



St. Martin's Catholic School Annual STEM Night
 Join us for our Family STEM Night on Wednesday, April 18 from 7-8:15 pm. Come discover the fun of science, technology, engineering, and math through hands-on activities. Enjoy displays of science-inquiry projects conducted by each class. Family members of all ages welcome. A parent must accompany children. Please bring a donation for the St. Martin's Food Pantry.



St. Martin's Catholic School's
STEM Night
 Wednesday, April 18, 7-8:15
 Learn, explore, discover, and create

Join us for our Family STEM Night and discover the fun of science, technology, engineering, and math through hands-on activities for the whole family

Enjoy displays of science-inquiry projects conducted by each class
 (See reverse side for some of our STEM Night activities)

Pizza & Bake Sale by 8th grade families

Family members of all ages welcome—Children must be accompanied by a parent


*Please bring a donation for the St. Martin's Food Pantry
 Financial support is provided by the City of Gaithersburg*

Please respond by Friday, April 13

Family Name _____ Gaithersburg Resident? Y or N

Children Attending _____ Grade _____





St. Martin's Catholic School's
STEM Night
 Some of the Family Activities

Class Displays	See what St. Martin's students are exploring in their science classes
Parent Displays	Several parents and grandparents will share their work and interest in STEM with an activity in their field
Straw Rockets	Using your breath, launch a straw rocket
Robotics with Holy Cross	The Academy of the Holy Cross Robotics Team demonstrates their robot
Xpandin' Foam	Small amounts of chemicals create an overflowing cup of foam
Build a Better Plane	Alum Freddy Stampfer shows how aerodynamics improves your paper plane
Race Cars & Drag	Make a mini-1/16 scale race car and time the effect of drag
Geodes	Break open geodes and see the crystal structure inside
Hierbert's Fizzy Sherbert	A baking soda and citrus acid reaction which is edible when you're done
Harmonics with Mr. McMichael	Investigate the harmonics of musical instruments
Ooho: Edible Rain Drops	Create edible balls that hold a liquid within
Build a Boat	Design, construct, and test a boat to hold the greatest number of coins
Math Challenges	Using math games and puzzles, challenge your problem-solving muscles
TACS Names	Make a necklace or bracelet with your name in ASCII binary code
Colleen and Ian's Creamery: A STEM Night Pop-up	Make your own ice cream with sassy technology, topping bar included
Catapult Chaos	Design a catapult and see if you can launch a marshmallow the farthest
R's Hair-Raising	Experience the effect of static electricity on your hair
Grabbing Your Attention	Hydraulic robot arm powered by syringes
Paper Circuits	Design a circuit on paper and light the LED
Palindromes	How can you create a mathematical palindrome?
Look Inside a Rock	Use our new microscopes to look what a rock is made of
Elephant Toothpaste	It's not really used for elephant teeth, but it's an amazing chemical reaction
Optical Illusions	You don't always see things the way they are. Learn how to draw an illusion
3-d Printing	See the school's 3-d printer in action and the models made by 8 th grade
Guess the STEM-ist	Can you guess the scientist, technologist, engineer, mathematician, inventor, or explorer—watch the 6 th grade Aurasma videos to see if you are correct

Club SciGdz Display
 Pizza & Bake Sale by Eighth Grade Families
Financial support provided by the City of Gaithersburg
 (See reverse side for STEM Night registration)

