



STREAM CLUB

Faculty Sponsor: Ms. Marczyk

Dear Parents,

I'm excited to start a STREAM (also known as STEM) club here at PJP2A, geared toward students in grades 5-8.

STREAM club encourages students to expand their problem solving and critical thinking skills through hands-on activities that are both fun and challenging. STREAM stands for Science, Technology, Religion, Engineering, Arts and Mathematics and we will be using these concepts as we explore a variety of projects.

STREAM club will meet on Mondays, from 3:15-4:30pm, every other week. A list of activities and the weekly projects are below. Students do not need to attend each week, but I ask that you fill out the bottom portion and return to me with dates you are interested in so that we have enough building materials by **Wednesday, September 18, 2019**. We will learn about the engineering design process through the projects listed below before Christmas and will aim to end the year learning about robotics.

If you would like to get involved, please let me know. We can always use a parent or two to help with projects.

I am VERY excited about this club and working with your students as they become better critical thinkers and learn about the world of engineering. If you have any questions or concerns, please contact me at jmarczyk@pjp2a.org.

Best,

Ms. Joanna Marczyk

Please Sign and Return
Due: Wednesday, September 18, 2019

I give permission for my son/daughter, _____, to participate in the STREAM Club at PJP2A. I understand that meetings will be Mondays after school until 4:30.

Parent name (please print): _____

Parent signature: _____ Date: _____

Date	Activity	Participation (check if interested in attending)
September 23	Candy Land Learn about the engineering design process to create a device that can be used without humans to a candy factory to evenly weigh bags	
October 7	Car Crash Challenge Learn about the physics of a car crash and design your own model to protect an egg	
October 21	Land Yachts Ahoy! Develop a model to quickly and safely move items back and forth between two houses	
November 4	Extraterrestrial Gardening Use your knowledge of photosynthesis to design a way to grow plants in a space substation on Mars	
November 18	Shake It Up! Design and construct a building prototype that will remain intact during a simulated earthquake	
December 2	Smooth as Ice	

	Create smooth fudge that has small sized crystals that are not visible to the naked eye	
December 16	Engineer That! Build a Rube Goldberg Machine that moves a load across a distance without causing harm	