



2026 – 2027 Homeschool Science Experience Enrichment Days (SEED)

Ages 5 – 7 and 8 – 10

What does it take to make a seed grow? A seed needs water, nutrients, and light to thrive...and so does your child's learning! Let MOSI help your learner grow with our Homeschool SEED Days where curiosity is planted and discovery blooms.

SEED Days are monthly enrichment classes designed especially for homeschool students. Each session complements your homeschool curriculum through hands-on STEAM experiences that bring learning to life. Your child will not just learn science...they will do science!

Science Program Details:

- Classes are from 1:00 – 3:00pm
- 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

Science SEED Classes for Ages 5 – 7

Fantastic Fliers (Forces and Flight)

Tuesday, September 1, 2026 OR Thursday, September 3, 2026

Get ready to soar! Fantastic Fliers is a fun-filled, 2-hour hands-on science adventure where young learners explore the amazing world of flight. Designed especially for curious kids ages 5–7, this class combines creativity, discovery, and play to help children understand how things fly.

Ooze and Ahhs (Chemistry)

Tuesday, October 6, 2026 OR Thursday, October 8, 2026

Get ready for a squishy, gooey, and totally exciting science adventure! Young scientists dive into the fascinating world of chemistry through messy, magical fun. Kids will mix, stretch, and experiment with all kinds of slimy creations while discovering basic chemistry concepts like reactions, mixtures, and changes in materials. From making their own slime to exploring bubbling potions and oozy textures, every activity is designed to spark curiosity and creativity.

Fall Science Frenzy (Weather and Seasons)

Tuesday, November 3, 2026 OR Thursday, November 5, 2026

Get ready to explore the science of fall. Kids will discover what makes autumn so special through colorful, interactive experiments and creative activities. Throughout the class, kids will learn simple science concepts like chemical reactions, weather, and plant changes—all through play, movement, and exploration. There is plenty of building, mixing, and experimenting to keep little hands busy and minds engaged.

Far Out! A Space Adventure (Space)

Tuesday, December 1, 2026 OR Thursday, December 3, 2026

Blast off into an out-of-this-world science experience! Young explorers journey through the wonders of space. Students will discover planets, stars, and rockets through interactive experiments and creative activities. Kids will build their own mini rockets, explore how astronauts live and work, and learn what makes things fly beyond Earth. Along the way, they will investigate simple science concepts like gravity, motion, and the solar system—all through play and discovery.

Engineering the Future (Engineering)

Tuesday, January 5, 2027 OR Thursday, January 7, 2027

Get ready to think, build, and create, as students become engineers and problem-solvers. In this engaging session, students will explore the basics of engineering by designing and building their own creations using a variety of fun materials. From solving real-world problems, coding and building simple robots, and experimenting with simple machines, kids will learn how engineers solve real-world problems through creativity, teamwork, and trial-and-error.

Sweet Science (Chemistry)

Tuesday, February 2, 2027 OR Thursday, February 4, 2027

Treat your curiosity to something sweet! Sweet Science is a fun-filled, hands-on class where young learners explore the science behind their favorite sugary treats—perfect for the month of February. In this exciting session, students will experiment with candy and simple ingredients to discover fascinating science concepts. From making colorful candy reactions and exploring melting chocolate to testing how different sweets dissolve, kids will learn about chemistry, states of matter, and changes in materials in a deliciously fun way.

Marching with the Dinosaurs (Paleontology)

Tuesday, March 2, 2027 OR Thursday, March 4, 2027

Stomp, chomp, and explore the prehistoric world! Travel back in time to discover the incredible creatures that once roamed the Earth. In this action-packed session, students will dig into dinosaur science through fun, interactive activities. Kids will create their own "fossils," build and test dinosaur models, and learn how scientists study these ancient giants. Along the way, explore concepts like habitats, adaptation, and how fossils are formed.

Let's Get Physical (Physics)

Tuesday, April 6, 2027 OR Thursday, April 8, 2027

Push, pull, roll, and explore! Discover the exciting world of matter and physics through movement and play. In this interactive session, students will investigate how things move and why through fun experiments and building challenges. Kids will explore forces like pushes and pulls, test how objects slide and roll, and discover the properties of different types of matter. From racing ramps to hands-on experiments, every activity is designed to get kids thinking, moving, and experimenting.



Science SEED Classes for Ages 8 – 10

Fly Like an Eagle (Flight)

Tuesday, September 1, 2026 OR Thursday, September 3, 2026

Take your learning to new heights in this exciting exploration of the science of flight! Students will discover how forces like lift, thrust, drag, and gravity work together to make things fly. Using this knowledge, they'll design and build their own flying vehicles, then test them to see how high and how far they soar. Through hands-on experimentation and creative problem-solving, students will think like engineers and take flight in a fun and engaging way.

Journey through the Stars (Space)

Tuesday, October 6, 2026 OR Thursday, October 8, 2026

Blast off into an out-of-this-world exploration of space—the final frontier! In this hands-on class, students will investigate how phenomena like orbit keep astronauts aboard the International Space Station and power missions like Artemis II. They'll explore the vast distances between planets, discover why planetary weather varies so dramatically, and examine the challenges of traveling through space. Along the way, students will learn about the materials and technology needed for a journey to Mars, thinking like real scientists and engineers as they explore the universe.

Chemistry Chaos (Chemistry)

Tuesday, November 3, 2026 OR Thursday, November 5, 2026

Get ready for hands-on science like you've never experienced before! In this exciting chemistry class, students will discover that chemistry is all about exploring, experimenting, and having fun while learning. They will investigate what happens when different compounds are combined and observe the surprising and sometimes colorful reactions that result. Students will also explore how chemists use these reactions to create and improve the everyday products we rely on. Through engaging experiments and discovery-based learning, they'll think like real scientists in the lab!

The Blueprint of Life (DNA)

Tuesday, December 1, 2026 OR Thursday, December 3, 2026

What makes you unique and special? Why do you sometimes hear that you look or act like a family member? The answer lies in genetics—and in three powerful letters: DNA! In this engaging, hands-on class, students will explore the building blocks of life that are passed down through generations to make each person one of a kind. They will compare DNA extracted from plants and humans and investigate how scientists study genetic material. Students will also be introduced to gel electrophoresis through simple, age-appropriate experimentation to see how DNA can be separated and analyzed. Along the way, they'll discover how genetics shapes who we are and connects us to every living thing around us.

STEM Olympics (Integrating Science, Technology, Engineering and Mathematics)

Tuesday, January 5, 2027 OR Thursday, January 7, 2027

On your mark, get set, build! Welcome to the STEM Olympics, where students use the power of science, technology, engineering, and math to compete in exciting, hands-on challenges. Participants will design and test a variety of creative engineering solutions, including building a straw javelin that flies the farthest, constructing a marble run using foam insulation, tape, and simple materials to achieve maximum speed and distance, and engineering a catapult to launch a cotton ball as far as possible. Each event challenges students to think like engineers—planning, building, testing, and improving their designs for the best possible results. With creativity, teamwork, and problem-solving, students will compete for gold in this action-packed STEM experience. Will you rise to the challenge and become a STEM Olympian?

In the Physics Lab (Physics)

Tuesday, February 2, 2027 OR Thursday, February 4, 2027

This class will bring a glide to your stride and a bounce to your step as we dive into the exciting world of physics! Students will explore the forces that shape our everyday lives through hands-on experiments and discovery-based learning. We'll investigate gravity and learn what "Gs" are, experiencing how forces affect motion in fun and engaging ways. Students will also explore energy transfer by creating kinetic art that keeps motion going. In addition, we'll experiment with light and prisms to uncover how rainbows are formed and how light can be separated into a spectrum of color. Through interactive activities and creative exploration, students will think like physicists while having fun discovering how the universe really works.

Storm Chasers (Weather)

Tuesday, March 2, 2027 OR Thursday, March 4, 2027

What causes storms? Can lightning strike from both above and below? Why are tornadoes so powerful and destructive? Students will explore these questions and more in this exciting, hands-on weather class. Through engaging activities and experiments, learners will discover how different types of precipitation form, including rain, snow, sleet, and hail. They'll also investigate why weather can vary so dramatically around the world—why it may be sunny in one location while another is experiencing freezing temperatures. By the end of the class, students will better understand the forces that shape our atmosphere and how meteorologists predict the ever-changing weather forecast. Get ready for a fun and fascinating journey into the science of storms!

Just Build It! (Engineering)

Tuesday, April 6, 2027 OR Thursday, April 8, 2027

Your mission is to design and build structures that can withstand real engineering challenges! Students will put their creativity and problem-solving skills to the test as they explore what makes buildings strong, stable, and reliable. They will attempt challenges such as constructing the tallest freestanding structure that can support a jumbo marshmallow, and designing a model strong enough to support the weight of a classmate without collapsing. Along the way, students will learn how engineers use planning, testing, and redesigning to improve their creations. These and other exciting engineering challenges await—are you ready to build, test, and succeed?

Technology and Engineering SEED Days! Ages 8 – 13

What will your child create when imagination meets innovation? At MOSI's Technology and Engineering Days, students explore how ideas turn into real-world solution by designing, building, and experimenting with technology in exciting, hands-on 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!

Tuesday, September 1, 2026 OR Thursday, September 3, 2026

Celebrate the launch of the Roman Space Telescope by building and launching your very own model rocket! Learn about the major forces impacting rockets and watch yours take to the skies when we hit T-0.

Watt's the Matter?

Tuesday, October 6, 2026 OR Thursday, October 8, 2026

Create your very own paper Jack-o-Lantern using a hand-made circuit and take it home to finish decorating. Learn about voltage, LEDs, resistance, and more in this electrifying class all about circuits!

Design Station

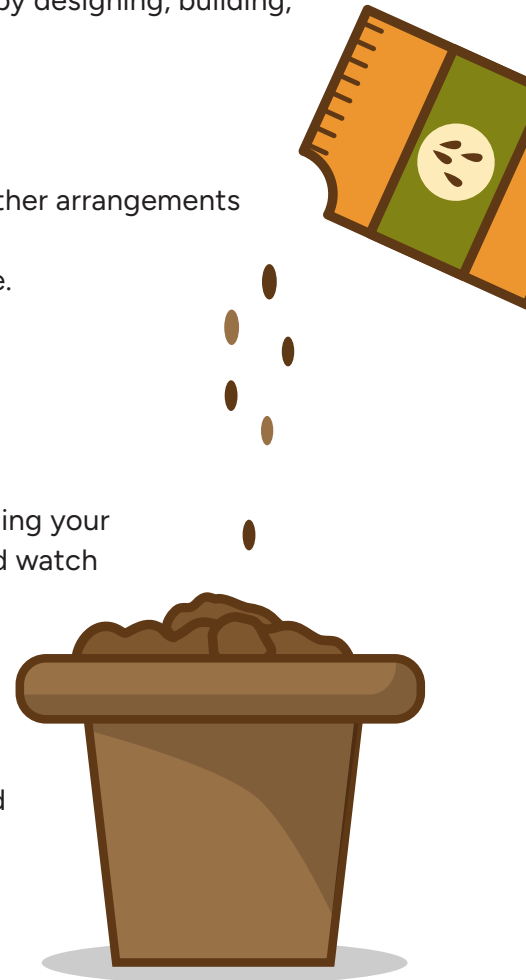
Tuesday, November 3, 2026 OR Thursday, November 5, 2026

3D printing has revolutionized the way we develop products and ideas and in this class, you'll take on the role of a product engineer and learn to create a virtual model of your idea! Due to the nature of 3D printing, students will receive a pre-printed model in class.

Mine-imation

Tuesday, December 1, 2026 OR Thursday, December 3, 2026

Learn basic animation techniques as you wield powerful tools to create animated videos using blocks, items, and characters from everyone's favorite blocky game, Minecraft! Share your finished video with family and friends and download the program at home to keep working on your video masterpiece.



Video Game Programming

Tuesday, January 5, 2027 OR Thursday, January 7, 2027

Have you ever wondered how video games work? This class will offer a hands-on approach to help answer that question and more! Create characters, add animations, sounds, behaviors, and more as you craft your video game using simple code. No programming experience necessary.

Robot Craze

Tuesday, February 2, 2027 OR Thursday, February 4, 2027

We've used programming to move virtual characters around a screen, but now you get the chance to use programming to control real robots in the physical world! Learn about motors, sensors, and more as you follow a blueprint to build a robot out of LEGO and then program it to follow your commands.

Roll with It!

Tuesday, March 2, 2027 OR Thursday, March 4, 2027

What better way to learn about kinetic and potential energy than to create a large Rube-Goldberg style contraption! This class will put our knowledge of physics to the test as we use common household items as well as robot motors and sensors to create a large series of chain reactions!

Planet Earth

Tuesday, April 6, 2027 OR Thursday, April 8, 2027

Celebrate Earth Day by learning all about our water conservation, our wonderful world, and its ecosystems. Use probes to test the water quality of local water sources and use microscopes to examine the unseen.





MOSI
KEEP DISCOVERING

MOSI 2026-2027 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 2026 - 2027, 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 () _____ Evening Phone () _____ Cell () _____

e-mail _____

Member Status:

____ I am a MOSI member.
Membership Number _____ Name on Membership _____

____ I am not a MOSI member.

____ I am joining/renewing MOSI membership at this time.
(Complete the membership application at MOSI.)

MOSI 2026 - 2027 Homeschool SEED Programs Registration Form



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	Technology Enrichment Ages 8 - 13 \$25 Non-Member Rate \$20 Member Rate per Session
Fantastic Fliers ___ September 1 OR ___ September 3	Fly Like an Eagle ___ September 1 OR ___ September 3	Go for Launch! ___ September 1 OR ___ September 3
Ooze and Ahhs ___ October 6 OR ___ October 8	Journey through the Stars ___ October 6 OR ___ October 8	Watt's the Matter? ___ October 6 OR ___ October 8
Fall Science Frenzy ___ November 3 OR ___ November 5	Chemistry Chaos ___ November 3 OR ___ November 5	Design Station ___ November 3 OR ___ November 5
Far Out! ___ December 1 OR ___ December 3	The Blueprint of Life ___ December 1 OR ___ December 3	Mine-imation ___ December 1 OR ___ December 3
Engineering the Future ___ January 5 OR ___ January 7	STEM Olympics ___ January 5 OR ___ January 7	Video Game Programming ___ January 5 OR ___ January 7
Sweet Science ___ February 2 OR ___ February 4	In the Physics Lab ___ February 2 OR ___ February 4	Robot Craze ___ February 2 OR ___ February 4
Marching with the Dinosaurs ___ March 2 OR ___ March 4	Storm Chasers ___ March 2 OR ___ March 4	Roll with It! ___ March 2 OR ___ March 4
Let's Get Physical ___ April 6 OR ___ April 8	Just Build It! ___ April 6 OR ___ April 8	Planet Earth ___ April 6 OR ___ April 8

Payment: (Please check one below) Full payment must accompany registration form.

___ Cash (in person only) in amount of \$ _____

___ Check (payable to MOSI, Inc.) # _____ in amount of \$ _____

___ Visa ___ MasterCard ___ American Express ___ Discover

Account # _____ Expiration Date _____

Name on card _____

Signature _____

Office Use Only:

Registrar's Initials _____

Date of Processing _____