



Partnering to bring **Project Lead The Way** and other STEM Curriculum to our feeder schools



NEW STEM Program for the 2025-2026 School Year

St. Joseph School will be partnering with the Covington Catholic STEM Outreach Program to bring new STEM opportunities to girls and boys in 7th and 8th grade utilizing the Project Lead the Way curriculum.

What is it?

STEM courses offered twice a week in the STEAM Lab with a heavy focus on engineering. Classes are designed to help middle schoolers discover real-world applications, spark their creativity, and develop modern technical and critical thinking skills.

Who can enroll?

Both girls and boys in 7th and 8th grade can apply.

What does it cost?

The program is offered at **no cost** thanks to an anonymous donor whose goal is to encourage young students to pursue STEM education.

7th Grade - Design and Modeling

Students discover the design process and develop an understanding of the influence of creativity and innovation in their lives. They are then challenged and empowered to use and apply what they've learned throughout the unit to design a project that has real-world impact.

8th Grade - Automation and Robotics

Students are given the opportunity to combine mechanisms with input and output devices to automate the mechanisms. Construction and programming skills are layered, and projects and the problem provide students the opportunity to connect their learning throughout the lessons in the unit. Students will explore different aspects of automation and robotics, and experience how solving real-life problems involves the teamwork of mechanical engineers, software developers, and electrical engineers.