# Camp Spark – Igniting Knowledge! Summer 2023



Camp Spark makes learning fun and links Science, Technology, Engineering, Art, and Mathematics (STEAM) concepts to the real-world.

#### **ABOUT**

MoLab, Inc.'s Camp Spark – Igniting Knowledge! is offered when students in Leon County are on school breaks for the fall, winter, spring, and throughout the summer. Sessions are presented at a local school or organization. The Summer Camp Spark 2023 session will be located at Saint Paul's United Methodist Church at 1700 North Meridian Road, Tallahassee, FL 32303 during weeks 1-4 and 9-10. For weeks 5-8, camp will be hosted at Cornerstone Learning Community located at 2524 Hartsfield Road, Tallahassee, FL 32303. Please see page 3 for the dates of each week.

Summer Camp Spark will offer students 5 years old through the 8th grade the opportunity to participate in art and science activities in a fun, interactive, and safe environment. Each weekly session will present campers the opportunity to explore science through creative play, experimentation, and inquiry-based learning experiences. The sessions present age-appropriate curriculum and are designed to provide students with engaging educational activities that are both informative and entertaining.

Camp sessions are staffed by certified school teachers and/or MoLab, Inc. educators. MoLab, Inc. conducts Level 2 background screenings on all employees/volunteers and maintains a 1:9 adult to child ratio. Weekly sessions are offered by rising grade level and each day will present a new experience with age-appropriate activities.

Camp Spark makes learning fun and links Science, Technology, Engineering, Art, and Mathematics (STEAM) concepts to the real-world.

#### HOW TO REGISTER

Registration begins March 8, 2023. Our Camps fill on a first-come, first-served basis. Please register early as Camps fill quickly. A \$40 **nonrefundable deposit** is required to register for each session, which is subtracted from the total Registration Fees. Complete payment, including Camp tuition and other related fees, for Camp sessions Weeks 1-4 are due by May 26, Camp sessions Weeks 5-8 by June 23, and Camp sessions Week 9-10 are due by July 21. Clients may also choose to pay in full at the time of Registration. Please note that the client is responsible for the balance unless cancelations are received 2 weeks prior to the start date of a session. Refunds will only be given up to 2 weeks prior to the start of a session **minus the \$40 nonrefundable deposit**. Payments become **nonrefundable within two weeks** of the Camp start date.

Please complete one registration form for each Camper (photocopies are acceptable).

Select **Camp sessions based on the grade level that the Camper will be entering in the fall of 2023.** Be sure to include title, code, and correct fees on the Registration Form. If registering more than one child, deduct a **\$10 per week Sibling Discount** from the lesser of your children's tuition subtotals.

Registration Forms (page 8) can be mailed or emailed. To pay by check or money order, please send completed Registration Forms and payment by mail to **1700 N. Monroe Street Suite 11-223, Tallahassee, FL 32303.** 

Credit card payments must be made at <u>www.tallymolab.org</u> using MoLab's PayPal account. After completing your PayPal transaction, please write the confirmation sequence on the Registration Form. In order to ensure that your child's spot is secured, you must send the Registration Form via email to <u>aimee@tallymolab.org</u> as soon as the payment transaction is completed.

Payments received in full will be sent a MoLab receipt by email. For clients choosing to pay only the deposit, account invoices will be emailed upon Registration showing the remaining balance due. All Campers must have an Authorization to Pick Up Camper Form on file.Campers requiring medication to be administered during Camp hours must also have a completed Authorization to Administer Medication Form (only oral medications will be administered). All appropriate Forms should be returned to MoLab prior to the session start date. Please return by mail or email. Camp paperwork is available online at www.tallymolab.org.

If a Camp session is full, you may request to be put on a waiting list. If a Camp must be cancelled due to minimum enrollment requirements, an alternative session can be selected, space permitting, or payment will be refunded.

#### CAMP DAYS, HOURS, & FEES

Monday – Friday\* Full day sessions: 9 a.m. – 4 p.m. Drop Campers off starting at 8:45 a.m. and pick up by 4:15 p.m. \$200 per weekly session

Each additional sibling receives a weekly \$10 Sibling Discount deducted from the lesser of your children's subtotals.

\* Week 1 and Week 6 are four-day sessions due to State Holidays. The rate for this week is \$165.

Sessions are offered according to the Grade Level the Camper is entering for fall 2023: PreK5-1 Camps Grade 2-3 Camps

PreK5-1 CampsGrade 2-3 CampsGrade 4-5 CampsGrade 6-8 Camps

#### **CAMP SESSIONS**

Week 1: May 30 - June 2\* Week 2: June 5 - 9 Week 3: June 12 - 16 Week 4: June 19 - June 23 Week 5: June 26 - June 30 Week 6: July 3 - 7\* Week 7: July 10 - 14 Week 8: July 17 - 21 Week 9: July 24 - 28 Week 10: July 31 - August 4

Special fees may apply to certain sessions. Please check in the session descriptions section of this Registration Guide.

#### **OPTIONAL LUNCH PROGRAM**

Campers should pack two snacks, a lunch, and refillable container for water. Campers may choose to purchase daily lunches. The lunch program is on a weekly basis, and must be arranged in advance. Please refer to our website for additional details.

#### EXTENDED CARE

Extended Care is available to accommodate busy schedules. Campers enrolled in Pre-Camp care may sign-in as early as 7:45 a.m. For afternoon care, Post-Campers may be signed out any time before 6 p.m. Pre-Camp – 7:45 a.m. to 9 a.m. \$5/day or \$20/week Post-Camp – 4 p.m. to 6 p.m. \$5/day or \$20/week Campers must be picked up by 4:15 p.m. unless they are enrolled in Post-Camp, in which case, they must be picked up by 6 p.m. to avoid a \$1/minute late charge.

#### SUMMER CAMP GUIDELINES

Please see the Summer Camp Guidelines at <u>www.tallymolab.org</u> for additional information including MoLab's **COVID-19 Safety Procedures.** 

#### **LOCATION AND PARKING**

Campers will be dropped off and picked up at Saint Paul's United Methodist Church located at 1700 North Meridian Road, Tallahassee, FL 32303 during weeks 1-4 and 9-10. Parking is available behind the building and is accessible from Tharpe Street or the Lake Ella entrance. For weeks 5-8, campers will be dropped off at Cornerstone Learning Community located at 2524 Hartsfield Road, Tallahassee, FL 32303. Parking is available in front of the west building where camp is located. Please see the Camp Guidelines for additional information.

#### VOLUNTEER OPPORTUNITY FOR HIGH SCHOOL STUDENTS



Are you looking for something fun to do this summer? Do you need to earn volunteer hours? Would you like to gain some professional experience working in an exciting environment? Students entering the 9 through 12 grades are eligible for our Counselors-In-Training Program!

You must pre-register and attend a training session on Wednesday, May 24 from 2:30 p.m. to 4:30 p.m. at Saint Paul's United Methodist Church. Each volunteer is responsible for completing a Level 2 background clearance. There is a one-time fee for the program which covers the expense of the screening.

Call or email Aimee Hills for additional details and to register for the Counselors-In-Training Program (850) 591-6362 or aimee@tallymolab.org.

### **GRADES PREK5-1 CAMP SESSIONS**

(FULL DAY SESSIONS ONLY)

#### Silver Screen Science

Kick off the summer with artistic creations and scientific discoveries from our favorite silver screen friends. Create a *Coco* inspired skeleton, explore color and bridge building with *Trolls*, discover all things hot and *Frozen*, dive into the ocean world with *Nemo*, and explore physics with *Super Mario Cart*.

A1D: May 30 – June 2 \*\*\*NO CAMP ON MAY 29 which is a state holiday. Rate for week 1 is \$165.

#### Science Sleuths

Sharpen your investigation skills and explore problem solving science. You are the detective as you use your scientific know-how to decipher patterns, crack codes, identify unknown objects, follow treasure maps, examine fingerprints, and have fun unraveling the mysteries! **A2D: June 5 – 9** 

#### Leonardo's Lab

Explore the best of art and science in this camp inspired by the master of both worlds. We will build machines and inventions, create helicopters and musical instruments, write backwards, decipher codes, explore anatomy, experiment with color, and much more.

A3D: June 12 – 16

#### Animal Engineers

How do bees build their hives? What materials do beavers use to construct their dams? Who uses the best design to engineer a nest? Discover some amazing creatures and learn about building, designing, and creating from nature's furry and not-so-furry friends. Plus, enjoy live encounters with all types of critters! A4D: June 19 - 23

#### Wild Water Wonders

What a great way to beat the heat – it's a water themed week of experiments and activities! Discover the states of matter, build a buoyancy barge, enjoy water balloon trajectory games, mix up solutions to make giant bubbles, use water to create optical illusions, and enjoy an assortment of water play!

A5D: June 26 – June 30



#### Savory Science

It's a delicious week using food to explore science and the senses with some edible and not-so-edible projects. Inflate a balloon with fizzing rocks, get hands-on with sweet candy experiments, construct a marshmallow tower, enjoy pizza math fun, and more!

A6D: July 3 – 7 \*\*NO CAMP ON JULY 4 which is a state holiday. Rate for week 6 is \$165.

#### **Busy Builders**

Calling all junior engineers for a week of hands-on fun discovering physics and engineering! Work with Legos® to build super



structures, construct castle towers, make marvelous machines, create

math mosaics, and assemble some crazy contraptions! A7D: July 10 – 14 Pop, bang, fizz - wizards and scientists will both agree that this potions lab is all that and more! Reveal the wonders of color changing chemistry, create scented



silly putty and edible slime, concoct oodles of ooze, plus enjoy some sweet

experiments with candy! A8D: July 17 – 21

#### **Dino Detectives**

You are the paleontologist as you unravel the secrets of the earth's Mesozoic past! Discover creatures big and small that roamed the earth, ruled the sea, and soared through the skies. Rock-out this session by getting hands-on with fossils, observe live birds and reptiles to see what we can learn about dinosaur behavior, and make primeval crafts.

A9D: July 24 – 28

#### Spark Smorgasbord

My oh my, has summertime come and gone?! Nope, there is a whole week left to get hands-on with your favorite STEAM discoveries. Explore a galaxy far, far away, participate in splish-splash science, enjoy egg-cellent experiments, mix up a slimy substance – endless exploration opportunities abound! A10D: July 31 – August 4



#### GRADES 2-3 CAMP SESSIONS (FULL DAY SESSIONS ONLY)

#### Pokémon Science

It's a week dedicated to the art and science of your favorite anime characters! Discover Ponyta's luminescent tail resulting from a chemical reaction, explore sound with Whismur, and get hands-on with Charizard's melted rock! Plus, make a Pokéball and your

own characters with super scientific powers! B1D: May 30 - June 2 \*\*NO CAMP ON MAY 29



which is a state holiday. Rate for week 1 is \$165.

#### Toy Physics

Gear up to explore physics through the science behind your favorite toys! Discover engineering concepts as you build with Legos®, create a mini-zipline, touch lightning with a plasma ball, create a ping pong ball launcher, and examine other amazing gadgets. Collaborate, construct, and play!

#### B2D: June 5 – 9



#### Wizard School

Head to Diagon Alley and embark on a spellbinding journey exploring the world of magic. Using your math and science skills, you'll learn to amaze friends and family with sleight of hand tricks, illusions, and potions – we'll also study herbology and magical creatures.

B3D: June 12 – 16

#### Lake Ella Eco-Explorers

Budding biologists will have a blast exploring the diverse ecology of our backyard and beyond. Examine diverse habitats as you get hands-on with experiments and exploration projects. Grow microbes, dissect a flower, appreciate pollinators, go on nature hikes around Lake Ella, and enjoy live encounters in the classroom! **B4D: June 19 – 23** 

#### Crack the Code

You're the super sleuth as you use your mystery solving skills to reveal secret messages, decipher mathematical codes, create your own coded letter, use logic to unravel puzzles, and solve a cluegathering scavenger hunt. Plus, practice computer coding skills on Scratch programming online! **B5D: June 26 – 30** 



#### Hot and Cold Science

From freezing to friction, we will explore molecules in motion with chemistry reactions, ice cream making, combustion demonstrations, dry ice investigations, and experiments galore. When you feel the heat, just cool down!

#### B6D: July 3 – 7 \*\*NO CAMP ON JULY 4 which

is a state holiday. Rate for week 6 is \$165.



#### Mini-Meteorologist

How do scientists predict the weather? Discover what the weather might do by learning the ins-and-outs of meteorology! Observe weather patterns, build your own devices, and participate in cool projects. Get experience filming your own forecast and meet a local meteorologist! **B7D: July 10 – 14** 

#### Yumology

Calling all kitchen chemists and nutrition nuts! Let's get hands-on mixing and concocting a variety of edible and not-so-edible treats. Explore candy chemistry, engineer a cookie construction, inflate a balloon with yeast and make your own bread, shake up some ice cream, and test non-Newtonian fluids. Discover how fabulous food science can be!

• Lab fee: \$20 B8D: July 17 – 21

#### Travel Science Kids

Travel the globe and discover modern marvels and ancient ruins as you get hands-on with technology, science, engineering, and art. Recreate the Roman Arch, build a Dubai inspired skyscraper, move water the Mayan way, explore the rain forest, and create culinary delights inspired by your journeys – yum! **B9D: July 24 – 28** 

#### Spark Smorgasbord

The last of week of summer is all that and more! Enjoy a week of exploration dedicated to an assortment of your favorite experiments and projects. Get



hands-on with engineering, meteorology, candyology, rocketry – scientific

discoveries to infinity, and beyond. **B10D: July 31 – August 4** 

#### GRADES 4-5 CAMP SESSIONS (FULL DAY SESSIONS ONLY)

#### Hogwarts Academy

All wizards, squibs, and muggles enrolled in this summer session of Hogwarts Academy will participate in daily lessons to assist in the preparation of OWL Exams. Students will get hands-on with Herbology, Potions, Astronomy, Arithmancy, History of Magic, and the Care of Magical Creatures. Lessons in the Defense Against the Dark Arts will not be taught at this time.

C1D: May 30 – June 2 \*\*NO CAMP ON MAY 29 which is a state holiday. Rate for week 1 is \$165.



#### Robotics Lab I

No need to short circuit with this robotics camp! Learn the basics of robotics and get hands-on with fun experiments - build a robot hand, design a robot insect, and try tasks with robot fingers. Use your skills to assemble and program a robot with Lego® Mindstorms EV3 Education Software to navigate a course and overcome obstacles! **C2D:** June 5 - 9

#### Adventures in Anime

Calling all Anime and Manga fans to an exciting week exploring art, science, and culture with your favorite characters. Dig into perspective and background design as you create your own expressive comics, get hands-on with inspired science experiments, and try some Japanese culinary treats. On Friday, come dressed as your favorite characters for a Cosplay Party!

C3D: June 12 – 16

#### Hollywood Science

Get ready to walk the red carpet! From the back lot to opening night, explore the world of movie magic. Practice the art of script writing, the science of special effects, and create your own short film. Bring your movie home to debut in a special premiere event for your family!

• Lab Fee: \$15 C4D: June 19 – 23

#### Nailed It: Science Chef

It's a week of kitchen chemistry, culinary explorations, and creative concoctions! Junior chefs will team up to cook tasty treats, write their own recipes, and explore savory combinations. The week starts with a lesson in kitchen safety and concludes with a fun chef challenge!

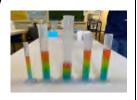
• Lab Fee: \$30 C5D: June 26 – 30



#### Kaboom Chemistry Camp

You're the master mixologist as you cook up radical reactions and predict, analyze, and concoct your own creations. Be prepared to pop, bang, boom and fizz in this explosive, hands-on chemistryfilled camp!

C6D: July 3 – 7 \*\*NO CAMP ON JULY 4 which is a state holiday. Rate for week 6 is \$165.



#### Go Code Gamers!

Calling all Pokémon, Super Mario, Dragon Ball Z fans to a camp where you will learn the ins-and-

outs of game creation! Get hands-on with introductory coding challenges, draw your own pixel



art, customize your own avatar, develop stories, and create your own games and projects on platforms like Scratch and Roblox.

• Lab Fee: \$15 C7D: July 10 – 14

#### Junkyard STEAM

We'll discover one person's trash is another scientist's treasure! Find out how things work in reverse engineering projects that dissect electronics, experiment with electromagnets, get creative with repurposed art, explore mass and volume by getting hands-on with compaction, go green, and more. It's "trashology" at its best! **C8D: July 17 – 21** 

#### Camp Half Bloods

Calling all demi-gods! Explore Greek mythology and more in an exciting week revealing the myth and science behind the Olympian gods and their counterparts of today. Participle in experiments that disclose the power of Zeus' thunderbolt, explore sea monsters, build a Roman arch, create trading cards of your own superheroes, plus organize your own Olympics. **C9D: July 24 – 28** 

#### Spark Smorgasbord

We asked sodium and hydrogen if it's time to say goodbye to summer yet. They said NaH – there is plenty of time for more discovery fun! Get hands-on with engineering challenges, food science, chemistry experiments, colorful creations - anything goes! C10D: July 31 – August 4

#### GRADES 6-8 CAMP SESSIONS (FULL DAY SESSIONS ONLY)

#### Lights, Camera, Action!

Quiet on set! It's time to explore the ins-and-outs of film production. You're the producer as you team up to write a script, design sets and costumes, and practice special effects techniques. Film and edit a live action short to bring home for a Friday film premiere. It's a wrap!

#### • Lab Fee: \$15 D1D: May 30 – June 2 \*\*NO CAMP ON MAY 29 which is a state holiday. Rate for week 1 is \$165.

#### Veterinary Science

Learn what it's like to be a veterinarian and explore the essentials of pet care and medicine. Discover the important duties of the skeletal, digestive, muscular, and circulatory systems; diagnose ailments; and delve into the science behind scooting and hairballs. Plus, meet a Veterinarian in-person and enjoy learning about veterinary science in action! **D2D: June 5 – 9** 

#### Robotics Lab II

Explore the exciting world of robotics! Campers will participate in an assortment of engaging experiments and work with cuttingedge Lego® Mindstorms EV3 Education Software as they assemble, design, and program. Get hands-on experience with circuitry and programming with the culmination being an end of the week obstacle course – are you up for the challenge? D3D: June 12 – June 16

#### Goosebumps

Explore the science of fear and get hands-on with projects that investigate the strange, spooky, and paranormal. Examine the physiological, neurobiological and sociological aspects of fear, discover fear in the wild and how animal's respond, create scary touch boxes, build a voltmeter and learn how it measures panic, measure your heart rate responses, and detect electromagnetic fields! **D4D:** June 19 – 23

#### Dungeons and Dragons

Grow your imagination and embark on a quest exploring STEAM with heroes and dragons. Discover the real-life skill of fantasy as you calculate probability, sharpen strategical abilities, create your own characters, explore worlds, test magical abilities, practice storytelling, plus design maps and engineer models. Novice or experienced players will collaborate, problem solve, and get creative in this epic adventure! **D5D: June 26 – June 30** 

#### **Boom and Pop Art**

Explore and create art that pops, booms, and explodes with color! Discover the Pop Art movement and create colorful masterpieces, drop a paint bomb, use science that fizzes and explodes to create colorful canvases. It's a great combination of art and science that's bound to get a little messy!

D6D: July 3 – 7 \*\*NO CAMP ON JULY 4 which is a state holiday. Rate for week 6 is \$165.

#### Master Mo-Chef

Concoct, Create, Cook – work with mystery ingredients, learn kitchen safety, explore cooking chemistry and culinary science, master creativity, and presentation. The week is full of hands-on experiments and mini challenges. This camp culminates in a 2-hour competition with a mystery ingredient. It's a gastronomic adventure!

• Supply Fee: \$30 D7D: July 10 – 14



#### Coding and Videogame Makers

Just don't play the games – create them! Spend the week getting handson as you learn to code through game design. Campers will sharpen their skills using a variety of platforms like GameMaker. Practice story development, programming, create avatars and mobs; plus explore careers in computer engineering!

• Lab Fee: \$15 D8D: July 17 – 21

#### Architecture and Design

Spend the week exploring architecture and design through art projects, building activities, and design challenges. Campers will use computer software to draw 3D models, construct real-world models with Legos® and art supplies, and discover mobile design and survival architecture. On Thursday, campers will enjoy a special site visit and have the privilege of touring the only private residence Mr. Frank Lloyd Wright designed that was built in Florida! Sponsors who made this unique field trip experience possible include *Gladwin Vaugh Architecture* Conn + Architects, PaleoWest, Architecture By Design, Architects Lewis + Whitlock & Florida Foundation for Architecture D9D: July 24 – 28



#### Spark Smorgasbord

Ready for a sizzling summer send off with MoLab!?! Enjoy another week of science discovery with a hodgepodge week of all things STEAM. Explore sustainability science, experiment with dry ice, participate in engineering challenges, food science and much more!

D10D: July 31 – August 4

## CAMP SPARK – IGNITING KNOWLEDGE! REGISTRATION FORM

#### **1. CAMPER INFORMATION**

Camper's Last Name	First Name	Age	Birth Date	School	Grade in fall '23	
Parent #1 Last Name	First Name		Home Phone	Work Phone	Cell Phone	
Parent #1 Address		City	State	Zip	Email Address	
Parent #2 Last Name	First Name		Home Phone	Work Phone	Cell Phone	
Parent #2 Address		City	State	Zip	Email Address	
Emergency Contact Name (if parents cannot be reached)			Phone #1		Phone #2	
Physician's Name			Physician's Phone Number			

#### Please list any Medication, Allergies, and/or Special Needs:

#### **Special Permissions:**

- $\Box$  1. My child has permission to take field trips planned with some classes.
- □ 2. In case of an emergency, MoLab has permission to take my child to the hospital.
- □ 3. Photographs or video images may be taken for marketing purposes. I give permission for my child's image to be used.

#### 2. CAMP SESSIONS

Grade	Camp Title		
	<b>Toy Physics</b>		N/A
1		_ \$	\$
2	 	\$	\$
3	 	\$	\$
4	 	\$	\$
5		\$	\$
6		\$	\$
7	 	<u>\$</u>	\$
8	 	<u>\$</u>	\$
9		\$	\$
10		\$	\$

#### **3. EXTENDED CAMP CARE**

Pre-Camp 7:45 a.m. – 9 a.m. \$5/day or \$20/week Post-Camp 4 p.m. – 6 p.m. \$5/day or \$20/week Please check the boxes that apply to add Extended Care

	Mo	nday	Tue	sday	Wedı	nesday	Thu	rsday	Fri	iday
WK	Pre	Post	Pre	Post	Pre	Post	Pre	Post	Pre	Post
1	N/A	N/A								
2										
3										
4										
5										
6			N/A	N/A						
7										
8										
9										
10										

#### 4. CAMP FEES

**Tuition Fee Subtotal:** 

Invoices will be emailed for balances due. Camps Sessions Weeks 1 – 4 Due: May 26 Camps Sessions Weeks 5 - 8 Due: June 23 Camps Sessions Week 9 -10 Due: July 21

<b>Sibling Discount (if applicable):</b> (\$10 off per week for each <u>additional</u> sibling)	(- \$)					
Supply/Lab Fee(s) (if applicable):	\$					
Add total # of Pre and Post Sessions x \$5	\$					
Add total # of full week Pre/Post Sessions x \$	20 \$					
PRE-ORDER YOUR CAMP T-SHIRT FOR \$12 EACH         (Check) Youth       S       M       L       Adult       S       M       L       XL       \$						
Tuition Total	\$					
Due with Registration: # of Camp sessions@ \$40/each (deposit is subtracted from each week's fees) T-Shirt Fee Amount Enclosed	\$ \$ \$					
(client may choose to pay deposits only or additional amounts)						
5. PAYMENT INFORMATION Please check method of payment:						
Name on Card						
Signature						

For Internal Use Only

□ Invoice

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