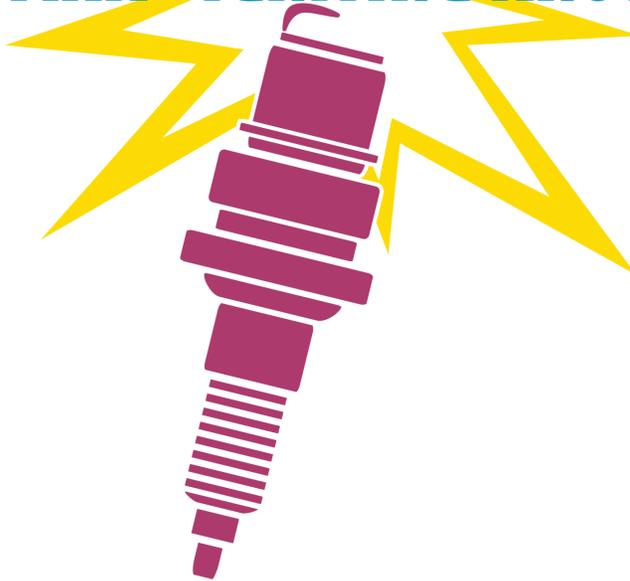


**CAMP SPARK - IGNITING KNOWLEDGE!**



**Summer 2014**

*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 winter, spring, and throughout the summer. Sessions are presented at a local school or organization. The Summer Camp Spark 2014 session will be held at SAIL High School.

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 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 April 1, 2014. Our Camps fill on a first-come, first-served basis. Please register early as Camps fill quickly. A \$35 **non-refundable 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 5-9) by July 1, and August Camp sessions (weeks 10-11) 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.

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 2014**. 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 Ste. 11-223; Tallahassee, FL 32303.

Credit card payments must be made at [www.tallymolab.org](http://www.tallymolab.org) 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 [aimee@tallymolab.org](mailto:aimee@tallymolab.org) as soon as the payment transaction is completed.**

**Invoices will be emailed** to the parent or guardian upon Registration. 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](http://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.  
\$170 per weekly all-day session\*  
All fees include lunch and snacks

*\*NO CAMP ON JULY 4th, which is a State Holiday.  
Rates for week 5 are \$136.*

*Sessions Offered According to Grade Level that  
the Camper is Entering for fall 2014:*

*Grade PreK5-1Camps  
Grade 2-3 Camps  
Grade 4-5 Camps  
Grade 6-8 Camps*

### **CAMP SESSIONS**

Week 1: June 2-6  
Week 2: June 9-13  
Week 3: June 16-20  
Week 4: June 23-June 27  
Week 5: June 30-July 3\*  
Week 6: July 7-11  
Week 7: July 14-18  
Week 8: July 21-25  
Week 9: July 28-August 1  
Week 10: August 4-8  
Week 11: August 11-15

\*Special supply 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 – 8 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 **SAIL High School; 2006 Jackson Bluff Road; Tallahassee, FL 32304.**



### **Volunteer Opportunities 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<sup>th</sup> through 12<sup>th</sup> grade are eligible for our Counselor-in-Training Program!

You must pre register and attend a training session on May 28, 2014 from 3 p.m. to 5 p.m. There is a one-time cost for the program of \$25 per volunteer.

Each volunteer is responsible for completing a Level 2 background clearance. The cost of this screening is \$35.45. Directions on carrying out the screening will be sent to you via email.

Appointments must be made in advance.

Call or email Aimee Hills to Register for the Counselor-in-Training Program (850) 591-6362 or [aimee@tallymolab.org](mailto:aimee@tallymolab.org).



## GRADES PREK5-1<sup>st</sup> CAMP SESSIONS

(FULL DAY SESSIONS ONLY)

### ***Playtime Science***

Kick off the summer by discovering the science behind playtime. Build and construct with various materials including K'Nex and Legos. Explore playground science and learn where the best seat is on a see-saw. Enjoy an abundance of challenges like building a bird's nest, flying a kite, and building the tallest tower!

**A1D: June 2-6**



### ***Pachycephalosaur Party***

No need to be thick headed about this camp. It's a prehistoric party where campers explore dinosaurs that roamed the earth and creatures that ruled the sea and skies. Dig in and discover!

**A2D: June 9-13**

### ***Botanical Kids***

It's National Pollinator Awareness week! Discover what the buzz is about as you learn the special connection between plants, insects, and the seasons. Campers will explore nature with flower art, plant dissections, insect hunts, and outdoor discoveries.

**A3D: June 16-20**

### ***Lightyear Space Camp***

Discover the wonders of the universe as you blast about exploring the sun, stars, planets, and beyond! Create a space commander suit, make a solar oven, edible comet, and other out-of-this-world treats. Plus enjoy a stellar planetarium show!

**A4D: June 23-27**

### ***Loco-motion***

It's crazy how everything moves around so differently! Discover the forces that make planes fly, trains roll, people walk, and fish swim. Campers will enjoy art projects, crafty constructions, and experiments. Wow, so many ways to move around!

**A5D: June 30-July 3**

**\*NO CAMP ON JULY 4<sup>th</sup>, which is a State Holiday. Rate for week 5 is \$136.**

### ***Big Blue World***

Set out on an adventure to explore the world's oceans. Discover underwater habitats with predators and prey, experiment with things that sink or float, create sand art to decorate the home, and even enjoy a little pirate science too.

**A6D: July 7-11**

### ***Mama Mia Pizzeria***

Everyone loves pizza! At this camp, you will discover how much this Italian treat can teach you too. We will learn about mixing and measuring ingredients, counting and dividing, get creative with some pizza art, "travel" to Italy, experiment with toppings, and more.

**A7D: July 14-18**

### ***ArtLab***

Enjoy a week of scientific investigation with an artistic twist! Experiment with mixing light and color, trick the eye with optical illusions, create your own paper, tie-dye, and mix a solution to make 3-D art!

**A8D: July 21-25**

### ***Animal Kingdoms***

From the cute to the creepy we will discover the many creatures that roam the earth. Explore amazing adaptations, dramatic defense mechanisms, and colorful climates. You will be busy bees as you build a bug house, make edible bird's nests, and enjoy live encounters!

**A9D: July 28-August 1**

### ***Storybook Science***

Campers will enjoy artistic creations and scientific discoveries from the adventures of our favorite storybook friends. Could Rapunzel's hair really grow that long? What force took Dorothy to Oz? What's the kitchen science behind green eggs and ham? Learn from the Lorax what you can do to protect the environment.

**A10D: August 4-8**

### ***Spark Smorgasbord***

Wrap up an exciting summer of discovery and fun with a week of our favorite art and science activities – magic tricks, pirate projects, sound experiments, savory science, slimy concoctions, weather wonders, and dinosaurs galore!

**A11D: August 11-15**



## GRADES 2-3 CAMP SESSIONS

(FULL DAY SESSIONS ONLY)

### **Wizard School**

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

**B1D: June 2-6**

### **Soarin' Science**

Wow, so many things fly; planes, birds, insects, dinosaurs, and even plants! Make models, launch rockets, and build gliders as you are introduced to the physics of flight and explore all things that soar!

**B2D: June 9-13**

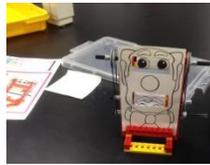
### **Secret Spy Agent**

Learn how to operate undercover! Campers will experiment with invisible ink, write hidden messages, and create chromatography with paper towels. Explore the science behind fingerprints and other tricks of the trade used to solve mysteries.

**B3D: June 16-20**

### **Camp Lego and Constructions**

Use Legos, K'nex, and an assortment of other materials to explore engineering concepts as you construct and invent your own crazy contraptions. Campers will also enjoy a series of engineering activities from a Lego Crazy Contraption kit they keep. Are you up for the challenge?



- Supply Fee: \$15 provides a Crazy Contraption Kit for each camper.

**B4D: June 23-27**

### **National Park Rangers**

Celebrate America's birthday with an expedition to her national park treasures with hands-on experiments and activities in earth science. Recreate Old Faithful, erode your own Grand Canyon, discover the web of life in the Everglades, explore Glacier movement with flubber, and much more!

**B5D: June 30-July 3**

**\*NO CAMP ON JULY 4<sup>th</sup>, which is a State Holiday. Rate for week 5 is \$136.**

### **Jedi Training Academy**

Get ready to explore the Galaxy and beyond - Jedi style. Encounter asteroid fields, explore AI, compare our deep ocean's to those on Naboo, create a hovercraft, enjoy Star Wars trivia challenges, and practice Jedi mind reading tricks! Plus enjoy a totally Tatooine costume party on Friday!

**B6D: July 7-11**

### **Rock Stars of Science!**

Discover the super scientists of yesterday and today in a week dedicated to science "rock stars." Get hands-on and explore gravity with Galileo, electricity with Einstein, have fun getting down with Darwin, get radioactive with Marie Curie, get wired with Bill Gates, and participate in a displacement experiment with Archimedes – Eureka!

**B7D: July 14-18**

### **Pixar Science**

Learn about currents and creatures in Nemo's world. Discover Frozen climates with cool experiments, observe it's a Bug's Life-cycle, explore a Brave world and create a blue wisp, experiment to discover how many balloons it would take to lift a house Up, get in motion with Cars, be inventive and create your own Toy Story, and more!

**B8D: July 21-25**

### **Enviro-Art**

Use your artistic creativity to explore nature and the environment. Use the sun's energy to make solar art, learn to make

Plein Air sketches, create collages from nature, and reuse and repurpose recycled and found objects.

Discover the beauty of nature while also exploring ways to protect the environment.

**B9D: July 28-August 1**



### **Indiana Jones Adventure**

Journey around the world in the footsteps of the great adventurer as you explore ancient cultures and lost civilizations! Uncover the myth behind the crystal skull, create a giant bolder with great momentum, work at a dig site, discover the power of pulleys, and de-code Egyptian hieroglyphs.

**B10D: August 4-8**

### **Spark Smorgasbord**

Enjoy one more week of exciting art and science explorations with a dazzling assortment of experiments and crafts! Explore energy, sports science, grossology experiments, insect art, food science and chemistry concoctions!

**B11D: August 11-15**

## GRADES 4-5 CAMP SESSIONS

(FULL DAY SESSIONS ONLY)

### ***Marvel Myth and Comic Design***

Explore the science of comics and graphic novels while participating in hands-on activities that links today's comic heroes to civilizations of the past. Get hands-on with electricity and machines experiments as you explore the powers of Thor. Discover Norse and Japanese mythology, test the physics behind superhero powers, and create your own Manga characters and comic trading cards!

**C1D: June 2-6**

### ***Rocket Science***

This camp session is intended for beginner and intermediate rocketeers. We will introduce you to the basics of rocketry, explore the past and future of space travel, and participate in hands-on physics demonstrations as you build your own rockets! On Friday, we head to Tom Brown Park to launch for blast off!

- **Lab Fee: \$10** helps covers the cost of Estes Kits and 2L Bottle Rocket powered by a scuba tank.
- **6<sup>th</sup> graders are also welcome to register for this session**

**C2D: June 9-13**

### ***Hogwarts Academy***

All wizards, squibs, and muggles enrolled in this summer session of Hogwart's Academy will participate in daily lessons to assist in the preparation for 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.

**C3D: June 16-20**

### ***Mythbusting Science***

We will enjoy minor explosions and cool experiments as we tackle myths and urban legends. Test the five second rule and discover if a chunk of potassium can really destroy a pool. Can a sneeze really travel 30 feet? Investigate the Bagdad battery - is electricity really only a modern convenience?

**C4D: June 23-27**

### ***Culinary Scientists***

Put your gastronomic creativity to the test and hone your cooking skills as you mix, measure, and heat up some tasty (and possibly not-so-tasty) treats to enjoy. Chemistry, nutrition, physics – this camp has it all!

- **Cooking Lab Fee: \$15**

**C5D: June 30-July 3**

**\*NO CAMP ON JULY 4<sup>th</sup>, which is a State Holiday. Rate for week 5 is \$136.**

### ***Go 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 and create your own games; create your own avatar; and follow the evolution of gaming design and technology.

- **Field Trip Fee: \$25 transportation fee field trip to Gamescape on Friday**

**C6D: July 7-11**

### ***Go Green – Sustainability Kids Camp***

Create your future! Discover ways to protect our world as good stewards through sustainable living. Explore the 3Rs (reduce, reuse, and recycle), engineer old items for new uses, talk the ins-and-outs of trash, design the community of tomorrow, energy audit your home, and explore the relationship between the earth, the sun, and all living things.

- **Field Trip Fee: \$10: On Friday a field trip to Longview Farms on a "Green" bus!**

**C7D: July 14-18**

### ***Pollock's Painting Party***

Get into the action and experiment with the physics behind painting. Discover how Jackson Pollock used gravity and viscosity to create textural patterns, test color combinations, explore fractal geometry, manipulate paints and mediums to create master pieces to adorn your home!

- **Art Lab Fee - \$10**

**C8D: July 21-25**

### ***Hollywood Director's Studio***

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 to debut at the end of the week.

- **Lab Fee: \$10**

**C9D: July 28-August 1**



### ***Lego Droid Designers***

No need to short circuit with this robotics camp! Learn the ins-and-outs of robotics as you explore the relationship of gears to speed and torque, try tasks with robot hands and practice your programming skills on Lego® Mindstorms® Education Software.

**C10D: August 4-8**

### ***Spark Smorgasbord***

Get geared up for school with a week of interactive art and science discovery! Enjoy experiments like egg drops and making a potato battery, build a tower with marshmallows, and collapse a can.

**C11D: August 11-15**

## GRADES 6-8 CAMP SESSIONS

(FULL DAY SESSIONS ONLY)

### **Digital Photography**

Campers will enjoy a week discovering new techniques, experimenting with light and composition, and participating in projects exploring photographic genres. Plus discover how Mac technology can be used to enhance digital creations all the while creating a portfolio of your work. Come see what develops!

- **Special 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.**

**D1D: June 2-6**

### **Minecraft Science**

No need to have played this game to enjoy a week of science discovery. Campers will dig for rocks and minerals as well as explore landforms that make up virtual worlds. Use their creativity to make pixel art, creeper creatures, and origami sculptures. Plus, explore engineering concepts to build shelters; concoct fertilizer for crops; and determine volume and area with your math skills!

**D2D: June 9-13**

### **Architecture 101 (unique opportunity!)**

This week will focus on architecture, environment and design in the context of Frank Lloyd Wright. Find geometric shapes in nature and everyday objects, create pattern and origami art, compare styles and experiment with color, read architectural plans, make a textile brick, and even create an edible model of Fallingwater. On Friday, campers will have the privilege of touring the only private residence Mr. Wright designed that was built in Florida!

- **Field Trip Fee: \$20 transportation and field trip fee to Spring House**

**D3D: June 16-20**

### **Lego Robotics**

Campers are the engineers as they explore the exciting world of robotics. Campers will work with cutting edge Lego® Mindstorms® Education Software and sensors! While getting hands on experience with circuitry and programming culminating in an end of the week obstacle course – are you up for the challenge?

**D4D: June 23-27**

### **Crime Scene Investigators**

Explore the art of investigation in this camp devoted to the science of forensics. Campers will participate in a variety of experiments, discover the important role of plants and animals at crime scenes, gather and analyze evidence, sketch a criminal from memory, and solve “whodunnit” challenges!

**D5D: June 30 - July 3**

**\*NO CAMP ON JULY 4<sup>th</sup>, which is a State Holiday. Rate for week 5 is \$136.**

### **It's a Small World - Nano Science**

Explore nano science and the big role it plays in the field of scientific study. Participate in experiments that explore the challenges of making semi conductor chips, chemistry experiments to classify mixtures based on particle size, and observe nano-scale surface patterns in nature. We will discover how small things deliver a big punch!

**D6D: July 7-11**

### **Videogame Design Zone**

Just don't play the games – create them! Spend the week learning the evolution of video games and get hands-on experiences creating your own games using our MaLab and gaming software. Campers will get experience with programming, story development, learn about cool careers, and more!

- **Field Trip Fee: \$25 transportation fee field trip to Gamescape on Friday**

**D7D: July 14-18**

### **iMovie Makers**

Lights, camera, action! 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 and a stop motion animation production for a Friday film premier. It's a wrap!

- **Technology Lab Fee - \$10**

**D8D: July 21-25**

### **Camp Iron Chef: International Adventure**

Concoct, create, and cook – work with mystery ingredients, learn kitchen safety and cooking chemistry, understand culinary science, master creativity and presentation. It's a week full of hands-on experiments and mini challenges with an exciting twist – each day we will explore a new country! This camp culminates in a 2 hour competition with a mystery ingredient.

- **Cooking Lab Fee: \$25**

**D9D: July 28-August 1**

### **Surreal Science**

Computers and the idea of walking on the moon use to be a surreal science. Explore developments in science such as new sustainable energy technologies, medical advancements, learn about the telepathy helmet and participate in mind experiments, discover recently found ecosystems, and participate in projects that will inspire your curious minds to spark the next exciting innovation!

**D10D: August 4-8**

### **Spark Smorgasbord**

Wrap up a terrific summer of discovery with a week dedicated to our favorite activities and experiments! Spark your excitement with an assortment of hands-on projects such as recycled art, culinary creations, nano science, sustainable energy, and duct tape engineering!

**D11D: August 11-15**

# CAMP SPARK – IGNITING KNOWLEDGE! REGISTRATION FORM

## 1. CAMPER INFORMATION

Camper's Last Name	First Name	Age	Birth Date	School	Grade in fall '14
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:**

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### 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 Code	Camp Title	Fee	Supply Fee
Ex. 2	B1D	Wizard School	\$170	N/A
1.			\$	\$
2.			\$	\$
3.			\$	\$
4.			\$	\$
5.			\$	\$
6.			\$	\$
7.			\$	\$
8.			\$	\$
9.			\$	\$
10.			\$	\$
11.			\$	\$

## 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

Wk #	Mon	Tues	Wed	Thur	Fri
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	Pre	Pre
	Post	Post	Post	Post	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
Wk 11	Pre	Pre	Pre	Pre	Pre
	Post	Post	Post	Post	Post

## 4. CAMP FEES

Invoices will be mailed for balances due.

June Due: June 1

July Due: July 1

August Due: August 1

**Tuition Fee Subtotal:** \$ \_\_\_\_\_

**Sibling Discount (if applicable):** (- \$ \_\_\_\_\_)  
(\$10 off per week for each additional sibling)

**Supply Fee (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 \$10 EACH

(Circle) Youth S M L Adult S M L XL \$ \_\_\_\_\_

**Tuition Total** \$ \_\_\_\_\_

### Due with Registration:

# of Camp sessions @ \$35/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:**

Check # \_\_\_\_\_  Cash

Credit Card Payments – All payments made via Credit Card must be paid online at [www.tallymolab.org](http://www.tallymolab.org)

PayPal Confirmation Number \_\_\_\_\_

\_\_\_\_\_  
Name on Card

\_\_\_\_\_  
Signature

For Internal Use Only

- |                             |                                       |
|-----------------------------|---------------------------------------|
| <input type="checkbox"/> DB | <input type="checkbox"/> Invoice      |
| <input type="checkbox"/> QB | <input type="checkbox"/> Balance Paid |