

# STEAM Academy

*STEAM Course Brochure 2019-2020*

6TH ANNIVERSARY EDITION

GOING STRONG: ISSUE NO. 06 2019

## Prepare Students for their Bright Future

Choose Courses  
Order Online @  
[WNYCatholicSchools.com](http://WNYCatholicSchools.com)

TRAINING DATE:  
August 21, 2019

@ St. Joseph Collegiate



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

Pre-K-1

# Littlebit

## MIX IT UP!

### There's More to the Picture!

NEW  
2019

As children develop, they become focused on creating representations and conveying ideas and emotions. This course highlights the "A" in STEAM for our youngest learners!

Students will be introduced to famous artists, explore color, style, and methods of painting while connecting to literature and other core subject areas. Come

"mix it up" and connect curriculum to the inner artist of every child!



**Kit, Binder & Training**

**\$239**

Gd 1-2

# OUR FIVE SUPERPOWERS!

Exploring the Five Senses

NEW 2019



Explore the science behind how messages of sound, smell taste, touch and sight are communicated through the body. Go on unusual adventures and enjoy writing about sensory experiences across the curriculum. This is a deep dive into a grand exploration of all our true superpowers- the five senses!

**Kit, Binder & Training**

**\$249**

Gd 2-3

# The Man, the Myth the Legend: GALILEO

**WELCOME TO THE SCIENTIFIC METHOD**

NEW  
2019

**IF I AM A SCIENTIST, WHAT DO I DO??**

Teach the "Next Gen" standards to the next generation of scientists!

Join in the journey of scientific exploration integrating Social Studies, ELA, and STEM! To begin this course, our youngest scientists will learn the wonders of an icon: Galileo- the master of observation!

Students will engage in hands-on activities and exploration. They will keep a "scientific notebook" as Galileo did to introduce and master the fundamentals of scientific exploration!

Observation

Prediction

Sorting

Classifying

Measuring

Modeling

Gathering Data

Communicating Discoveries



\$199

**Kit, Binder & Training**

Std. 3-5

# Lights, Camera, ACTION

NEWLY  
EXPANDED

"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 creativity while gaining important life skills.

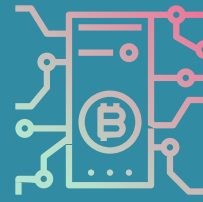


**Kit, Binder & Training**

**\$269**

Gd 3-6

# CIRCUIT CUBES

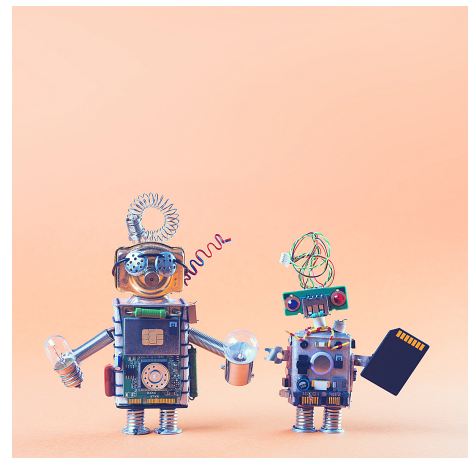


**NEW  
2019**

**INNOVATING  
and ENGINEERING IS A SNAP!**

Using Circuit Cubes by Tenka Labs, students will learn about simple and complex circuits. Through exploration of the Circuit Cubes, and specific weekly engineering challenges, students will be challenged to apply circuitry lessons by making simple robots that can preform many tasks.

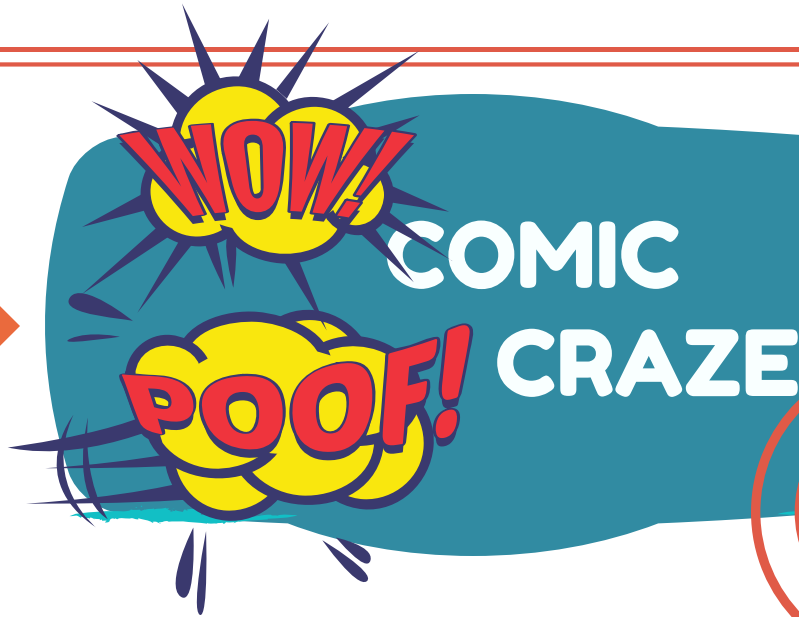
Circuit Cubes are designed to fit with LEGO bricks and enables constructive fun through innovation! The options are endless! Come join the fun!



**\$329**

**Kit, Binder & Training**

Gd 3-5



NEW  
2019

Integrate the art and design of comic book story writing and illustration!

There is no better way to encourage reading than to author your own comic book! We will explore the history, style, illustration and making of great comics, and use expert tips from the pros to produce our very own comic book.

Using the technology of Book Creator, students will bring the building blocks of writing great stories to life and reinforce every ELA concept!



\$189

**Kit, Binder & Training**



Gd 4-6

**RUBE  
GOLDBERG:**

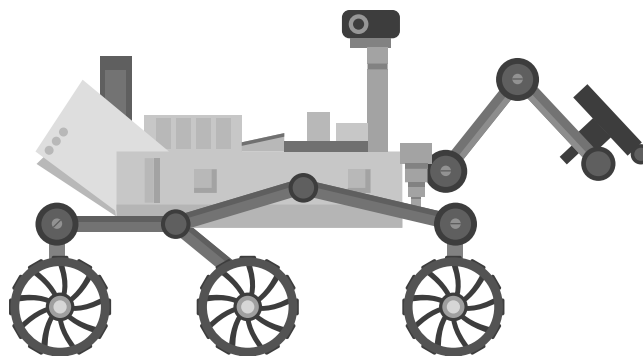
**THE  
CONTRAPTION GENIUS!**

**NEW  
2019**

An American cartoonist, sculptor, author, engineer, and inventor. Goldberg is best known for his popular designs depicting complicated gadgets performing simple tasks. There's something completely fascinating about building and watching a Rube Goldberg contraption!

This course is all about that!

Students will study and build both simple and complex machines. They will utilize the Engineering Design Process to create an original contraption! Follow in the footsteps of Rube Goldberg and design and build something amazing! Come join in the fun!



**Kit, Binder & Training**

**\$319**



Cr. 4-6

# 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!



\$269

**Kit, Binder & Training**

Gr. 5-8

Science Scrimmage 2019

CSI EXPERIENCE

FORENSICS



Science Scrimmage 2019:  
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 real-life science application!



**Kit, Binder & Training**

**\$289**

Cd 5-8

# MOCK \$TOCK MARKET



NEW  
2019

Ever wonder what makes companies like Amazon and Addidas grow strong and prosper??? WALK THE WALK of Wall Street and learn about the exciting world of investing.

Students will learn the basics and manage a virtual portfolio of \$10,000 with real time stock market trading and tracking through the TD Stock Market Simulator.

Elements of math, economics, marketing, technology and U.S. history are taught so students can knowledgeably build an investment empire!

This is an eye-opening look into the world of popular companies! Students can simulate the real world of finance!



\$199

**Kit, Binder & Training**

**NEW YEAR. NEW CHALLENGE.**

Gd 6-8

# ROBOTICS

Get teachers training  
Order the 2019 Challenge!

SEE VEX  
ORDER FORMS  
ONLINE



Our VEX Robotics design course offers students an exciting platform for learning about 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.

Provide deeper learning! Challenge students to try their hand at advanced programming! Learn how with August training!

**VEX training available 8/21 for \$29**

