

St. Joan of Arc School

Grounded in Faith. Focused on the Future

Phone (410)272-1387 Fax (410)272-1959 school@stjoanarc.org

February 10, 2021

Dear SJA Families,

Congratulations to Mrs. Amy Lane, SJA Teacher of the Year!! Amy is so dedicated to the students, so efficient in communication, and so patient with her students and Principal! Every teacher here has worked so hard this year and I am so proud of all our dedicated teachers!

We are continuing to provide STEM projects for students. Attached, please find additional opportunities for STEM education in the monthly STEM Parent Newsletter. Our February project is *How to deliver a Valentine while Social Distancing*". I'm sure that the students will have some creative ideas!



Student Council is selling Valentine Candygrams! A flyer is attached

for your order. They are limiting orders to 5 per student this year due to restrictions.

Thanks so much to all families who have re-registered for the 2021-22 school year. If you have any questions or concerns, please reach out to the Advancement Director, Elisa Maid <u>emaid@stjoanarc.org</u> It is not too late to re-register. To begin this process, go to <u>https://stjoanarc.schooladminonline.com</u> Log-in to your account and complete the **'Registration form'** to begin the re-registration process. Attached are the tuition rates for next school year.

There is still time to apply for **financial aid** in the 2021-22 school year, please log into your FACTS account <u>https://online.factsmgt.com/signin/3QD7M</u> and go to Grant and Aid to do so. In order to qualify for all available assistance, your application must be completed by February 28, 2021.

As you re-register, please remember to submit a **Catholic Discount Form** signed by your pastor. <u>https://a54f25105f29b27fe943-4e9f31119b388a10b8af2cac271f2c1a.ssl.cf5.rackcdn.com/Catholic-Tuition-updated-form-2021.pdf</u>

Lent begins next week with Mass on *Ash Wednesday*. Please join the students at liturgy at 8:30AM which the Parish will livestream <u>https://www.youtube.com/channel/UCVd6IA7FU67VZdh0QJjhwGw</u> As students learn about this most holy season of the Church, there are some things of note.

- Students will pray the Stations of the Cross in their classrooms in an age-appropriate presentation every Friday.
- Students will learn about Lent, Holy Week, and Easter in Religion class which is so vital to our Catholic faith.
- Students will bring home a **Rice Bowl**. Each year we ask the children to consider those less fortunate in the world and donate what they are able to Catholic Relief Services. Perhaps they can give up a treat, give some of their allowance, or even do extra chores to earn some money. For more information go to https://www.crsricebowl.org/

Message from the Home & School Association:

Home & School is *Wishing you a Lotta Love!* Take a chance to win one of 5 baskets with 10 or more lottery tickets. Raffle drawing live on Facebook, February 12th <u>https://www.facebook.com/St.joanofarcHSA</u> (make sure that you like us!) Flyer attached

SJA continues to participate in **BoxTops for Education**! Download the BoxTop App on your phone and choose St. Joan of Arc. It's all accomplished electronically! See the attached flyer for special offers.

Earn \$\$ off tuition with **Scrip.** A special Thankscriping Day on February 18th and 19th is coming soon! SJA will give you back ½ of the percentage earned. Do you know that a family earned over \$ 450 towards tuition just by shopping with scrip for things that they already purchase?! https://www.shopwithscrip.com/SJA FAMILY ENROLLMENT CODE # 75592FF451446

St. Joan of Arc School is now registered on the **Safe Schools Maryland** site, an ANONYMOUS and FREE reporting system available to students, teachers, school staff members, parents, and the general public to report any school or student safety concerns, including mental health concerns. Safe Schools Maryland is Maryland's only official anonymous reporting system. Safe Schools Maryland operates twenty-four hours a day, seven days a week, and 365 days a year. Your anonymous report can be submitted by calling the tip line (1-833-MD-B-SAFE / 1-833-632-7233), completing an online form, or downloading the free Safe Schools Maryland app from the App Store or Google Play To report a tip online, go to https://schoolsafety.maryland.gov/Pages/Tipline.aspx



Get families ready to earn up to 19% with 60+ bonuses on eGift cards and reloaded gift cards

It's the first February ThankScriping Day and it's two days long. Mark your calendar for the big event, happening the 18 – 19. It's a huge opportunity to multiply your organization's earnings with bonuses on many popular brands.

Things to know

- Bonuses apply to eGift cards and reloaded gift cards only.
- Families must have an online account to participate.

Waste Free Wednesday returns! Bring your lunch in reusable containers to save the environment. (Flyer attached)

Please remember also to **check PowerSchool** weekly for students in grades 2 through 8. You can set your account in Powerschool to give you weekly updates. The Business Manager, Mrs. Pam Franke, reminds parents to check their **FACTS** account for incidental payments for the few items not covered by tuition.

We are in the process of scheduling Summer Camps at SJA. We will be having **Camp Invention STEM Camp** the weeks of July 5th and July 12th. A flyer is attached.

Thank you for your support! We miss seeing everyone in person.

Peace and all good, Mrs. Ginger Bahr, Principal <u>vbahr@stjoanarc.org</u>













TAKE A CHANCE AN WIN ONE OF FIVE LOTTO BASKETS!

1 TICKET FOR \$5.00 5 TICKETS FOR \$20.00

RAFFLE DRAWING ON FEBRUARY 12, 2021 LIVE ON FACEBOOK @ St.joanofarcHSA (make sure you like us)

PLEASE CUT OFF AND SEND TO SCHOOL WITH CASH OR CHECK CHECK MADE PAYABLE TO: SJA HSA – LOTTO LOVE

#	Tickets:		\$	=	
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Family Name:_____

Grade:_____

EACH BASKET WILL HAVE 10 OR MORE LOTTO TICKETS

OR YOU CAN VENMO @ SJA-HSA (VENMO – make sure you leave email address in comments)

February Candy Grams

Presented by SJA Student Council



Candy Gram money will be due by February 17. Candy grams will be distributed February 19.

You can by 1 for \$0.25 or 5 for \$1

There is a maximum of 5 candy grams per student due to covid 19!

If interested please write your name and who you would like to receive the candy gram on the ticket below, then attach your money to the flyer and hand it in to your homeroom teacher!

Jo:	Jo:	To:	To:	To:
From:	From:	From:	From:	From:

HOW IT WORKS-DOWNLOAD THE BOX TOP APP ON YOUR PHONE AND CHOOSE ST JOAN OF ARC SCHOOL



BUY BOX TOPS PRODUCTS

Look for the logo. You can find it on hundreds of products you know and love.



SCAN YOUR RECEIPT ON THE APP

No more clipping. Tap the scan button and snap a photo of your receipt within 14 days of purchase.



EARN CASH FOR YOUR SCHOOL

It's that easy! Box Tops earnings are identified and automatically updated online.

CURRENT OFFERS ON THE APP!!

EARN 10 BONUS BOX TOPS

when you buy any 2 participating Annie's granola bars, cookies or crackers at Target starting on 2/1/21. Purchase by 12/28/21. Limit 5 claims per receipt. Offer valid while supplies last.

EARN 55 BONUS BOX TOPS!

when you buy any 5 participating General Mills products at SAFEWAY starting on 12/20/20. Purchase by 2/15/21. Limit 3 claims per receipt. Offer valid while supplies last

Any questions regarding box tops please email Sarah at otooles51@yahoo.com



St. Joan of Arc STEM Family Newsletter

"The main hope of a nation lies in the proper education of its youth."

— Desiderius Erasmus Roterodamus

February 2021

STEM encourages critical thinkers, entrepreneurs, and change-makers, who will lead the nation at the forefront of discovery. Help us inspire our students to change the world!

Recent Happenings

Pre-K - Solid Shape Building





Middle School - in the Science Lab





Camp Invention is returning to St. Joan of Arc this summer!

In partnership with the National Inventors Hall of Fame ® (NIHF), St. Joan of Arc is pleased to, once again, offer the nationally acclaimed Camp Invention ® program to children entering kindergarten through sixth grade. This exciting summer adventure provides lessons that explore connections between science, technology, engineering and innovation. Two weeks of the Camp Invention program are available. Each session features different hands-on STEM experiences where children will use teamwork, creative thinking and problem-solving skills to invent unique solutions to real-world challenges. Week one begins on July 5th, 2021 and week two begins on July 12th, 2021. https://www.invent.org/educators/camp-invention

- <u>www.facebook.com/CampInvention</u>
- www.twitter.com/campinvention
- www.pinterest.com/campinvention
- www.youtube.com/NationalInventors HallofFame_NIHF

Week One — 7/5/2021 - 7/9/2021 Recharge

Recharge is designed to refresh students' imaginations and renew their self-confidence. Hands-on challenges spark creative problem solving, build familiarity with key STEM concepts and guide students to see that their ideas have value and their innovative efforts can change the world.

https://invent-web.ungerboeck.com/programsearch/moreinfo.aspx?event=32156

Week Two — 7/12/2021 - 7/16/2021 Elevate

Imaginations soar as children learn about flight with the help of their very own flight simulation robot, discover ways to protect Earth's ecosystems, sketch and build prototypes while protecting their intellectual property, and design the ultimate sports complex with inspiration from the real-world inventors behind their favorite sports! https://invent-web.ungerboeck.com/programsearch/moreinfo.aspx?event=32163

Discover all the fun you'll have at camp: <u>https://youtu.be/aX4r8bQSsJA</u>.

Use promo code SUM40 by 3/31 when you register to save \$40.

Parents who would like to register for both weeks of Camp Invention can save \$60 off their second week registration. Once they complete their first registration, a confirmation email will be sent including a unique URL. They will need to register for the second week using the unique URL, and a promo code for \$60 off will automatically be applied to their next registration.

www.facebook.com/campinvention www.twitter.com/campinvention www.pinterest.com/campinvention www.youtube.com/NationalInventors HallofFame_NIHF

Calling all students entering grades 7-9!!!

Want to be a part of STEM camp, but disappointed that it is for campers up to 6th grade? Would you like to earn volunteer hours/experience at SJA's STEM Camp (July 5-9, 2021 and/or July 12-16, 2021 from 9am-3:30pm)? You will build leadership skills and gain mentorship experience as you help the instructors lead a week of creativity! The cost for the week is \$135. If you are interested, register here: https://www.invent.org/programs/leaders-in-training

STEM at Home

GLOBE Observer

Click <u>here</u> for activities that don't require special equipment and use materials that can be found at home. These work well with families or groups of different ages and multiple generations. Explore, play, and build curiosity together about science and the environment!

Engineering Activities from Hopkins

Go here to find activities to do at home.

HCPL

Virtual book reading:

Ocean <u>The Pout-Pout Fish</u> by Deborah Diesen. Pictures by Dan Hanna.
Published by Farrar, Straus and Giroux. Read with permission from Macmillan.
Snowmen <u>I Wish It Would Snow!</u> by Sarah Dillard. Published by Aladdin Books and read with permission from Simon and Schuster.

Emily's Wonder Lab

Netflix has an educational streaming television series starring Mason Wells, Sky Alexis, Zaela Rae, Kennedi Butler and Makenzie Lee-Foster, with Emily Calandrelli as host. (Mrs. Dandino's son worked on it!) There is currently one season with 10 episodes.

Each 11-14 minute episode has a theme, and Calandrelli leads a group of six kids in an experiment. She asks the kids questions to make them look at things differently, allowing them to draw their own hypotheses and conclusions. It's clear that everyone is having a blast, which makes it even more fun to watch.

Emily Calandrelli is an MIT-engineer who also works with NASA. Additionally, she's a featured correspondent on Bill Nye Saves the World and executive producer and host of FOX's <u>Xploration</u> <u>Outer Space</u>. She's been nominated for three EMMY Awards! She's also active on social media — you can find her sharing videos and experiments on YouTube, TikTok and Instagram! If that's not enough, she's given <u>three TED Talks</u>.

Engineering Activities from Hopkins

Go here to find activities to do at home.

Coding Camp for Girls



MSU Coding Camp aims to introduce young girls (5th-12th grade) to the tech field and establish an interest in programming through a wide range of creative activities and lesson plans. Our activities and offerings are fun, challenging, and accepting of everyone's individual abilities. Above all, we are committed to ensuring that our students complete our camps equipped with the skills necessary to secure one of the 1.4 million computing jobs expected to be available in the US by 2030 Anyone who takes part in our incredible lessons will come home with new knowledge and skills that can be applied to complete personal projects and assist them in future coding classes. From traditional activities to something a little different, we guarantee a fun and exhilarating time for all participants Like everything we offer at MSU Coding Camp, our career exposure initiative encourages participants to get out of their comfort zones and embrace new career paths through a series of guest speakers, intern panels, pitch workshops and other professional development trainings.

Spring 2021 Java Coding Camp Feb 13, 9:00 AM – Apr 03, 1:00 PM on Zoom Register here.

Free Webinars for Students and Their Families

Twig Education is excited to present a series of free student-centered field trip webinars and family nights to entertain, inform, and inspire. Each session will be based on content from the free topical science resource <u>Twig Science Reporter</u>, with quizzes and prizes for the top players. Register <u>here</u>.

Here is the full lineup of field trips and family nights. Field trips and family nights for each week are the same sessions, just at different times.

- Robot Spiders on the Moon... and More Tues, Feb 2—Field Trip 12 pm, Family Night 7:30 pm Thurs, Feb 4—Field Trip 2 pm, Family Night 9:30 pm
- How Do You Track Polar Bears... and More Tues, Feb 9—Field Trip 12 pm, Family Night 7:30 pm Thurs, Feb 11—Field Trip 2 pm, Family Night 9:30 pm
- Recycling Plastic from Tires... and More Tues, Feb 16—Field Trip 12 pm, Family Night 7:30 pm Thurs, Feb 18—Field Trip 2 pm, Family Night 9:30 pm
- The Rats Detecting Landmines... and More Tues, Feb 23—Field Trip 12 pm, Family Night 7:30 pm Thurs, Feb 25—Field Trip 2 pm, Family Night 9:30 pm

You Can Help

TREX Competition

We have entered the contest again and are hoping to collect even more. If we collect the most in our division, we will get a Trex bench! Please see the below poster to know what to send in to our school to be recycled. We have boxes on each floor. Students can bring in the plastic from their household(and others they collect from) and deposit in the box at any time.



STEM Opportunities in the Community

Eden Mill Programs

The nature center and historic grist mill museum are open, by SCHEDULED APPOINTMENT ONLY, Monday- Friday from 8:30-4.

The park grounds are open, but social distancing must be maintained.

All Eden Mill Nature Committee programs have been canceled for 2020 due to the Covid-19 pandemic. Check out our Facebook page for fun nature-themed activities you can do at home!

Joint Science and Technology Institute (JSTI) summer programs

For high school students, JSTI is a two-week research experience. The middle school JSTI program lasts one-week. The goal of JSTI is to provide students and teachers with an opportunity to engage in hands-on activities, team building, and research projects mentored by professional researchers while also gaining exposure to various STEM careers.

There are JSTI opportunities in two locations: New Mexico (JSTI West) and Maryland (JSTI East). Eligibility for each program is different. Please visit <u>https://orise.orau.gov/jstieast/</u> and <u>https://orise.orau.gov/jstiwest/</u> to see all eligibility criteria.To apply to a 2021 JSTI summer program, please visit the links below:

JSTI West- July 10-23, 2021, for high school students from across the United States.*

Link for high school students: <u>https://www.zintellect.com/Opportunity/Details/JSTI-West-HS-2021</u> <u>JSTI East-</u>, July 17-30, 2021, for high school students and teachers from across the United States and DoDEA schools overseas.*

Link for high school students: <u>https://www.zintellect.com/Opportunity/Details/JSTI-East-HS-2021</u> <u>JSTI East - MS -</u>, July 24-30, 2021, for middle school students from across the United States.* Link for middle school students:

https://www.zintellect.com/Opportunity/Details/JSTI-East-MS-2021

Applications close March 22, 2021

The health and safety of our participants and staff are our highest priority. We are closely monitoring the pandemic and will communicate any changes on the websites as they are made. Appropriate precautions will be taken during the program to ensure the safety of all JSTI participants.

Questions regarding **JSTI East, please contact us at JSTIEast@orau.org.

Questions regarding **JSTI West, please contact us at JSTIWest@orau.org.

For High School Students

Internship available at SJA's Summer STEM Camp

Leadership Interns will work closely with SJA instructors and Camp Invention® and Invention Project® participants to help them explore STEM concepts and become creative thinkers who can invent a better tomorrow. (SJA's STEM Camp will run July 5th - July 9th and July 12th- July 16th from 8am-5pm.) You will get at least 45 volunteer hours for each week (you may do one or both weeks). If interested, you can apply here: https://www.invent.org/programs/leadership-intern

Biomedical Engineering Innovation (BMEI)

is a fully online course with hands-on labs that introduces biomedical engineering to high school students by (1) modeling biological systems and designing experiments to test those models and (2) introducing engineering principles to solve design problems that are biological, physiological, and/or medical. Students will model human efficiency, the arm, and the cardiovascular system. Students are expected to use the informational content being taught in math, physics and biology and to apply this knowledge to the solution of practical problems encountered in biomedical engineering. Course number: EN.500.130

Summer 2021 TBD

The <u>application</u> for Spring 2021 will open in mid-October. Click <u>HERE</u> or contact BMEI for more information.

Registration is now open for our High School Girls Only STEM Night and Astronaut Convocation on March 4! This is a virtual event. Sign up today on our website: www.usna.edu/STEM



Calculus Videos

Ozkan Ozer, assistant professor of mathematics at Western Kentucky University in Bowling Green, Kentucky, offers short calculus and differential equations videos on his <u>YouTube site</u>, <u>Instagram</u> <u>account</u>, and <u>web page</u>. In his videos, he solves examples using demonstrations, covering such topics as finding the volume of a solid, sketching lines in the plane, and finding the acceleration. His goals for the videos are to help students see the fun side of calculus, to supplement calculus courses, and to encourage calculus students not to give up before they complete all of their calculus courses.

Hopkins Engineering Innovation

Designed with the intellectually curious student in mind, <u>Johns Hopkins Engineering</u> <u>Innovation's</u> online summer courses allow curiosity to flourish through imaginative, hands-STEM-based activities. Offered virtually this summer, <u>Explore Engineering Innovation</u> is designed by trusted scientists and engineers from Johns Hopkins University, so you can be sure the academic rigor and ingenuity runs deep throughout the course. Participants build spaghetti bridge, program a microcontroller, pitch an imaginary product or service, and mo What's learning without engaging fun? The course is packed with that, too. And students h the opportunity to earn college credit.

Registration is now open for summer 2021.

Smart Scholarship Program

The Science, Mathematics, and Research for Transformation (SMART) Scholarship-for-Service Program is funded by the Department of Defense (DoD). It is a combined educational and workforce development opportunity for bachelors, masters, and Ph.D. students to gain technical skills in critical STEM fields and support the national security mission of DoD.

Mission: The SMART Program provides a combined education and career opportunity to students pursuing STEM degrees that will enhance the Department of Defense (DoD) civilian workforce. Vision: The SMART Program creates a highly skilled Department of Defense (DoD) STEM workforce that competes with the dynamic trends in technology and innovation to protect national security. The SMART Program provides STEM students with the tools needed to pursue higher education and begin a career with the DoD. With a full scholarship, students pursuing science, technology, engineering and mathematics (STEM) degrees will be able to focus on complex research to further the DoD's mission and create lasting impact. SMART is a one-for-one commitment; for every year of degree funding, the scholar commits to working for a year with the DoD as a civilian employee. Summer internships prepare scholars for full-time employment and get them accustomed to working with the DoD.

SMART offers a large package of benefits to qualified candidates:

- Full tuition and education related educational expenses (meal plans, housing, and parking not included)
- Stipend paid at a rate of \$25,000 \$38,000 a year depending on degree level (may be prorated depending on award length)
- Summer internships ranging from 8 to 12 weeks
- Health Insurance allowance of up to \$1,200 per academic year
- Miscellaneous allowance of up to \$1,000 per academic year
- An experienced mentor at one of the Sponsoring Facilities
- Employment placement at a DoD facility upon degree completion.

For more information, click here.

Summer Pre-College Program Fairs

The Association for Pre-College Program Directors is proud to present the 2021 Summer Pre-College Program Fairs, a series of virtual events that provide students and their families the opportunity to learn about academic summer programs at top US college and universities.Representatives from <u>Johns Hopkins Engineering</u> (Explore Engineering Innovation and Biomedical Engineering Innovation) will be at the fairs on:

- February 20
- March 3

At each fair, attendees may:

- Visit virtual booths, where you can ask questions via text or video chat with summer program representatives.
- View helpful webinars on how to choose a summer program, how to strengthen your application, how to make the most out of your summer program experience.

Registration is FREE to attendees. We invite you to visit the Virtual Fairs website at https://www.summerstudyintheusa.org/virtualstudentfairs for complete information on dates, times, and which institutions will be represented at each event. We also encourage you to visit SummerStudyintheUSA.org, where you can search participating programs by your grade level, academic interests, and more.

The first Virtual Fair will be held on January 9th, 2021, from 11:00 am to 1:00 pm Eastern time.

Registration for the January 9 fair is open on the Virtual Fairs website.

Questions about the event can be submitted to PCPDVirtualFairsInfo@gmail.com.

Education is our passport to the future, for tomorrow belongs to the people who prepare for it today. – Malcolm X



INK

LEARN MORE **INVENT.ORG/CAMP**



A NONPROFIT PROGRAM OF THE NATIONAL INVENTORS HALL OF FAME®



PROVIDING FUN AND SAFE SUMMERS FOR **more than 30 years**

At **Camp Invention**[®], we have always found the right ways to bring hands-on STEM activities to children across America. Double up this summer with two weeks of programming for your inventor. Double the confidence, double the STEM, **double the FUN!**

WEEK 1: The **recharge** program

Young innovators will:

- Design morphing vehicles using inspiration in nature.
- Experiment with physics concepts as they build and test a rubber duck launcher.
- Build their own solar-powered robot crickets, customized habitats and protective gear.
- Reverse engineer their own wireless microphone, discover sound waves and pitch their big ideas.

WEEK 2: The elevate program

Young innovators will:

- Build a cityscape, navigate planes and take apart a robot.
- Learn the value of their creativity as they build prototypes, design logos and market their inventions.
- Collaborate to protect Earth's ecosystems, compete in zipline races and explore energy conservation.
- Discover the great inventors behind sports and design the ultimate sports complex.

TWO WEEKS OF TAKE-HOME FUN! Sign up for both weeks to get all these awesome take-home items to keep

to get all these awesome take-home items to keep the fun and learning going long after camp ends.

Camp Your Way - In Person or At Home

Want to sign up and save today, but not sure if you'll want an in-person or at-home experience this summer? No worries - with our new **PEACE OF MIND PROMISE**, you can sign up and **SAVE** today and finalize your experience format six weeks before your camp date!

Register at INVENT.ORG/CAMP or 800-968-4332.

Save \$40 with promo code RECHARGE40 for one week. Then use the exclusive registration URL in your week one confirmation email to **save an additional \$60** on week two!

Location: St. Joan of Arc School - Week 1 - Recharge 230 S Law St, Aberdeen, MD 21001 Date: July 5 - 9, 2021

Time & Cost: 9:00 AM to 3:30 PM | \$235 (before discount)

Camp Director: Tracey Tokarski | ttokarski@stjoanarc.org

Extended Day Hours Available: 8:00 AM to 5:00 PM | Additional \$80

Location: St. Joan of Arc School - Week 2 - Elevate 230 S Law St, Aberdeen, MD 21001

Date: July 12 - 16, 2021

Time & Cost: 9:00 AM to 3:30 PM | \$235 (before discount) Extended Day Hours Available: 8:00 AM to 5:00 PM | Additional \$80 Camp Director: Tracey Tokarski | ttokarski@stjoanarc.org

We are excited to offer two weeks of Camp Invention this summer, so be sure to sign your student up to attend both programs to maximize the fun!

We are also offering an Extended Day experience, making our program schedule more convenient for busy families. With Extended Day, your program will run from 8:00 AM to 5:00 PM with an additional cost of \$80 per week. To sign up for this program schedule, please select the Extended Day option during the second step of registration.





Investors in Creativity and Invention

AbbVie Foundation Army Educational Outreach Program Burton D. Morgan Foundation Nordson Corporation Foundation Overdeck Family Foundation ShurTech Brands, LLC

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SAVE \$40 OFF YOUR FIRST WEEK AND \$60 OFF YOUR SECOND.