STREAM Science, Technology, Religion
Engineering, Art, Mathematics

Dear Parents,

Welcome to a new school year & our next STREAM Academy sessions. It's time to register your child for a fun way to design, build, grow, and learn!

Sessions will take place after school from 2:20 to 3:30 on the following dates:
Feb. 8, 15, March 1, 8, 14, 22, 28, April 5. Please note that these are all Wednesdays except for two Tuesdays. Parents will be notified if a teacher needs to change a particular date or cancel a class due to absence or illness. Students will be able to showcase their STREAM projects & creations on the April 5th session here at our school. Families will be invited to attend.

Students will be allowed to sign up for any academy based on their grade level but please know that space is limited. We will do our best to accommodate all students who register so please be mindful of the above due date. There is a $20 fee for each child.

You will be notified if the academy you signed your child up for is full. In these cases, preferential registration will be given to your child should you decide to register him/her for a session next fall.

The following list contains upcoming sessions and academy descriptions.

Teacher	Academy	Grade(s) eligible
Ms. Stainsby & Mrs. Wojtaszek	Sprouts (includes both Building Challenges & Mad Scientist)	PreK 4 K
Mrs. Sykes	LEGO	1st 2nd
Ms. Fanara	Mad Scientist	1st 2nd
Mrs. Sortino	Invention Convention	3rd 4th 5th
Mrs. Biggie	Kitchen Chemistry	3rd 4th 5th
Mrs. Giannantonio	LEGO	4th 5th 6th
Mr. Johnson	Future Cities	6th 7th 8th

Our teachers work hard to make this a wonderful and memorable experience for all. If you have any questions or need additional information, please feel free to contact me. We look forward to another session of fun filled activities.

Sincerely,
Maria Augustine
maria.augustine@standrewscds.net
STREAM Coordinator - Room 109

Program Descriptions – _{Programs listed below may be available in the Fall **or** Spring}

SPROUTS: Early Primary engineering program designed to give young students an introduction to PEAP. It runs along a similar theme to PEAP, but does not require the dexterity of PEAP. This intro to the world of inquiry science gives students the building blocks to learn how to observe their world, ask questions, and solve problems.

LEGO: Ready, set, build. Let your imagination run wild while designing and building with a purpose. This STREAM academy provides an engaging, playful learning experience for our youngest learners. Students work cooperatively to design, build, & test engineering principles while having buckets of FUN!

PEAP: Primary Engineering Adventure Program This course adapts the engineering design process to meet the needs of Bible stories or our favorite fairy tale characters. These familiar and timeless stories encourage students to begin problem solving, generate design proposals, collaborate, and make connections to the enchantment of engineering.

Mad Scientist- A hands-on approach and focus on science and engineering practices teaches kids about the fun of science and helps to spark their imaginations!

Arcade Academy: Based on "Caine's Arcade" which has been widely cited as one of the most inspirational short films in recent history. This course invites students to design and build fun and engaging arcade games made from cardboard, recycled materials and imagination.

Invention Convention: Participants are encouraged to identify a need or to solve a problem by following the same procedures that an inventor would follow! Students are trained in creative thinking skills to invent a product or process that would fill a need or overcome a problem.

Kitchen Chemistry: Chemistry, biology, and simple life science exploration will be emphasized throughout this course. Join all the learning and fun of hands-on kitchen science, as students engage in mini "CHOPPED" competitions and explore the creative aspect of food preparation!

Science Scrimmage: This program led a revolution in science education. It is a science competition providing rigorous, standards-based challenges.

Rockin' Roller Coasters: Students will research the history of roller coasters, the physics that they employ, test run computer generated coasters, and ultimately build their own marble roller coaster that work!

Coding Craze: Introduces students to the Language of Computer Science where they write computer programs learning repeat-loops, conditionals, and basic algorithms while moving through various levels of programs.

Robotics: The Robotics Design Course offers students an exciting platform for learning about areas rich with career opportunities spanning science, technology, engineering and math (STEM). This course encourages teamwork, leadership, and problem solving among student design teams.

Future Cities: A project -based learning experience where students imagine, design & build cities of the future. Working as a team, students are asked to utilize the engineering design process- identify problems, brainstorm ideas, design solutions, test, and retest- to build a tabletop scale model of a city.

Student Permission Slip- **Due on or before Friday, February 3rd**

STREAM Teacher's Name _____

Name of STREAM Academy_____

For your convenience and student safety, teachers will walk their students out of the building. Pre K & Kindergarten students will be dismissed from the bus loop door #12 on Sheridan side of the building. Students in Grades 1-8 will exit through the door near Mrs. P.'s office. Parents are asked to pick up their child/children promptly at 3:30. Students that are not picked up on time will be sent to our after school program and parents may be subject to any fees. Please notify your child's STREAM teacher if someone other than yourself will be picking up your child. Please complete this slip for each child that you are registering.

I give my permission for

(Please print)_____in _____ Grade to participate in the

Student Name

above STREAM Academy.

Parent Signature _____Date_____

Parent contact telephone number:_____

Email address: _____

I _____ understand that my FACTS account will be charged

(Parent name)

$20.00 on or after February 8, 2017.

_____   _____

Parent/Guardian Signature   Telephone Number