

Innovative School Option

Education and Formation
all in one place

A Great Choice for your Child

ST. JOSEPH CATHOLIC SCHOOL

C*STEM

CATHOLIC | SCIENCE | TECHNOLOGY | ENGINEERING | MATHEMATICS



ST. JOSEPH
CATHOLIC SCHOOL

Welcome



EDUCATING ALL LEARNERS
TO BECOME THE PERSON
GOD INTENDS.



What is a Catholic Science, Technology, Engineering and Math (C^{STEM}) school?

Children's curiosity to experiment, explore, invent and problem solve is at the core of C^{STEM} learning at St. Joe's. Looking at ways to integrate this learning with Christ-centered teaching is fundamental to the spiritual and human formation of students and families of St. Joe's.

Science: St. Joe's students are actively engaged in learning about the world in a fashion that simulates the way scientists explore. Students write, draw and observe learning with the use of science notebooks. Teachers are trained in scientific teaching

and learning and use innovative learning facilities to offer students hands-on experiences that are real and purposeful.

Technology: St. Joe's will use state of the art technology to give students in our community new ways to create, communicate, think critically and collaborate as 21st Century learners. Classrooms use Interactive boards, Document cameras, i-pads and computers.

Engineering: The heart of engineering is problem –solving, communicating, presenting and persevering. Students use

applications of engineering to create innovative solutions to real-world problems that will continue to give us the conveniences of the world we live in.

Math: At St. Joseph School, mathematics is taught in a way that helps students develop a deep understanding of mathematics as a whole. Students use manipulatives, sketch ideas and create pictorial representations of mathematics in route to remembering mathematical ideas, thinking and numerical fluency.

Top 10 goals of St. Joseph School's C^{STEM} program

1. To incorporate Catholic identity into every aspect of the curriculum through student directed, project-based experiential instruction.
2. To be a forward thinking, faith-based institution that places high priority on faculty training, learning, leadership, and 21st century skill applications.
3. To provide a challenging learning environment that is focused on the integration of religion into science, technology, engineering, the arts and mathematics.
4. To increase the content literacy of all students in every aspect of the curriculum, while maintaining a classical Catholic educational foundation.
5. To operate with the premise that math and science competencies can be developed, and that every student needs access to a CSTEM curriculum to be fully engaged 21st century learners.
6. To promote a climate of innovation in all areas of instruction.
7. To inspire the participation of student populations who are traditionally underrepresented in the sciences and the arts.
8. To foster a climate that encourages problem solving, group collaboration, student-directed learning, and independent research.
9. To understand that success is defined in multiple ways and can-and does-occur in many different types of schools and learning environments.
10. To utilize strategic planning as a blueprint to guide the development and implementation of the CSTEM curriculum.

**adapted from National Catholic Education Association, <http://www.ncea.org/department-news/top-ten-goals-stream>*

For more information or to **set up a tour**, call 952-442-4500

INSPIRING
MINDS
— and —
EMPOWERING
SPIRITS
SINCE 1860

Scan this code with your smartphone to learn more about St. Joe's & LADC



952-442-4500
schooloffice@stjosephwaconia.org