

WE'VE GOT

Art on the Move Bots Green Screen 3D Printer
Physics of Sound and Music Art and Technology
Student Work Engineering Bridges Geoboard
Math Manipulatives Coding, Bee Bots
The Force Sphere Robots Obstacle
Course Exploration Race with Merge
Cubes & Kahoot! Presentation Breakout!



What is the STEAM Fair?

An exploratorium of science, technology, engineering, art and math.
Join your child/ren in a self-guided school tour to view student work
& explore STEAM activities together!

Thursday, May 23, 2019
6:30 – 8pm
St. James School
Parish Center & Classrooms

Join us for a Special Skype Presentation at 7:30pm
Tom Enright, St. James School Alumni '91
Entrepreneur & CEO of GoodBulb
<https://goodbulb.com/our-story>

See next pages for more programs details!



SAINT JAMES SCHOOL
ARLINGTON HEIGHTS

WE'VE GOT



STEAM

science • technology • engineering • art • math

GRADE	PROJECT	STEAM ACTIVITY DESCRIPTION
PreK 110 & 114	Gorilla Hands, Flowers, Outer Space Art and Our Favorite Things about PreK	Calling all engineers! Bring your problem solving skills and creativity to construct the tallest tower using a variety of building tools. Test your prediction and investigation skills to determine which objects are heavier or lighter.
K 106	Butterfly Facts	Do you like building with Duplo Legos? Come join Kindergarten as we build bridges!
1 102	Animal Books and Plant Booklets	Do you like to make designs? Come on down to First Grade to make designs and patterns using iPads, geo boards and pattern blocks! We have some fun STEM challenges for you to try. We can't wait to see all the creativity!
2 126	Animal Research Projects Animal Habitat Dioramas	Check out the new interactive SMARTboards! Students will be demonstrating their coding skills through Code.org. Students will explain the coding process as they complete a "bug free" program. In addition, students will code our "bee-bots" as they pollenate flowers in a garden before returning to their bee-hive. You won't want to miss the fun and excitement in 2nd grade!
3 125	Fiction Author Study, Digital State Research Project and Digital Poetry Books	Calling all Jedis in training! Join us for our "STEM Wars" challenge in which students will need to use "The Force" to roll a pop can across the room.
4 121	Midwest Project and Cereal Box Project	Come on down to fourth grade for a hands on experience with our Sphero Robot obstacle course! Sphero is our new, sphere shaped, waterproof, programmable robot with endless possibilities! Come and learn about some of the exciting activities that the fourth graders have been doing with Sphero Balls!
5 204	Water Desalinization and Filtration Experiment	Are YOU smarter than a Fifth Grader? Give Kahoot! a whirl and see just how much you remember about Fifth Grade Science. Then, experience the awesomeness that is augmented reality by seeing how fifth graders enhanced their learning experience by using the Merge Cube to see the Solar System on their desk tops!
6		See Invention Convention in Parish Center
7 & 8 208	8th Grade Science: Mousetrap Car Project 7th Grade Science: Cell Analogy Project	Ever try an escape room activity? Come participate in a classroom version of this type of activity we use here at St.James. In this activity, students and parents will try to solve the clues to solve the mystery presented within a given time period.

GET YOURS!

FOR ALL TO SEE!

6:30 – 7:30

Art Projects

Parish Center

Don't miss the wonderful works of art created by students in grades 3 through 8 using a variety of materials, such as colored pencils, paint, and oil pastels! You will also find books written and illustrated, linoleum prints, and sculptures made of paper, cardboard, wire and sticks!

The 6th Grade Invention Convention

Parish Center

The Invention Convention is designed to have students: think critically by identifying problems in their world, evaluate the impact of inventions in their lives, apply STEM, invention and entrepreneurial skills building real-world solutions, challenge the workforce of tomorrow to unlock real-world skills for identifying problems, sharing solutions and implementing ideas.

Robots

Parish Center

Take a test drive with our new Sphero robots! Sphero is a sphere shaped, waterproof, programmable robot with endless possibilities! Engage in a battle bot showdown with your child or drive Sphero through wet paint to help create a unique STEAM fair mural! You and your child can also try a mini-marble version of Sphero by creating marble art. Stop at the marble art station in the PC for a special take-home project.

Music

Parish Center

The hills are alive with the Physics of the Sound of Music! All vibration is sound; sound waves are integral to performing on instruments and the sound waves travel so that you can hear their great music! Listen and try our homemade instruments - water jugs, washboards, and more!

Green Screen

Parish Center

Grab the family for a one-of-a-kind Green Screen photo op! Fly like a superhero, sit on Saturn's rings, or just take a fun STEAM fair group shot and share with friends!

Technology & Projects

Parish Center

From Google Slides to poetry to Green Screens and digital footprints, the SJS 3rd through 8th graders want to share with you the wonders of technology and all it can offer!

3D Printing

Gathering Space

Have you seen our new 3D Printer? Students in STEM club and 8th grade math have "tinkered" with a web based 3D drawing program, Tinkerkad, and watched their designs come to life!

TAKE A SEAT!

7:30

Skype with

Tom Enright
SJS 1991 Graduate
Parish Center

What is the future of a Saint James School Graduate? Full of promise, potential, faith, hope and love. Join us as we connect via Skype with Class of 1991 graduate, Tom Enright, founder and CEO of GoodBulb to hear how elements of STEAM are involved in his lightbulb business and the passion he has for his social justice project.

Thank you for attending the STEAM Fair!

Please take a 2 minute online survey to give feedback:

<http://bit.do/sjssteam>

QR Code:



<http://bit.do/sjssteam>



summer

Have fun & learn this summer!



Current Kindergarteners & 1st graders

Wk 1: June 17, 18, 19 (M, Tu, W)

Wk 2: June 24, 25, 26 (M, Tu, W)

Wk 3: July 1 & 2 (M & Tu)

9 – 11am

cost: \$200

Contact Ms. Lollino or Ms. Tambling
for more info:

alollino@stjameschoolah.org

ltambling@stjameschoolah.org

Incoming 5th - 8th graders

Tuesday and Thursdays

June 18 – July 11

(no class July 4)

10am - noon

cost: \$150

25 students max

Contact Mrs. Long for more info:

nlong@stjameschoolah.org

