STREAM Academy

Course Brochure 2018-2019
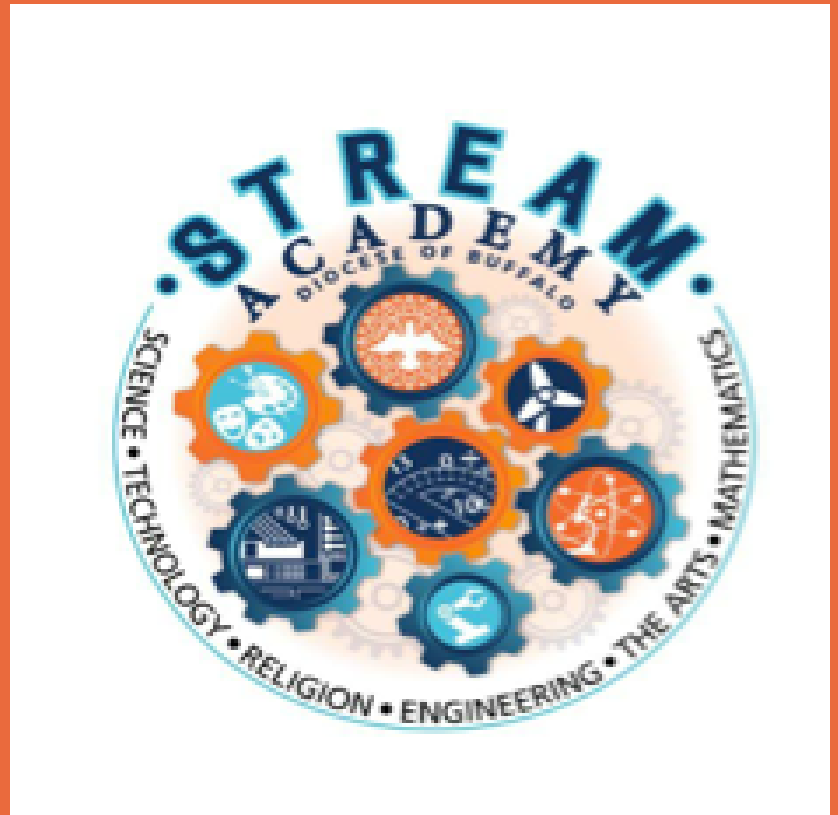
How to Prepare Students for their Bright Future

REBOOT YOUR OLD KITS AND/OR
ENJOY NEW COURSES!

Register
and
Purchase
by June 15, 2018
WNYCatholicSchools.org

*Build STREAM Programming
and turn on the next generation of
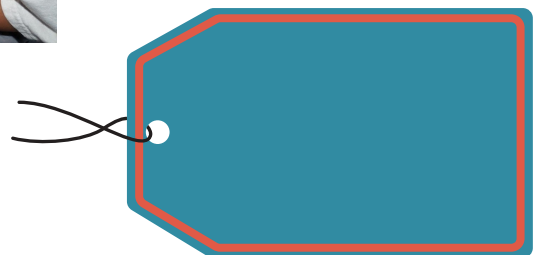designers, scientists, leaders and believers!*

STREAM Littlebit

A BLAST WITH BUBBLES

Up, up and Away!

Who doesn't love bubbles? Children will explore the science of bubbles and make connections to literature and writing throughout this Littlebit course.
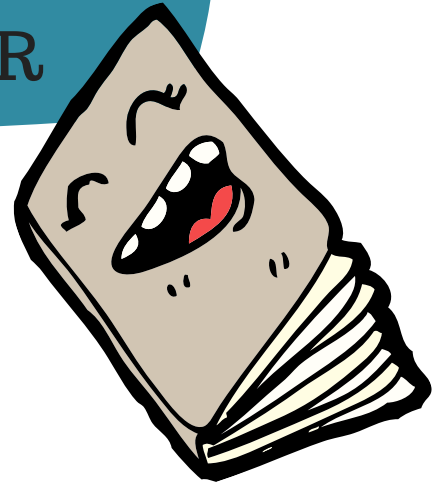A range of activities will allow investigation, design, and creativity for our youngest learners. This course will surely be a blast!
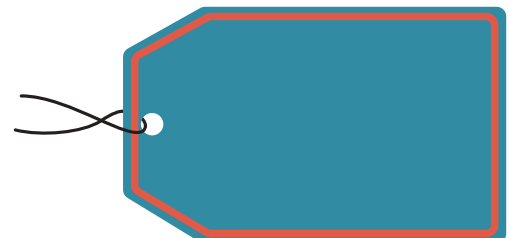
DO TELL!

Gr. 2-4

Carnegie STORYMAKER

A big hit with our young storytellers!

What better way is there to encourage reading than to author your own storybook! Bring to life ELA skills and add a dash of coding with Carnegie Storymaker! Your young authors will bring their own story and characters to life utilizing a simple template for coding.

At the successful completion of the course, students will have created an animated story that they can share with their friends and family and been given their own QR code to read the book on tablets, Kindles, and computers.

Lights, Camera, ACTION

"All the world's a stage!"

This course is a fabulous way to guide students toward self-expression through a broad introduction to plays, monologues, mime, improvisation, theatre games, musical theatre, and stagecraft.

Each week brings a new opportunity to broaden students interests and unleash student creativity while gaining important life skills. Each school can enter a team into in the X-STREAM spotlight on December 2nd at SJCI.
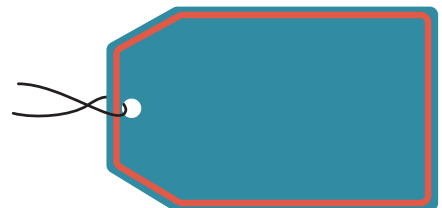
FAB FASHION
The Art and Science of the Runway

Get creative within the world of fashion!

Explore design, engineering, and visual art through fashion design! Use innovative patterns, color, and the design process to solve fashion objectives in the weekly challenges. Students work individually and collaboratively to meet challenge objectives.

No sewing skills? No problem! This course is designed with a no-sew option for any teacher and child. Come and enjoy as you master the skills to become the future of fashion!

Gr. 5-8

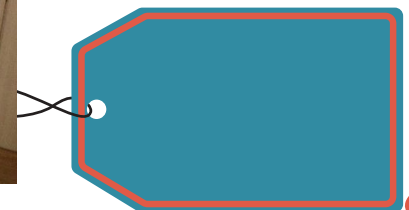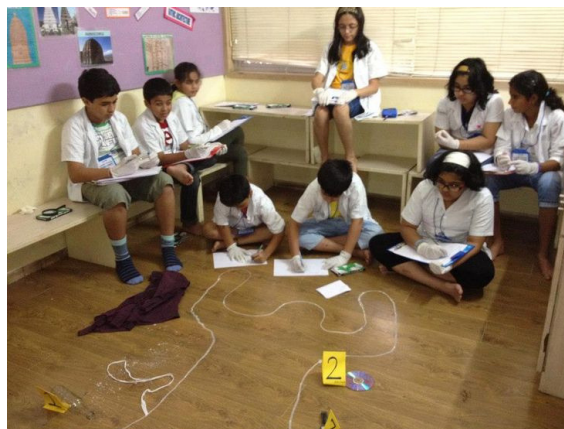# Science Scrimmage 2018

CSI EXPERIENCE

FORENSICS

Science Scrimmage 2018:
The CSI Experience

Solve mysteries using the science of forensics in this year's Science Scrimmage. Students will observe trace evidence, investigate fingerprinting, extract DNA, create transfer patterns, and examine fiber and handwriting evidence to master problem solving like a true crime scene investigator.

Ignite the power of the real-life science application! Each school can enter a team to put their forensic skills to the test at the X-STREAM Games CSI Competition December 2nd at SJCI.

Ignite the POWER OF ART
A MATTER OF JUSTICE

The main purpose of art is to creatively communicate and connect with an audience. This course is all about the power of student art!

Students will explore and study the positive messages conveyed through art and music in our culture and develop their own thoughts and ability to become the powerful voice of social justice in their own art work.

Studio time is spent creating mini-murals using mixed media, and giving students a voice through their creative endeavor.

ROBOTICS

Gr. 6-8
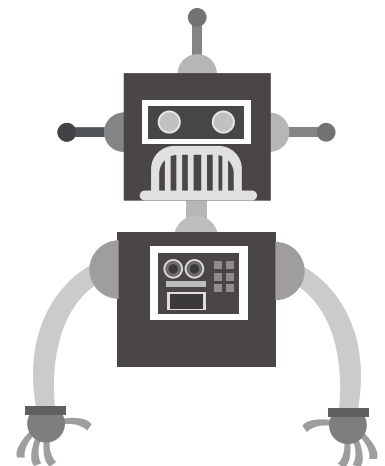
Our VEX Robotics design course offers students an exciting platform for learning about areas rich in career opportunities spanning science, technology, engineering and math!

The program encourages teamwork, leadership and problem-solving among student design teams. Teachers can easily accommodate a variety of student skill levels. This year's X-STREAM game pieces and/or replacement part kits are available too.

Provide deeper learning! Challenge students to try their hand at advanced programming! Learn how with August training!
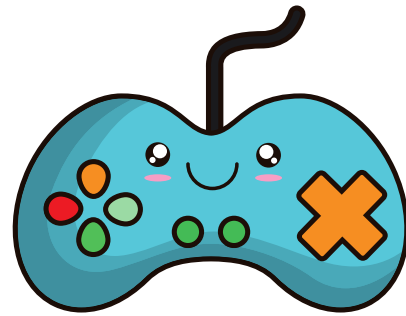
Gr. 6-8

GAME ON!
Video Game
Art and Design

Do your students love playing video games? Take student coding and engineering skills to the next level and introduce them to the world of a video game designer!

In this high energy course, students will learn critical thinking skills, problem solving, and even explore the video game design career. Coding is crucial in today's society. Students will learn the engineering design process to experience how a video game is built. No experience is necessary!

This is perfect for beginners as well as advanced players. Students will also become critical evaluators to see if a game is considered "balanced." Students will familiarize themselves with proper terminology for 21st century tech careers.
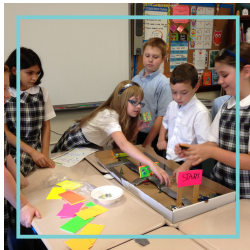
FAB for Coding Curriculum!
PLEASE NOTE: THIS WILL BE TAUGHT
AS A POWER UP PM COURSE on 8/22.

Fan Favorites

Arcade Academy

This course invites students to design and build fun and engaging arcade games. Biggest hit across the diocese. Grades 1-8

Kitchen Chemistry I

Food tastings and identification, as well as safe kitchen practices will be emphasized in this course. Fidelis will give a giftcard. Gds. 2-4
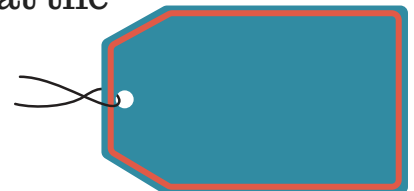
STREAM SPROUTS II CREATION

Engage our youngest learners in the story of creation with STREAM activities across every subject area. Gds.PreK-1

SPECIAL NOTE: FUTURE CITIES

Join our award winning diocesan history of outstanding entries into the National Future Cities Competition held in January. Register and receive course materials to run this course at the National Future Cities website.

MORE
Fan Favorites

KITS and MINI-TRAINING

Rockin' Roller Coasters 2016 (5-8)

Students will research the history of roller coasters, the physics that they employ, test run computer generated coasters, and ultimately design and build their own marble roller coaster that WILL work!

Invention Convention 2014 (3-6)

Spark students' inventive spirit! Participants are challenged to problem solve and design using the same procedure an inventor would follow! SHARK TANK competition concludes at the X-STREAM Games.

You're the Balm 2016 (5-8)

Through an eye-opening study on advertising, students learn the art of persuasion. They then conduct product research and hit the science lab to create their own lip balm product- all for a worthy cause they choose.

PEAP: Bible Heroes: 2015 (1-3)

Primary Engineering Adventures Program takes students on an epic journey through the Old Testament. Students use the engineering design process to assist the great heroes of the Old Testament.

Lego Academy 2.0 2017 (K-1-2)

Put those fabulous Lego's to work with a collection of design challenges to engage students week after week. Specialty pieces included. You provide some basic pieces.