# Camp Spark – Igniting Knowledge! Summer 2019



\*



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 break for the fall, winter, spring, and throughout the summer. Sessions are presented at a local school or organization. The Summer Camp Spark 2019 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 at least 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 27, 2019. Our Camps fill on a first-come, first-served basis. Please register early as Camps fill quickly. A \$35 **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 June Camp sessions (weeks 1-4) is due by June 1, July Camp sessions (Weeks 5-8) by July 1, and August Camp sessions (weeks 9-10) is due by August 1. Clients may also choose to pay in full with Registration. Payments become **non-refundable two weeks prior** to the Camp start date. Refunds will be given up to 2 weeks prior to the start of a session **minus the \$35 non-refundable deposit**.

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 2019.** 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.

Account invoices will be emailed to the parent or guardian 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 (required: Authorization to Pick Up Camper Form and Lunch Order Form) should be returned to MoLab prior to the session start date. Please return by mail or email. Camp paper work 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. \$180 per weekly all-day session\* All fees include lunch and two snacks

\* Week 5 is a four-day session due to a State Holiday. The rate for this week is \$145.

Sessions offered according to Grade Level that the Camper is entering for fall 2019: Grade PreK5-1 Camps Grade 2-3 Camps Grade 4-5 Camps Grade 6-8 Camps

#### **CAMP SESSIONS**

Week 1: June 3 -7 Week 2: June 10 - 14 Week 3: June 17 - 21 Week 4: June 24 - June 28 Week 5: July 1 - 5\* Week 6: July 8 - 12 Week 7: July 15 - 19 Week 8: July 22 - 26 Week 9: July 29 - August 2 Week 10: August 5 - 9

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

# **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.

# 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.



# 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 May 30, 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 onetime 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 <u>aimee@tallymolab.org</u>.



# GRADES PREK5-1 CAMP SESSIONS (FULL DAY SESSIONS ONLY)

Pirates & Mermaid Science

Climb aboard for an adventurous week of aquatic discoveries and arrr-tistic creations! Campers will explore the seven seas and learn to read treasure maps, make mermaid slime and discover where to find them, engineer a catapult, experiment with trajectory during a water cannonball challenge, and more! A1D: June 3-7



# Little Coders

You are never too young to start thinking like a programmer! Enjoy a week of deciphering patterns, creating your own codes, and get some hands-on screen time with ScratchJr. It's time to crack the code and unravel mysteries.

A2D: June 10-14

# Crazy Contraptions

You are the engineer as you invent, design, and build crazy contraptions from all sorts of materials. Get handson designing marble coasters, learn about levers and inclined planes, build a car, and work with Legos to construct some super structures! A3D: June 17-21

# Pet Patrol

Discover the world of our furry and not-so-furry animal friends. Explore anatomy, daily care needs, engineer cat toys, and mix up dog treats. Plus, enjoy live encounters including a visit from Carol's Critters.

A4D: June 24-28

# Chemistry Cauldron

Wizards and scientists will both agree that this potions lab is all that and more! Reveal the wonders of coloring changing chemistry, create scented silly putty and edible slime, plus enjoy some experiments with candy! A5D: July 1-5



\*NO CAMP ON JULY 4 which is a state holiday. Rate for week 5 is \$145.

# Doc MoStuffins

Scrub in for a week of discoveries in a mini-med school that explores anatomy, the senses, and good health practices. Campers will enjoy experiments including making rubber bones and fake blood, building a skeleton, learning medical lingo (stat), and concoct elephant toothpaste! A6D: July 8-12

# **Dinosaur 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 handson with fossils, observe live birds and reptiles to see what we can learn about dinosaur behavior, and make primeval crafts.



A7D: July 15-19

# Soarin' Science

Wow, so many things fly! Planes, birds, insects, dinosaurs, and even plants. Create cool crafts, launch rockets, engineer a flying contraption, and explore the forces at work when athletes make game balls "fly." Get introduced to the physics of flight and explore all things that soar!

A8D: July 22-26

# Galaxy Kids

Three, two, one – blast off for an adventure around the solar system and beyond! Create space suits, flying rockets, alien art, recycled robots, solar ovens, twirling comets, and more as you participate in hands-on art and science projects that are out-of-this-world. A9D: July 29-August 2

# Spark Smorgasbord

There's still a whole week of summer vacation which means there is plenty of time to do it all! Enjoy a week of our favorite STEAM activities



including; engineering a flying saucer, concoct glitter slime, make a mummy, and explode a volcano! **A10D: August 5-9** 

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

# Rock-IT-BOT Kids

Campers get ready to rock out an awesome week of camp exploring all things STEM! We'll get hands-on with rocketry, computer programming, robotics, build with K'Nex, and even practice code on an NTX Lego® Robot! **B1D: June 3-7** 



# Toy Physics

Wow – there is so much science we can learn from playing with and making toys! Have fun building a zipline for a flying space ranger, engineer a Pokéball, explore the mysteries of color changing science, create soaring rockets, and design your own toys with amazing abilities. **B2D: June 10-14** 

# LOL Lab

This science lab will have you smiling all day as you conduct classic gags like fake snot and disappearing ink, build a whoopy cushion, get hands-on with grossology experiments, explore funny animal adaptions, and learn some science jokes to entertain the family. **B3D: June 17-21** 

# **Eggcellent** Science

Campers will be egg-cited to discover how much they can learn by experimenting with eggs! Create a machine to launch an egg the furthest, design protective gear for an egg drop, try scrambling it in the shell, and squeeze one into a bottle. Enjoy live encounters from Carol's Critter with animals born from this super structure. **B4D: June 24-28** 

# Crack the Code

You're the secret agent as you use your mystery solving skills to reveal secret messages, decipher mathematical and pictographic codes, create your own coded letter, code with Legos®, and solve a clue-gathering scavenger hunt. Plus, get hands-on screen time with computer coding. **B5D: July 1-5** 

# \*NO CAMP ON JULY 4 which is a state holiday. Rate for week 5 is \$145.

# 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.

B6D: July 8-12

#### Superhero Science

Explore the science behind super heroes from the

Marvel Universe, DC, and beyond! How do polymers help Spiderman spin his web? What's the science behind Captain America's Shield? Will your skills measure up against the Black



Widow? How does Aquaman control sea creatures? Get hands-on and separate science fact from fiction! **B7D: July 15-19** 

# Yumology!

Calling all kitchen chemists and nutrition nuts! Campers will get hands-on mixing and concocting (mostly) delicious treats! Explore candy chemistry, engineer a potato chia pet, inflate a balloon with yeast and make your own bread, shake up some ice cream, and test non-Newtonian fluids. Discover the best of food science!

#### • Lab fee: \$10 B8D: July 22-26

#### **Modiator Springs**

Start your engines for a lightning week of discovery! We will travel route 66 enjoying cool experiments and projects that explore machines, reveal desert ecosystems, and connect circuits. Plus, design your own car, create a cartoon, engineer a marble race track, and travel to the old motor cottages of Lake Ella! **B9D: July 29-August 2** 

# Spark Smorgasbord

Enjoy one more week of exciting art and science explorations with an incredible assortment of experiments and crafts! Explore food science, experiment with polymers, get hands-on with engineering challenges, crack codes, launch an egg, and create chemistry concoctions! **B10D: August 5-9** 



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

# Pop Engineer Lab

The engineer and design process are always fun, but even more so with challenges and projects geared towards our favorite anime and videogames. Build a Fortnite inspired defense tower, use your Minecraft know-how to construct a catapult, design and assemble a Pokéball, and more. **C1D: June 3-7** 

# Go Code Gamers!

From pixels to megabytes – you will learn the ins-and-outs of game creation! Play and rank games on introduction, content, and delivery. Get hands-on with introductory coding challenges, draw your own pixel art, customize your own avatar, and create your own games on platforms including Scratch, GameMaker, and Roblox.



• Field Trip Fee: \$25 transportation fee, field trip to Gamescape on Friday C2D: June 10-14

# Pixar Science

Discover how much there is to learn from our favorite characters! Explore the senses and brain power Inside Out, code and try not to Wreck It with Ralph, repurpose discarded items with Wall-E, test your kitchen chemistry skills Ratatouille style, and discover electricity and magnetism with Big Hero 6. On Wednesday – see if you can find Dory on an adventure to GSML.

• Field Trip Fee: \$22 transportation and admission fee to Gulf Specimen Marine Lab on Wednesday C3D: June 17-21

**3D Toy Maker (New: MoLab at FSU Innovation Hub!)** Explore the world of 3D design and digital printing with the experts at FSU's Innovation Hub! Try your hand at industrial design - go through the creative process from paper to print and create your own 3D models. Use your creativity and engineering skills to assemble all sorts of 3D toys that you can showcase in an online Invention Convention at the end of the week!

- Supply Fee: \$25
- Campers will check in and out at FSU's Innovation Hub each day. Please see Summer Camp Guidelines for additional information. C4DF: June 24-28

# 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.

#### Star Wars Science

Explore astronomy and astrophysics from our world to a galaxy far, far, away. Use the force and experiment like a Jedi, engineer a Millennium Falcon inspired flying ship, practice droid coding skills, get hands-on with Crait inspired salt experiments. Plus, build a Death Star to bash at Friday's Totally Tatooine costume party! C5D: July 1-5

# \*NO CAMP ON JULY 4 which is a state holiday. Rate for week 5 is \$145.

#### Lego<sup>®</sup> Robotics I

No need to short circuit with this robotics camp! Learn the basics of robotics as you explore the relationship of gears

to speed and torque, try tasks with robot hands, and build and program with Lego® Mindstorms EV3 Education Software. On Friday, invite friends and family to watch your robot navigate a course! C6D: July 8-12



# **Chopped Science Chef**

It's a week of kitchen chemistry, culinary explorations, and creative concoctions! You're the chef as you team up to cook tasty treats, write your own recipes, and explore savory combinations. The week starts with a lesson in kitchen safety and concludes with a fun chef challenge!

• Lab Fee: \$15 C7D: July 15-19

# **Rockets and Other Explosions**

Blast off for a week of exciting experiments that teach the science of rocketry, combustion, and chemistry with reactions that have eruptive effects. Campers will get hands-on constructing and launching rockets, get messy in the lab, and enjoy a special launch party on Friday to set off their own Estes Rockets.

• Lab Fee: \$8 covers the cost of Estes Kits C8D: July 22-26

# 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 to debut at the end of the week in a special premiere event for friends and family!

• Lab Fee: \$10 C9D: July 29-August 2

# Spark Smorgasbord

How do you want to spend the last week of summer vacation? At a camp that's full of our favorite STEAM activities! Explore tidal waves, create nanobots, and locate powers of the brain. Anything goes including kitchen chemistry, engineering projects, and grossology biology! **C10D: August 5-9** 

C4D: June 24-28

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

# Lights, Camera, Action

Quiet on the set! It's time to explore the ins-and-outs of film production. You are 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 for a Friday film premiere. It's a wrap!

• Lab Fee: \$10 D1D: June 3-7

# Digital Photography

Campers will enjoy a week discovering new techniques, experimenting with light and composition, and participating



in projects that explore photographic genres. Plus, discover how computer technology can be used to enhance digital creations all the while creating a portfolio of your work.

Enjoy picturesque walks around Lake Ella.

- Supply Fee: \$20 to cover the expenses of photo paper and ink.
- Campers will need to bring a digital camera with zoom, flash, and USB cord. iPhones with USB cords are an acceptable alternative to digital cameras.

D2D: June 10-14

# Marine Biology 101

Explore the biodiversity and importance of our oceans through hands-on projects and live encounters. Experiment with sounds to learn about whale adaptations, find the solution to pollution, learn what keeps a shark from sinking, test salinity and hatch brine shrimp, and understand the importance of conservation.

• Field Trip Fee: \$22 transportation and admission fee to Gulf Specimen Marine Lab on Wednesday

# D3D: June 17-21

**3D Design Lab (New: MoLab at FSU Innovation Hub!)** Design, Create, and Print at FSU's Innovation Hub! We'll follow the same processes an industrial designer goes through to create a product while we learn from the experts! Sketch your ideas out on paper, turn your sketch into a 3D computer model, and then bring your idea to life by 3D printing your creation. Explore how 3D printing is changing our future!

- Supply Fee: \$25
- Campers will check in and out at FSU's Innovation Hub each day. Please see Summer Camp Guidelines for additional information. D3DF: June 17-21

# **Electrifying Physics**

Explore the science of electricity as you connect circuits, charge particles, create your own battery, and make an electromagnet. Plus, get hands-on with solar science and other green energy resources. The possibilities are endless when it's all about the electrons!

D4D: June 24-28

#### **Zombie Science**

Explore the science behind the fiction as you investigate infectious diseases; create a zombie survival kit, discover how zombism affects the systems of the body in anatomy experiments, measure your heart rate's response to fear, and participate in fun survival challenges!

D5D: July1-5

\*NO CAMP ON JULY 4 which is a state holiday. Rate for week 5 is \$145.

# 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: \$25 D6D: July 8-12

# Lego<sup>®</sup> Robotics II

Campers are the engineers as they explore the exciting world of robotics. Campers will work with cutting-edge Lego® Mindstorms EV3 Education Software as well as sound, touch, and light sensors! They will 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? **D7D: July 15-19** 

# Coding and Videogame Makers

Just don't play the games – create them! Spend the week getting hands-on as you code and create your own videogames. Campers will sharpen their skills using a variety of platforms, including Unity and Python. You will practice story development, programming, creating avatars, and mobs. Plus explore careers in computer engineering!

• Field Trip Fee: \$25 transportation fee, field trip to Gamescape on Friday

D8D: July 22-26

# Project Design Lab

Think it, design it, and create it! Experiment with innovative design and unique materials in open ended challenges that will encourage campers to think creatively and to build like an engineer. Invent a board game, construct furniture from repurposed materials, engineer with duct tape, and more!

D9D: July 29-August 2

# Spark Smorgasbord

Wrap up a fantastic summer of discovery with a week dedicated to our favorite activities and experiments! Spark your excitement with hands-on imploding and exploding chemistry, survival science, engineering challenges, dry ice experiments, and more! D10D: August 5-9

7

# **CAMP SPARK – IGNITING KNOWLEDGE! REGISTRATION FORM**

# **1. CAMPER INFORMATION**

Camper's Last Name	First Name	Age	Birth Date	School	Grade in fall '19
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 Pho	ne Number	

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

#### **Special Permissions:**

□ 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 Co	ode Camp Title	Fee	Supply Fee
Ex. 2	B2D	Toy Physics	\$18	0 N/A
1			\$	\$
2			\$	\$
3			\$	\$
4			\$	\$
5			\$	\$
6			\$	\$
7			\$	\$
8			\$	\$
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

	Mon	Tues	Wed	Thur	Fri
Wk #					
Wk 1	Pre	Pre	Pre	Pre	Pre
	Post	Post	Post	Post	Post
Wk 2	Pre	Pre	Pre	Pre	Pre
	Post	Post	Post	Post	Post
Wk 3	Pre	Pre	Pre	Pre	Pre
	Post	Post	Post	Post	Post
Wk 4	Pre	Pre	Pre	Pre	Pre
	Post	Post	Post	Post	Post
Wk 5	Pre	Pre	Pre	N/A	Pre
	Post	Post	Post	N/A	Post
Wk 6	Pre	Pre	Pre	Pre	Pre
	Post	Post	Post	Post	Post
Wk 7	Pre	Pre	Pre	Pre	Pre
	Post	Post	Post	Post	Post
Wk 8	Pre	Pre	Pre	Pre	Pre
	Post	Post	Post	Post	Post
Wk 9	Pre	Pre	Pre	Pre	Pre
	Post	Post	Post	Post	Post
Wk 10	Pre	Pre	Pre	Pre	Pre
	Post	Post	Post	Post	Post

# 4. CAMP FEES

Invoices will be e June Due: June 1	mailed for balances due.	
July Due: July 1		
August Due: Aug	ust 1	
Tuition Fee Subt		\$
Sibling Discount (\$10 off per week	( <b>if applicable</b> ): for each <u>additional</u> sibling)	(- \$)
Supply Fee (if ap	plicable):	\$
Add total # of Pr	e and Post Sessions x \$5	\$
Add total # of ful	ll week Pre/Post Sessions x \$2	20 \$
	OUR CAMP T-SHIRT FOR M L Adult S M L XL	\$12 EACH \$
Tuition Total		\$
Due with Registration: # of Camp sessions @ \$35/each (deposit is subtracted from each week's fees) T-Shirt Fee		\$
		\$
Amount Enclose	d	\$
(client may choos	e to pay deposits only or addit	ional amounts)
	hod of payment:	ia Credit Card must
PayPal Confirmat	ion Number:	
Name on Card		
Signature		
	For Internal Use	e Only
DB	□ Invoice	□ T-shirt
□ QB	Balance Paid	□ Address

REGISTRATION#: CH47319 - A COPY OF THE OFFICIAL REGISTRATION AND FINANCIAL INFORMATION MAY BE OBTAINED FROM THE DIVISION OF CONSUMER SERVICES BY CALLING TOLL-FREE (800-435-7352) WITHIN THE STATE. REGISTRATION DOES NOT IMPLY ENDORSEMENT, APPROVAL, OR RECOMMENDATION BY THE STATE.