

Saint Raphael the Archangel

The Guide

A weekly newsletter for the school community

Volume 5, Issue 21

February 16, 2017



From the Principal's Desk

Mrs. Kim Vangel

Dear St. Raphael School Families,

First, I have a HUGE APOLOGY to make regarding my list of where our 8th Graders are going to High School next year. I inadvertently left out our two boys who are going to St. Mary's High School...

So I hope that **SAM SCHICKER** and **SHANE GRIPPI** now know that we are so proud of them and happy that they will be **ST. MARY'S DRAGONS** next year! Congratulations Sam and Shane!

In other news, this is a big week of professional development for teachers. We have 3 teachers attending different STEM workshops and conferences in the St. Louis area this week. It's exciting to hear all the new ideas and see them being implemented in our classrooms. This Friday, Feb. 17th is a Professional Development Day for all of our teachers K-8. Our K-5 teachers will be visiting St. Margaret Mary Alacoque School to observe the great things they are doing in STEM education, as well as flexible seating in their lower grades. Our 6-8 teachers are visiting Math, Science, and English Language Arts department heads at Cor Jesu Academy to talk about what more we can do at St. Raphael to prepare our students for a rigorous high school environment. We are looking forward to learning great things from our colleagues in Catholic education.

Many thanks again to our SRA Ladies Club for their generous monetary gift earlier this school year; after much research and discussion, we are using the funds to purchase a school-wide reading assessment program. Along with educators all across the country, we are seeing students have greater and greater difficulty with reading throughout K-8, and we are exploring ways to address this big issue. The Fountas & Pannell Reading Assessment system is the industry leader, and will give us tools to measure and report on the same components of reading throughout each student's academic career at SRA. This concise and consistent assessment reporting should give us many insights into each student's strengths and weaknesses in reading so that we can direct our instruction and intervention in a meaningful way. We plan to begin using the assessment program next school year.

Our school community has also been asked to help with the parish-wide Lenten project: "Buy a Van" for the Queen of Peace Center (QOPC), which you will be hearing more about in the coming weeks. QOPC helps women suffering from substance abuse as well as their children, and they are in desperate need of a new van to transport the women and children from their living quarters to the daycare center, as well as to the places where the women receive social services. At school, we will be focusing our efforts on how we can help the children in addition to helping to purchase a van for QOPC. Our first event on this February 28th. This is a fun carnival held during the school day, and you will be receiving ticket order information soon. Please help us to help others!

Finally, I ask that you keep all of our teachers and students in your prayers for continued success at school. And thanks, as always, for all of your support.

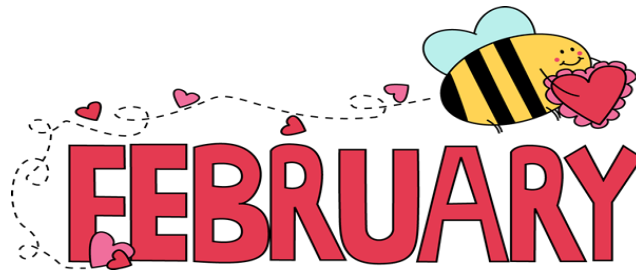
Peace,
Kim Vangel
Principal



Daily Mass Time:
8:00am Grades K - 8
Monday - Thursday

All School Mass
8:00am
February 23, 1017
Weekday Mass
5th Grade Planning

Benediction 2:00pm
First Friday of the
month



- Feb. 17-19 – Luke 18 St. Louis Life Teen at Bishop DuBourg H.S.
- Feb. 19 – 10:00 Family Mass/Donut Sunday
- Feb. 20 – President’s Day No School K-8 Preschool is open
- Feb. 21 – 10:30am Jump for Heart Kickoff in school gym
Ends Friday, March 10
- Feb. 22 – 3:15-4:30pm SRA Schola Rehearsal
- Feb. 24 – 6:30-8:30pm St. Mary’s Trivia Night
(6-7-8 Grade boys & girls)
- Feb. 25 – History Day Regionals at UMSL
- Feb. 27 – 3:15-5:00pm STEAM Club K-3
- Feb. 28 – 2:00-3:00pm SRA Mission Carnival for Queen of Peace “Buy a Van” Project
- Feb. 28 - 3:15-5:00pm STEAM Club 4-8
- Feb. 28 – 3:15-4:30pm SRA Schola Rehearsal



**March 1 – 8:00am Mass Ash Wednesday
7th Grade Planning**

- March 1-April 13 - Lenten Mission Project
- March 3 – Black & Gold Accessory Day
- March 3 – 8:40-10:30am Healthwork Museum Field Trip
(6-7-PK)
- March 3 – 2:00pm Benediction
- March 6-10 - Canned Food Drive

February Birthdays

- Madeline Shine-21
- Tommy Dame-22
- Miss Molly-22**
- Addison Berta-23
- Madalene Cierpiot-23
- Ardian Hoxhaj-23
- Lilly Bick - 25
- Kaihli Doty-27
- Elizabeth Guenther-27



February 21 – March 9, 2017
Every \$50.00 raised helps
SAVE ONE LIFE

Seventh Graders are in charge of safety patrol at the corner of Bishops Place and Highfield. Students should arrive by 7:30 in the morning and again in the afternoon at 3:10. Thank you!

3rd quarter patrol schedule:

Week of February 21st

Ardian & Billy
Anna & Hannah



RECESS/LUNCH DUTY

Want to spend an hour during the day helping out at recess or lunch duty at St. Raphael? We would love your assistance! The times of lunch and recess are as follows: 11:10am Preschool goes to lunch—11:15-11:40am (K-3) - 11:45-12:05pm Lunch (4-8). All volunteers must have completed their Protecting God's Children requirements. If you can help, please email Lori Stawizynski at loristaw76@yahoo.com

Monday, February 20 No School

Tuesday, February 21 Stephanie K. & Nicole R.
Wednesday, February 22 Candice O. & Bridget D.
Thursday, February 23 Kristina C. & Linda K.
Friday, February 23 Terry B. & Ashley L.



KINDERGARTEN REGISTRATION

The process for the 2017-2018 Kindergarten registration is now open. Children who are to be registered must be 5 years old by July 31, 2017. If you are interested in touring our school or would like to request a packet of information and the registration form you will need to complete, please call the school office at 314-352-9474. Registration packets may also be mailed if requested.



Edward J. Naeger, Sr. and Karen (Jones) Naeger Scholarship Opportunity

Two scholarships will be awarded for the 2017-2018 school year- one for St. John Vianney High School and one for Nerinx Hall High School. Each scholarship is for \$1,000 and is based on community service that you have completed. This is open to 8th graders through juniors in high school who will be attending either of these schools for the 2017-2018 school year and meet the criteria. For more information and to apply, please go to http://naegerins.com/scholarship_information

Vianney welcomes 7th graders interested in being a Griffin to take a shadow visit during March and April! Students will be paired up with a current Griffin, experiencing our innovative and hands-on curriculum, Family Spirit and the world famous lunch in the Griffins' Cafe.

To sign up online: Go to our [Visit Vianney](#) page and check out the online calendar. Once you find the open date that works for you, scroll down, and click on the "Schedule a Visit" icon. There, you can fill out the online form and submit it! You'll receive a call from our admissions office to confirm your day.

If parents have questions or would like a tour from our Admissions Director, you can set that up by calling Monica Sabatino at [314-965-4853](tel:314-965-4853) ext. 134 or via email at msabatino@vianney.com.



Mrs. Diane Gewinner: Learning Consultant

The Kinesthetic Learner

What the learner requires:

The use of hands on activities, opportunity to manipulate, quick writing activities and physical movement.

What the teacher can offer:

Movement within the classroom, use of a textbook or work book, computer games, seat changes, fill in the blanks, experiments, pats on the back.

ADDITIONAL TOOLS TO HELP THE KINESTETIC LEARNER:

Multiple techniques that were listed for both the auditory and visual learner, hand held electronics devices, acting out experiences, instructing the student to say aloud or in their head items of importance for better retention.

PARENTS CAN LOOK FOR THESE OTHER CHARACTERISTICS OF KINESTETIC LEARNERS:

They want to own, use, and manipulate objects, pencil tapping on a table or desk, require more breaks, often upon their knees, turning their chairs around as they sit, first ones out to recess, may not remember details.

Just for fun take an online learning style quiz and see what learning style you and your child may be.

REMEMBER: As with all of us, we may be a combination or blend of all three learning modalities. We may favor one modality when we are in the process of learning.

Mrs. Peggy Martin: Physical Education & Art Grades Pk-3

Last week we began practicing Badminton with balloons. K-3 will advance to birdies this week. We will also revisit Basketball this week to hone our skills. We will learn a new drill to help us to use both hands when we dribble. Practice makes perfect. Have a great week.



Mr. John Bruno: Physical Education—Grades 3-8

Last week we had our own St. Raphael winter classic hockey game. The students seemed to really enjoy playing hockey outside. As for conditioning, we did an activity that I call The Last Man Up. It was a challenging activity that really pushed the students to better themselves. As I mentioned earlier, the month of February students will be staying active with several sports, fitness and rhythm activities. Indoor team sports such as floor hockey and soccer will be introduced. They will work with short and long jump ropes along with a new rhythm activity called tinikling. I hope the students will enjoy the upcoming activities and look forward to working with them.

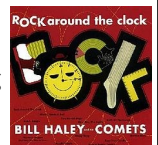
As always, I will continue to develop muscular strength, endurance and flexibility.



Mrs. Caroline Zarinelli

Rock Around the Clock

First Graders are practicing their time-telling skills by singing and dancing with Rock Around the Clock. They are working on the hours and minutes-by-fives. The kids are even singing solos and doing new dance moves between each time challenge!



Mrs. Kim Westrich: Art

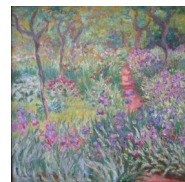
This week, most classes reviewed the 8 Studio Habits of Artists. We connected the ways that they collaborate with peers on art, how they plan the next steps, choose the materials, decide when the art is finished and clean-up the supplies to the Studio Habits.



Miss Molly Preschool Room A

Happy Valentine week. I hope everyone had a beautiful Valentine Day. Preschool A had a great party on Tuesday. There were games, food and the sharing of Valentines with all our friends. I would like to thank all the moms for putting together a great party and making it a fun day for all.

This week we are learning about some of the world's great artists. We have looked at paintings by Monet, Pollock, Mondrian and Van Gogh. Please stop by our hallway and take a look at our masterpieces. We have also listened to classical music all week to go with our famous artists. We have had a week full of culture. It truly is exciting introducing these concepts to the children. Thank you and God Bless.



Miss Chris Preschool Room B

Our theme this week was Valentine's Day. We had a wonderful time at our Valentine party. We are so grateful to our room parents and parent volunteers who helped create a fun celebration for us to enjoy. We have been talking all about love and how we can show love for others. We discussed the fact that God loves us so much and is always there for us. The Bears wish to send love to all of you!



Kindergarten News: Miss Abby Morris & Mrs. Doyle

Hello SRA Community,

In honor of Valentine's Day, we have been focusing on how there is love all around us. We can find love through people at school, our families and activities we enjoy. Our Valentine's Day party was a success! Thank you to all the parents who helped make this day great for the students.



First Grade News: Mrs. Louise Balicki-Smith

First Graders are combining their knowledge of place value and addition fact fluency to add two digit by two digit numbers. First we "karate chop" the problem in half to separate the tens and ones column, next we add the ones column, then we add the tens column to get the solution. When we add kinesthetic motions and fun sayings to our learning, the kids are better able to retain multi-step processes! We have also applied this strategy to religion, science and parts of speech previously. If you see a First Grader, ask to check out his or her awesome karate chop and then ask what that has to do with math?



Second Grade News: Miss Stephanie Amsler

This week Second Grade is learning how to solve word problems. We are using the acronym CUBES to help us through it. We have to circle the numbers, underline the question, box in the important words, ex-out any extra information and then show our work to solve the problem. The steps of CUBES help us determine whether to add or subtract to solve the problem.

In Religion we are learning the parts of the mass. We are half way through the parts of Liturgy of the Word. We are focusing on the prayers and responses used during the Liturgy of the Word. First Communion is April 30 at 10 AM mass. Please pray for us as we continue to learn and prepare for First Communion.



Third Grade News: Ms. Susan Polson

Third Grade had a great week. We did lots of science this week. We learned the six Simple Machines. The Unit we are studying is called "How Things Move" and we discussed vocabulary: forces, gravity, friction, position, speed, distance etc. Our experiment was called Speed Ramp whereby we tested a Hot Wheel car traveling down three different heights of a wooden ramp (Mr. Bob kindly made). Each student made a hypothesis and wrote down correct procedure and materials needed. We measured the distance (five trials) and averaged the distance on our calculator, gathering data, graphing results and doing our written report. It was a lot of fun and very educational.

Miss Patti Woods: Social Studies, Science, English (4-5)

In Fourth Grade Social Studies, we have finished our studies of the Louisiana Purchase. We are now beginning to study how the Louisiana Purchase, Westward Expansion and Lewis and Clark all go hand in hand. We will discover the important role Missouri/Saint Louis has in all of these topics. In Science, we will be putting our knowledge of force and motion to a test and experiment with a ramp, different masses and sizes of balls, and friction to first make an educated guess as to how far they will travel, and then try it out to test our hypotheses. In English, we will be working on our Capitalization and Punctuation skills. In Religion, we are busy studying the Beatitudes and how we can relate them to our everyday life.

In Fifth Grade Social Studies, we finished the unit on the Branches of the Government. We are now learning how to use coordinates to find the absolute location of cities and states, as opposed to relative locations. In Science, we will be finishing our work on Force and Motion. In English, we are working on Pronouns.

Miss Amanda Imo: Reading, Math (4-5)

Fifth Grade: In Religion the students are focusing on the Sacrament of Reconciliation. We have discussed the rite and analyzed various situations to determine ways to make up for the sins we make. During Math the students are adding and subtracting fractions with both like and unlike denominators. We read a story about Abraham Lincoln and learned that he is very different than photographs portray. The students should also be working on their historical figure project that is due March 8th.

Fourth Grade: The Fourth Graders have begun our unit on fractions. We started with learning what a fraction is and how to find equivalent fractions. In Reading the students started our next novel study Shiloh. The students began with pre-reading discussion questions to get them thinking about the main themes in the book.

Mrs. Christy Connor: Social Studies & Religion (6-7-8)

English: All three classes have completed their review of nouns and have begun looking at verbs. They are starting with action, linking and being verbs and will continue on with various verb tenses. These verb tenses include simple tenses, perfect tenses, as well as progressive forms of verbs.

Social Studies:

Grade Six students are completing their study of ancient African kingdoms and are looking into the kingdoms of Egypt. They are creating their own cartouches - their name printed in Egyptian Hieroglyphs.

Grade Seven students continue to work on the Citizenship Handbook which covers various aspects of the U.S. Constitution. They are currently learning about the legislative, executive and judicial branches.

Grade Eight students are learning about the Cold War events that took place after World War II. They are creating a timeline which includes these events.

Mrs. Laura Berns: Science (6-7-8) Standard Math (6-7-8)
Miss Ashley Schaaf: Science (6-7-8) Challenge Math (6&7) Algebra 8

MATH:

In Sixth Grade Standard Math we are calculating area and perimeter of regular and irregular polygons. Sixth Grade Challenge Math is working on solving proportions and making applications for that knowledge.

In Seventh Grade Standard Math students are calculating taxes, tips and discounts. (Ask your son or daughter at what price you should use a 20% off coupon instead of a \$5 off coupon at Bed, Bath & Beyond.)

Seventh Grade Challenge Math is finishing up the chapter over percents and proportions, and taking their test Wednesday.

In Eighth Grade Standard Math students just completed a test over system of equations. We are now investigating the properties of exponents.

Eighth Grade Challenge Math is continuing their work on exponential functions and simplifying with multiplication properties.

SCIENCE:

ALL SCIENCE FAIR PROJECTS ARE DUE THURSDAY, FEBRUARY 16TH!! Please stop by the cafeteria after 10:00 mass on Sunday to take a look at all of our students' hard work.

Mrs. Jennifer Runiewicz: Literature (6-7-8)

Literature: Sixth Grade is learning more about children of war. They are comparing the experiences of children in Germany and Poland during WWII, like Anne Frank and Daniel, to children of Japanese internment camps and Korean camps. Seventh Graders are learning about how some families helped to hide those who were victimized throughout these holocausts. Eighth Grade is nearing the end *Between Shades of Gray*, where they learned about how the tragedy and insidiousness of WWII made its way through Lithuania. Throughout their reading, students are learning to compare and contrast different experiences the characters of each novel encountered, how to actively participate in literary group discussions and to effectively present information citing evidence from the text.

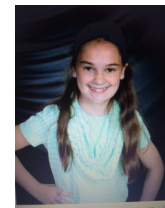
Vocabulary Workshop schedule should be taped/stapled to their vocabulary book cover or in their assignments books. I've also shared the schedule with each of them on Google Drive. Our Unit 10 spelling and vocabulary test will be Tuesday, February 21st.

Religion: Sixth - Reaching the Promised Land

Religion: Seventh - Confirmation - Gifts of the Holy Spirit

Religion: Eighth - Martyrs of the early Church

Hello! My name is Grace and I am in Seventh Grade. For my Service Project this year, I am collecting aluminum tab tops which are the aluminum tops found on the tops of aluminum soda cans. These are for the Ronald McDonald House of St. Louis. The Ronald McDonald house helps those in faraway cities who are in need health care in St. Louis. It is also a place for families who need a place to stay near the hospital. The Ronald McDonald house takes the tabs to a recycling company and the recycling company gives back 100% of the money. I have set up some containers by the main office for you to drop off any donations you have. I will be doing this project from September 19th 2016 to March 19th 2017. Thank you for your generosity and remember to bring in your tab tops.



STUCO

February 28 - Queen of Peace Center Mission Carnival
March 1 - April 13 - Lenten Mission Project - Queen of Peace Center
March 6-10 - Canned Food Drive



CHURCHILL

CENTER & SCHOOL

National Leader in Learning Disabilities

2017 SUMMER PROGRAMS

JUNE 12th - JULY 21st

Summer School

8:30 a.m. - 2:15 p.m.

Our six-week program designed for children ages 6 - 15 with specific learning disabilities, features a daily 1:1 tutorial and individualized curriculum including language arts, math, auditory visual training and motor skills fused with creative and interactive experiences to empower students to thrive in and out of the classroom!

Ready, Set...Read!

8:30 a.m. - 10:00 a.m.

Our research-based program is designed for kindergarten and first grade students who are not reading with ease. The curriculum, along with teaching techniques that differ from traditional reading instruction, focuses on phonemic awareness and listening skills, manuscript handwriting practice and learning how to read and spell one-syllable words.

Learn more at churchillstl.org.



For further information, please contact Anne Evers at
314-997-4343 or aevers@churchillstl.org.



<https://mail.google.com/mail/u/0/?ui=2&ik=46b8eb06cb&view=pt&search=inbox&th=159f589bd4f56bd3&siml=159f589bd4f56bd3>

2/3



SRA Mission Carnival
Tuesday, February 28th, 2:00-3:00
Ticket Order Form



*Money raised will be donated to
 Queen of Peace Center "Buy a Van" Project*

Each game and raffle entry is one ticket, and each ticket costs 25¢.

We encourage students to bring in between 25¢ and \$5.

However, all donations are gladly accepted. Cash or checks made payable to SRA.

All unused tickets will be entered into a raffle at the end of the day to win a variety of gift card prizes.

Gus's Pretzels will also be available to purchase for 4 tickets or \$1

*** Please complete a separate order form for each child ***

Name of Student:

Grade of Student: _____

Number of Tickets: _____

All ticket orders are due no later than Monday, February 27th.

*Thank you for your contribution and continuous support
 SRA Student Council*

*** Please complete a separate order form for each child ***

Name of Student:

Grade of Student: _____

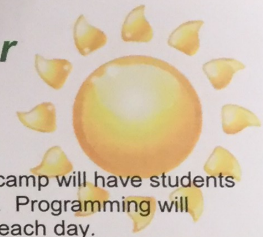
Number of Tickets: _____

All ticket orders are due no later than Monday, February 27th.

*Thank you for your contribution and continuous support
 SRA Student Council*



The Green Center's Nature Explorer Summer Camps 2017



Spend the summer at one of The Green Center's **Nature Explorer Camps**! Each camp will have students explore our prairie, forest, wetland, greenhouse and discovery garden outdoor classrooms. Programming will take place both **indoors** and **outdoors**. *Please note:* Students **do** need to bring a lunch each day.

<p>Nature Explorer: Nature Play Camp</p> <p>This 5-day camp will reconnect children to nature and offer them experiences to explore, discover and interact with the natural environment. Students will use their senses in the outdoors, learn about different habitats, identify plants and animals, create art projects and participate in a scavenger hunt.</p> <p>Date: June 5-9 Ages: <u>5-7 years old</u></p> <p>Time: *9:00am - 3:00pm</p> <p>Cost: \$135.00 (includes all materials)</p> <p>*Before & After Care is available at 8:30am and until 3:30pm each day upon request for an additional \$25 fee for the week.</p>	<p>Register by <u>May 30, 2017</u></p>
<p>Nature Explorer: Nature Photography Camp</p> <p>Learn how to take nature photographs in our beautiful outdoor spaces in this 5-day camp. Students will learn the basics of using a digital camera, develop their photography skills by taking pictures in the natural settings of our outdoor spaces and participate in a variety of photography projects using their own photos. Cameras will be provided for students to use.</p> <p>Date: June 12-16 Ages: <u>8-13 years old</u></p> <p>Time: *9:00am - 3:00pm</p> <p>Cost: \$135.00 (includes all materials)</p> <p>*Before & After Care is available at 8:30am and until 3:30pm each day upon request for an additional \$25 fee for the week.</p>	<p>Register by <u>June 2, 2017</u></p>
<p>Nature Explorer: Get Outdoors Camp</p> <p>This 5-day camp will teach children to be creative with nature and discover new ways to get OUTside and play! Each day will be full of art projects utilizing materials we find outdoors, activities such as orienteering, games in our natural habitats and more!</p> <p>Date: June 26-30 Ages: <u>8-13 years old</u></p> <p>Time: *9:00am - 3:00pm</p> <p>Cost: \$135.00 (includes all materials)</p> <p>*Before & After Care is available at 8:30am and until 3:30pm each day upon request for an additional \$25 fee for the week.</p>	<p>Register by <u>June 16, 2017</u></p>
<p>Nature Explorer: Green Chef Camp</p> <p>Students will be cooking with nature in this 5-day camp. Learn about the plants we have in our gardens, how to grow them and use them to make delicious dishes. We will explore our native Missouri plants and learn about their medicinal uses, hunt for wild edibles and learn about chickens. Only hungry kids need apply!</p> <p>Date: July 31- August 4 Ages: <u>8-13 years old</u></p> <p>Time: *9:00am - 3:00pm</p> <p>Cost: \$135.00 (includes all materials)</p> <p>*Before & After Care is available at 8:30am and until 3:30pm each day upon request for an additional \$25 fee for the week.</p>	<p>Register by <u>July 21, 2017</u></p>

Registration with payment must be received by the registration due date. Space is limited for each class!

To register for the camp, fill out and return this form with your check made out to **The Green Center**. **Additional camp registration papers will be sent to you** upon receipt of this form that will need to be turned in on the first day of camp.

Parent Name: _____

Child Name: _____ Age: _____ (2017-8) Grade: _____ School: _____

Program: _____

Address: _____

Phone: _____ E-mail: _____

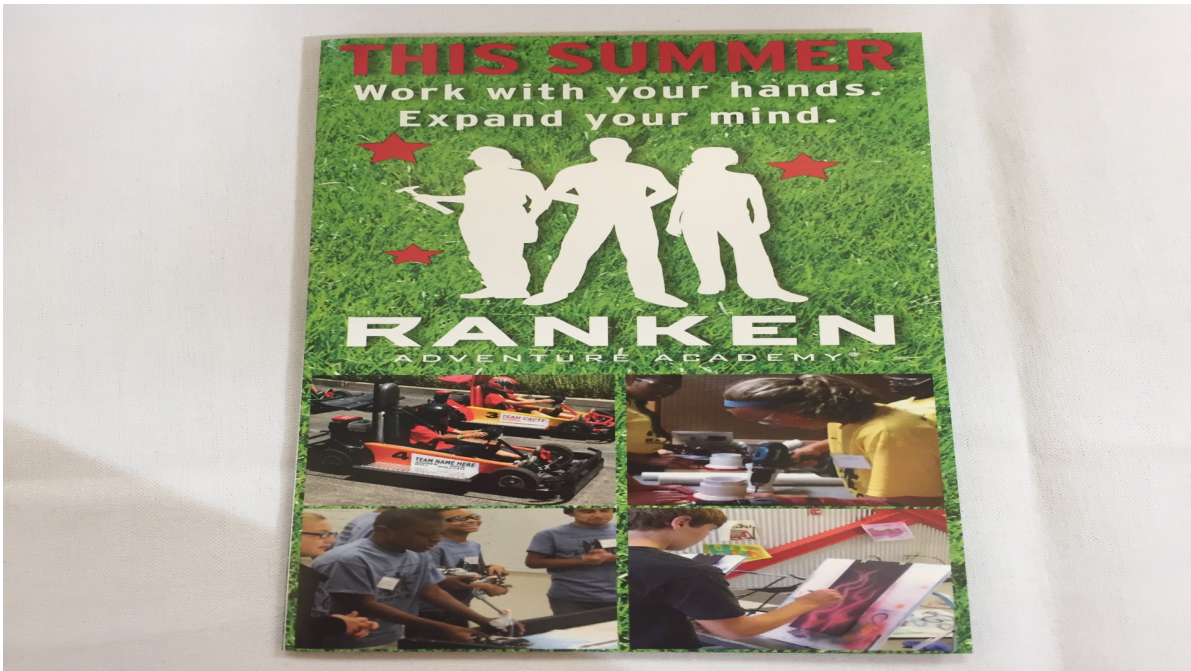
Mail to: Kathleen Kapayou
The Green Center
8025 Blackberry Ave.
University City, MO 63130

For information, contact:
classes@thegreencenter.org
 (314) 725-8314 Ext. 105

<p>Camp Fee: \$135.00</p> <p>Before/After Care: + _____ (If applicable, \$25)</p> <p>Total Check Amount: \$ _____</p>
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The Green Center is a not-for-profit 501(c)3 organization whose mission is to *Connect People with Nature Through Science and The Arts.*

The Green Center 8025 Blackberry Avenue St. Louis, Missouri 63130 314.725.8314 www.thegreencenter.org



Challenger Learning Center-St. Louis Summer Space Adventures

2017

All camp programs run from 9 am -3 pm. Before- and after-care is available, 7:30am – 5pm. All campers receive a 2017 Summer Space Adventures t-shirt. Registration is online at challengerSTL.org.

Astronaut Training Camps

Each Astronaut Training Camp includes a variety of out-of-this-world experiences such as rocket building, underwater training in SCUBA gear, customizing spacesuits, and constructing and living in a lunar colony. All camps included simulated space missions.

Young Astronaut Training Camp

Age: Ages 8-10

Dates: Session 1: June 5 – 9
Session 2: June 12 – 16
Session 3: July 10 – 14

Cost: \$210

Astronaut Training Camp

Age: Ages 10-13

Dates: Session 1: June 19 – 23
Session 2: June 26 – June 30

Cost: \$210

Advanced Astronaut Training Camp

Age: Ages 10-13 (includes SCUBA)

Dates: Session 1: July 17 – 21
Session 2: July 24 – 28

Cost: \$250

Advanced Rocketeering

Campers build and launch rockets, culminating in building their own customized rocket – complete with 3D printed parts they design themselves! Each participant will also build their own electronic launch system and platform, to continue the innovation far into the future.

Age: Ages 10 and up

Date: June 5 – 9

Cost: \$275

Sports in Space – NEW!

Could you slam-dunk on Mars? Spike on a spacewalk? Throw a curve ball on the Moon? Pirouette on Pluto? Campers will experiment with gravity, air resistance, momentum, and more to figure out how they could change their favorite sports to make them work elsewhere in our Solar System.

Age: Ages 10-13

Date: June 12 – 16

Cost: \$250

Innovators' TechShop – NEW!

Campers will learn to use drills, band saws, soldering irons, and other shop tools, and combine them with high-tech gadgetry like Arduino micro-processors and 3D printers. Then, they will take their new maker skills to the next level with two days at TechShop St. Louis, where they will learn to use advanced rapid prototyping equipment like laser cutters and vacuum formers.

Age: Ages 12 and up

Date: June 12 – 16

Cost: \$425

Aquatic Robotics

Campers will use devices such as soldering irons, rotary drills and voltmeters to learn basic robotics and build their own custom SeaPerch ROV, an underwater robot! The program culminates with a specially designed human/robot "weightless" experience where participants will learn the basics of SCUBA and join their robot in an underwater mission.

Age: Ages 12 and up

Date: July 17 – 21

Cost: \$350

Mars Camp- NEW!

July 31-August 4, The Challenger Learning Center is partnering with the Saint Louis Science Center to offer a camp for astronauts entering grades 4-6. This camp is hosted by the Science Center, but will spend two days running simulated space missions at the CLC. More information can be found at slsc.org/Summer-camps.

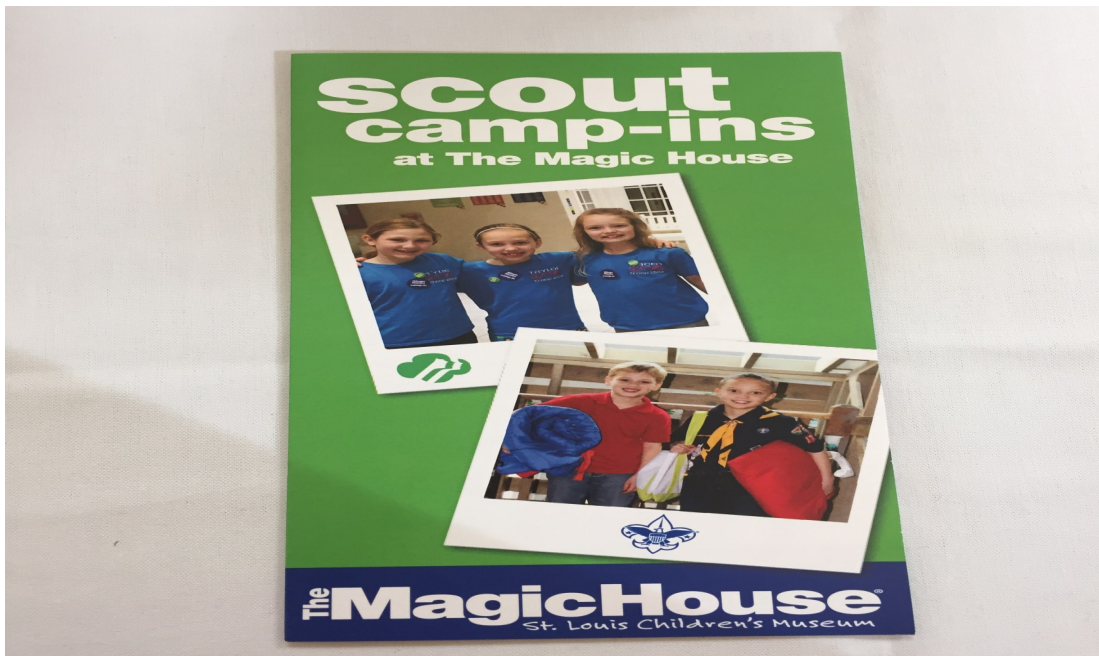


Register online at
www.challengerSTL.org

205 Brotherton Lane
Ferguson, MO 63135
314/521-6205

Challenger Learning Center-St. Louis partnership





STEM SCOUTS™
SCIENCE
TECHNOLOGY
ENGINEERING
MATH

Joey Stokes
STEM Scouts Executive
314-256-3046
314-814-8146
Boy Scouts of America
Greater St. Louis Area Council
455 S. Main St.
St. Louis, MO 63102

Register online at
www.challengestem.org

205 Brotherton Lane
Ferguson, MO 63103
314/521-6205

STEM Scouts Fees

Youth Membership: \$200 Annual fee for registration, eye protection, core activity materials, online portal access, and secondary liability insurance (provided by the Greater St. Louis Area Council).

Adult Leaders: \$50 each annual fee for Lab Manager, Associate Lab Manager, and Lab Guide

Chartered Organization: \$40 unit liability insurance

Youth and Adult fees include lab supplies, lab module materials, and goggles for the year. An optional lab coat, STEM Scout t-shirt, and lab manager polo must be purchased at a local Scout Shop.

Registrations run from September to August.

Contact Information

Joey Stokes — STEM Scout Executive
314-256-3046
joseph.stokes@scouting.org
www.stemscouts.org

A program being developed by the Boy Scouts of America.

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SESSION 1: MON. – FRI., JUNE 12 THROUGH JUNE 23

SESSION 2: MON. – FRI., JULY 10 THROUGH JULY 21

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FOR MORE INFORMATION, read the registration information at the end of this PDF, check the MEGSSS website (MEGSSS.ORG) or contact Project MEGSSS at summerdirector@megsss.org (314-842-5968). Since 1980, Project MEGSSS, a nonprofit, 501(c)3 corporation has provided services to all qualified students regardless of race, color, gender, creed, or national origin. Financial assistance available to students who qualify.