



|| COMPUTER SCIENCE INSTRUCTOR ||
Robotics Coach & Maker Space/Engineering Lab Facilitator

St. Teresa's Academy
2021-2022 Academic Year – Second Semester

The Academy is seeking a part-time Computer Science instructor to work with the Principal for Academic Affairs, Director of STEAM Projects & Education and STA colleagues. This educator will support and integrate the values of St. Teresa's Academy and the Sisters of St. Joseph of Carondelet into the daily work and curriculum, igniting a passion for computer science, rigor, and excellence.

St. Teresa's is a Catholic, college preparatory high school committed to excellence in the education of young women, the Academy offers a rigorous academic curriculum combined with the latest technology, competitive athletic teams, award-winning fine arts programs, and a wide variety of extracurricular opportunities. St. Teresa's Academy educates young women to think critically, encourages them through Catholic values to love the dear neighbor without distinction, and empowers them to change the world.

RESPONSIBILITIES

- The duties of a Computer Science teacher include creating lesson plans, preparing classroom activities, organizing teaching materials, evaluating student performance, maintaining classroom records, meeting with parents, teachers, and other professionals, and participating in campus events
- Teach required courses and electives which may include Computer Science Discoveries, AP Computer Science Principles and Robotics
- Facilitate use of the Maker Space/Engineering Lab in collaboration with teachers and the Director of STEAM Projects & Education
- Coach the STARbots Robotics /First Tech Challenge Team
- Offer summer STEAM camps for students and professional development for faculty/staff
- May include honors, college dual credit courses and/or advanced placement courses pending certification
- Serve as a member of the faculty, attend departmental meetings, develop, and update course curricula, purchase supplies within a budget, collaboratively plan experiential learning opportunities and review textbooks
- Support the school's mission and the mission of the Sisters of St. Joseph of Carondelet

REQUIRED KNOWLEDGE, SKILLS, and EXPERIENCE

- A bachelor's degree in the field of Information Technology, Computer Science, or related field.
- Secondary or Post-Secondary teaching experience preferred
- An understanding of the importance of computer science, coding and robotics in school education and is able to support an engaging curriculum around the ideas of computer science, coding, and robotics
- Must have programming and/or coding experience (Java and/or Python)
- Prior experience in computer science, coding, and robotics project-based learning is desirable
- A demonstrated passion and expertise in the teaching of computer science, robotics, and technology
- Be thoroughly conversant with current thinking on teaching K-12 computer science, including the CSTA curriculum, Code.org and other resources
- Must demonstrate visionary leadership and development of the program

- Be eager to research and learn new programming languages and technologies and bring them into the classroom
- Identify and update computer science curriculum changes to be in line with national best practices.
- Inspire students to pursue computer science and engineering fields by bringing in guest speakers, demonstrations of technology, and other activities
- A desire to inspire young women through excellent instruction
- Be an exemplar in the use of technology in the classroom to engage learners and build positive relationships
- Collaborative spirit in developing cross-curricular experiences for students
- Flexibility, optimism, creativity, high expectations, and an emphasis on student-centered learning
- Enthusiastic involvement in the school community outside the classroom
- Excellent communication skills, both written and oral
- Proven organizational skills
- Understanding of the Catholic faith, single-sex schools, and the mission of the Sisters of St. Joseph of Carondelet preferred

St. Teresa's Academy is an Equal Opportunity Employer

August 2021