 13 or fewer days prior to the first day of the homeschool class. No refunds will be granted on or after the first session. All refund requests must be made in writing.

#### MOSI offers three ways to register:

- 1. **Drop off** at MOSI Admissions Desk 10 a.m. 5 p.m. daily
- 2. Mail to: MOSI Homeschool Program 2025 2026, 4801 East Fowler Ave., Tampa, FL 33617
- 3. Online at www.mosi.org. Payment by credit card only.

Child's Name	Age	DOB	
Parent/Guardian's Name			
Address	City	State ZIP	
Day Phone ( ) Eve	ening Phone ( )	Cell ( )	
e-mail			
Member Status:			
I am a MOSI member. Membership Number	Name on Membe	ership	
I am not a MOSI member.			
I am joining/renewing MOSI r (Complete the membership a			





Child's Name \_\_\_\_\_

Check which program you would like to register for.

# Fill out separate registrations forms for each child

Science Enrichment Ages 5 - 7 \$25 Non-Member Rate \$20 Member Rate per Session	Science Enrichment Ages 8 - 10 \$25 Non-Member Rate \$20 Member Rate per Session	<b>Technology Enrichment Ages 8 - 13</b> \$25 Non-Member Rate \$20 Member Rate per Session	
Mix it Up	Happily Ever After Go for Launch!		
September 9 ORSeptember 11	September 9 ORSeptember 11	September 9 ORSeptember 11	
Jr. Detectives	Superstar	Lights, Camera, Action!	
October 7 <b>OR</b> October 9	October 7 <b>OR</b> October 9	October 7 <b>OR</b> October 9	
Plant Power	Environmental Explorers	Inventing/Tinkering	
November 4 ORNovember 6	November 4 <b>OR</b> November 6	November 4 <b>OR</b> November 6	
Wild Weather Watcher	What's the Matter?	Zap	
December 2 <b>OR</b> December 4	December 2 <b>OR</b> December 4	December 2 <b>OR</b> December 4	
Design It! Build It! Test It!	Standing on the Shoulders of Giants	Programming 101	
January 6 <b>OR</b> January 8	January 6 <b>OR</b> January 8	January 6 <b>OR</b> January 8	
Out of the World	Robot Games	Minecraft Education	
February 3 <b>OR</b> February 5	February 3 <b>OR</b> February 5	February 3 <b>OR</b> February 5	
Bright Ideas and Bold Sounds	Creative Designers	Robo-Challenge	
March 3 <b>OR</b> March 5	March 3 <b>OR</b> March 5	March 3 <b>OR</b> March 5	
All About You!	The Power Company	Bridge the Gap	
April 7 <b>OR</b> April 9	April 7 <b>OR</b> April 9	April 7 <b>OR</b> April 9	

Payment: (Please check one below) Full pay	ment must accompa	ny registratio	n form.
Cash (in person only) in amount of \$ _			
Check (payable to MOSI, Inc.) #	in amount of \$		
Visa MasterCard Ameri	can Express	Discover	
Account #	_ Expiration	CVV	Zip
Name on cardSignature		Office Use C Registrar's In Date of Proc	•