

Da Vinci Society (Grades 3 - 5)

Monday, 3:00 – 4:00 pm (begins 10 January)

Like to build? Think like an engineer? Then the Da Vinci Society is for you. The Society is an engineering forum designed to let you explore different types of engineering while building and testing different models and structures. Whether is structures and bridges or things that fly, impact collisions or catapults, we examine these phenomena and figure out how things work. This is a hands-on society where everyone helps to create and test each of our wonders.

Cost: \$150.00 (20 Student Limit)

Junior Soarers Club (Grades K-2)

Tuesdays, 3:00 – 4:00 pm (begins 11 January)

Join the Soarers and spread your wings! This club follows a STEM curriculum. Students will work individually and in small groups as scientists and engineers to examine and solve real-world problems using an inter-disciplinary STEM approach. Although the club agenda is tied to the school curriculum, we will investigate different phenomenon and solve different problems while learning about science, technology and engineering. You don't know how much you can really do until you try, so come find your wings

Cost: \$150.00 (25 Student Limit)

Explorers Club (Grades K-2)

Wednesday, 3:00 – 4:00 pm (begins 12 January)

Join us for a fantastic voyage through the world of science. This club is a hands-on introduction to using the scientific method to investigate and solve problems. Topics of investigation will include introduction to life and environmental sciences, basics of chemistry, beginning astronomy, simple machines and introductory physics. Club agenda is tied to science curriculum and will include age/grade appropriate mathematics and technology.

Cost: \$150.00 (25 Student Limit)

Robotics Club

Now Open to Grades 4 and 5!

Our program is built around the FIRST LEGO League challenge. FIRST LEGO League (FLL) is an exciting and fun international robotics program that ignites an enthusiasm for discovery, science, and technology in kids ages 9 to 14.

Each year FLL teams embark on an adventurous Challenge based on current, real-world issues. Guided by a team coach and assisted by mentors, the kids learn to build, test, and program an autonomous robot using LEGO MINDSTORMS® technology to solve a set of missions in the Robot Game. Throughout their experience, teams will operate under the *FIRST* LEGO League signature set of "Core Values" celebrating discovery, teamwork, and Gracious Professionalism®.

Fun Season Robotics (Grades 4-8)

Thursday, 3:00 – 4:00 pm (begins 14 January)

The theme for the Fun Season is the Green City Challenge. Green City is a beautiful and prosperous city, with many ideas for creating a perfect environment for families and businesses. Years of hard work have gone into developing the Green City's waste disposal system and sources of renewable energy to secure a sustainable future.

We will learn and use a real-world design methodology, build our robot and the necessary attachments and program them to investigate what makes a Green City and how they can help make the world greener.

This activity allows the students to learn, apply and adapt all their programming and problem-solving skills by making their robots solve challenges related to renewable energy.

So, come join our team and be prepared to work hard and have fun!

Cost: \$150.00 (20 Student Limit)

Winter Enrichment

Science, Technology, Engineering and Math (STEM) are going strong at Mary, Star of the Sea School as the Da Vinci Society, Jr. Soarers Club, Explorers Club, and Fun Season Robotics join the STEM Enrichment lineup!

All our programs are designed to provide our students with a balanced exposure to science, technology, engineering and mathematics. Combine this with interesting activities, a dash of fun and you have the Mary, Star of the Sea STEM Enrichment Programs!

Each program will run 7 + weeks during the quarter. Cost includes all supplies, as well as a healthy snack and a drink at the beginning of each session. Please be sure to tell the instructor if your child has any food allergies!

Registration will begin immediately. You just fill out the registration form on the other side and return it with payment to the School Office.

Make checks payable to:

Mary, Star of the Sea School

MARY, STAR OF THE SEA STEM ENRICHMENT

Questions:
Email: deachus@starofthesea.org

Additional information is available in the Innovations Lab for interested parents and students.