

Future engineers go to the X-STREAM

THE X-STREAM GAMES ARE HOSTED BY THE EDUCATION OFFICE AT THE CATHOLIC DIOCESE OF CLEVELAND FOR STUDENTS IN PRESCHOOL THROUGH GRADE EIGHT WHO ARE INVOLVED IN STREAM EDUCATION IN THEIR SCHOOLS. STREAM — SCIENCE, TECHNOLOGY, RELIGION, ENGINEERING, ARTS AND MATH — ALLOWS FOR YEARLONG CLASSROOM LEARNING CULMINATING IN ONE, DIOCESANWIDE COMPETITION WHERE FUTURE ENGINEERS AND COMPUTER PROGRAMMERS SHOW OFF WHAT THEY'VE LEARNED.

The STREAM Initiative in the Diocese of Cleveland began three years ago as a way to implement learning that involves solving problems, asking questions and exploring the world.

Student participation doubled in 2019 from the first games in 2018, with more than 500 students competing in the second year. The number of schools also doubled, with 26 schools competing in 2019.

Jennifer Miroglotta, coordinator of curriculum for the diocese, helped lead and plan the 2019 X-STREAM Games, which took place at Holy Name High School. "Focus is placed on authentic project-based learning experiences and assessments. These are hallmarks of 21st century learning," she said.

Schools were represented by teams of students who presented projects or completed technical challenges while fielding questions from judges.

Each grade level competed in categories that included chemistry in the kitchen, lip balm product development, arcade game or miniature golf design that used sustainable materials, robotics and computer coding.

Pupils in grades K-2 had the opportunity to participate in a Lego design and build expo. Each student selected a story from Scripture and constructed it based on their visual interpretation.

Art displays, a Shark Tank-like experience for inventions and science scrimmages also took place throughout the school.

"Almost every inch of this building is being used to hear our Catholic school students bring their ideas to life," said Frank O'Linn, superintendent for the Office of Catholic Education.

The third X-STREAM Games will take place on March 28 at two locations in Elyria: St. Jude School and Elyria Catholic. They will be co-hosting the games since numbers have exceeded the capacity for one site. Teachers who were trained in the different events at the STREAM Academy in August are busy preparing their students to compete or exhibit their work. †



ACADEMIC HIGHLIGHTS

1 All elementary schools are incorporating Pope St. John Paul II's Theology of the Body into their religion curriculum. More than 700 religion teachers attended the religion curriculum rollouts in September and October.

2 All Catholic schools in the diocese have free access to The Culture Project missionaries, promoting human dignity, sexual integrity and social media topics.

3 Students in the diocese are committed to learning and applying Catholic values through engaging efforts in the community. Our schools received state awards recognizing their efforts to produce energy-efficient, sustainable and healthy school environments as well as awards recognizing the support of students and families who are connected with the military.

4 All Catholic elementary and high schools in the diocese work annually to identify and strengthen mission and to engage in the ongoing improvement of student learning. All Catholic schools are accredited by the Ohio Catholic Schools Accrediting Association.

Percentage of ACT-tested students ready for college-level coursework

(diocesan vs. state numbers)

