

# ***ST. CHRISTOPHER STREAM ACADEMY***

**The Diocese of Buffalo  
STREAM Academy  
courses provide creative,  
hands-on opportunities for  
students:**



- Focus on inquiry, creativity, complex thinking and FUN!
- Emphasize STREAM education learning areas and nurtures the innate curiosity of every child!
- Provides a runway for our next generation of believers, innovators, scientists and leaders!

***ST. CHRISTOPHER STREAM ACADEMY*** courses will be offered all year. Class sizes are limited to maximize impact and instruction so it is vital to register as soon as possible.

STREAM Academy course descriptions:

**FUTURE CITY** A national, project -based learning experience where students imagine, design and build cities of the future. Working as a team, students are asked to utilize the engineering design process- identify problems, brainstorm ideas, design solutions, test, retest- to build a tabletop scale model of a city using SimCity™ software and recycled materials. Students will then present their research and designs to a panel of judges at regional competitions in January.

**LEGO U: FUN WITH A PURPOSE! READY... SET... BUILD!** Let your imagination run wild while designing and building with a purpose. This STREAM academy provides an engaging, playful learning experience for our youngest learners. Students work cooperatively to design, build and test engineering principles while having buckets of FUN! Each week, students will undertake a design challenge connected to topics taught at the primary level in ELA, Math, Science, Social Studies or Religion utilizing LEGO® bricks. Students will also have a time at the end of the sessions to present and share, practicing and strengthening their presentation skills. FUN with a purpose!

**ARCADE ACADEMY** Inspired and based on “Caine’s Arcade, this course invites students in to design and build fun and engaging arcade games using recycled materials and lots of imagination. When completed, the games will be shared with the school community to help raise awareness and funds for a charity of their choice.

**Kitchen CHEM** Extend the joy of science in the kitchen! The chemistry, biology, and simple life science exploration will be emphasized throughout this course. Join all the learning and fun of hands-on kitchen science as mini “CHOPPED” competitions engage students in the creative aspect of food preparation as well! Celebrate in December as schools have the option to participate in the X-STREAM Games and Expo where creative food preparations are showcased.