



STREAM LAB SYLLABUS

Mrs. Irene Fotinakes

Description

- STREAM is an interdisciplinary approach to Catholic education that incorporates connections among Science, Technology, Religion, Engineering, the Arts, and Math
- The STREAM program will focus on:
 - The 4 C's: Communication, Collaboration, Creativity, and Critical Thinking
 - The Engineering Design Process
 - Project-based Learning
 - Engaging hands-on activities and building challenges

Classroom Expectations and Procedures

- Students are expected to follow all school and classroom rules
- Students are expected to be respectful, responsible, safe, and ready to learn
- Students are encouraged to maintain a growth mindset and contribute with active participation and engagement
- TK-K students will have STREAM once a week for 30 minutes
- Students in grades 1-4 will have STREAM once a week for 45 minutes

Course Objectives

- Develop 4 C's and problem-solving skills
- Understand and apply the NGSS (Next Generation Science Standards) in real-world contexts
- Integrate Catholic teachings and values into STREAM disciplines
- Encourage creativity and innovation through interdisciplinary projects
- Example Units of Study:
 - "Religious Engineering": Learning Bible stories and using the Engineering Design Process to build elements from the stories
 - Lego Education Kits (STEAM Park & Spike Essential)
 - Forces and Motion
 - "Meet the Masters" Art Lessons

Grading Policy

Every trimester, students will earn their grades through a point system designed to reflect their behavior, engagement, and contributions (Grades K-4):

- Citizenship/Behavior: 100 points
- Participation/Effort: 100 points
- Projects: Individual and group projects will vary in value, ranging from 10 to 50 points each

Contact

T: 562.296.9060

E: ifotinakes@stthedwigk8.org