



Sister Thea Bowman Catholic School

8213 Church Lane, East St. Louis, Illinois 62203

Phone (618) 397-0316

www.stbcs.com

Part-Time K–8 STEM Robotics Teacher

Position Type: Part-Time (15–25 hours per week)

Reports To: Principal

About Sister Thea Bowman Catholic School

Sister Thea Bowman Catholic School is committed to forming scholars who excel academically, grow spiritually, and become servant leaders. Rooted in the Catholic faith, we provide a nurturing environment where students are challenged to discover their God-given talents through innovation, critical thinking, and service.

Position Summary

Sister Thea Bowman Catholic School seeks a dynamic, creative, and enthusiastic **Part-Time STEM Teacher** to inspire students in Kindergarten through Grade 8 through hands-on learning experiences in Science, Technology, Engineering, and Mathematics. The successful candidate will cultivate curiosity, creativity, collaboration, and problem-solving while integrating Catholic values into every aspect of instruction.

Salary and Benefits

- Salary - \$18,000 - \$20,000. Salary offered will be commensurate with experience.
- Part-Time Benefits:
 - May be eligible for personal days and sick leave per Diocese of Belleville Board of Education Policies and Regulations and applicable Illinois and federal law.
 - As defined by the Illinois Employee Sick Leave Act, sick leave is granted for personal illness and serious illness in the family.
 - As a part-time employee working less than 30 hours per week, not eligible for term life insurance/accidental death & dismemberment coverage, medical coverage, or ancillary products.
 - You may be eligible for retirement benefits if your eligibility requirements are met.

Essential Responsibilities

- Plan and deliver engaging STEM lessons for students in Kindergarten through 8th grade.
- Develop inquiry-based, project-based, and hands-on learning experiences aligned with Illinois Learning Standards.

- Teach introductory coding, robotics, engineering design, computer science, and digital citizenship.
- Foster critical thinking, creativity, collaboration, and innovation.
- Integrate STEM concepts across other academic disciplines.
- Organize and supervise STEM challenges, robotics activities, coding clubs, science fairs, and innovation showcases.
- Utilize educational technology including Google Workspace, coding platforms, robotics kits, and other STEM resources.
- Differentiate instruction to meet the needs of diverse learners.
- Assess student progress and communicate regularly with parents and school administration.
- Maintain a safe, organized, and engaging STEM classroom and makerspace.
- Collaborate with faculty to support interdisciplinary learning opportunities.
- Model Catholic values and contribute positively to the faith life of the school community.

Qualifications

- Bachelor's degree in Education, STEM, Engineering, Computer Science, Technology, Science, Mathematics, or a related field (teaching certification preferred).
- Experience teaching STEM, robotics, coding, engineering, computer science, or project-based learning is preferred.
- Strong classroom management and communication skills.
- Ability to motivate students through engaging, hands-on instruction.
- Familiarity with Google Classroom and educational technology.
- Commitment to the mission and values of Catholic education.

Preferred Skills

- Experience with LEGO Education, VEX Robotics, Ozobots, Sphero, or similar robotics platforms.
- Knowledge of Scratch, Python, or block-based coding.
- Experience with 3D printing, makerspaces, drones, or engineering challenges.
- Grant writing or STEM program development experience is a plus.

Physical Requirements

- Ability to lift up to 25 pounds.
- Ability to stand, walk, and actively supervise students throughout the instructional day.

Why Join Sister Thea Bowman Catholic School?

- Inspire the next generation of innovators and servant leaders.
- Help build a growing STEM program in East St. Louis.
- Work in a collaborative, faith-filled school community.
- Make a lasting impact on students through innovative, hands-on learning experiences.
- Participate in our benefits - 403(b) retirement plan.

Interested candidates should submit a resume, cover letter, and references to the Principal
– email: principal@srthea.org

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This description reflects best practices used by Catholic schools hiring STEM educators, emphasizing hands-on instruction, project-based learning, technology integration, and Catholic mission alignment.