

# STEAM Studio

by Next Generation School



**S**CIENCE



**T**ECHNOLOGY



**E**NGINEERING



**A**RT



**M**ATH



# STEAM Studio

## by Next Generation School

2521 Galen Drive, Champaign IL . (217) 356-6995 . [nextgenerationschool.com](http://nextgenerationschool.com)



### ABOUT THE STEAM STUDIO PROGRAM

STEAM Studio is an after school enrichment program that explores the fields of Science, Technology, Engineering, Art, and Math. This program is for elementary aged public and private school children in the Champaign-Urbana community. Our groups are Zepto for students in grades K through 2, and Terra for students in grades 3 through 5. Through the studio approach to learning, students are involved in a mini-lesson to introduce a new concept or skill that they can use and apply in the studio hands-on activities. These projects are student driven and inquiry based. They promote 21st century learning through their research and investigations, collaborative nature, and problem solving approach. These programs are offered at a 3 day or 5 day per week rate.

### STEAM STUDIO FULL DAY PROGRAM

STEAM Studio offers full day enrichment programs on days out of school throughout the year. During these programs, students are challenged to apply scientific reasoning and their creative art skills to solve a wide array of real-world problems. Students participate in

field experiences with guest experts in the community to explore our theme for the camp. These programs are offered at daily and weekly rates.

### MAKER'S LAB

This program fosters purposeful play and provides an opportunity for students to hone their engineering and design skills by creating useful devices from a given set of materials. Maker's Club is a hands-on experience which will introduce participants to a number of skills including woodworking, electrical circuitry, sewing, soldering, and much more. Every Friday from 4:00-5:00 Terra group will partake in a mini-workshop to expand their skills and then they will have Studio time to design, build, and create their very own products based on their interests and workshop badges. Products could include but are not limited to LED pins, bristlebots, toys, fashion items, simple chairs, and model planes.







What is  
STEAM?

## PROGRAM QUICK FACTS

- > We provide pick up and transportation from your child's school in Champaign Urbana to our STEAM Studio facility.
- > Homework assistance and recess time is given until 4 PM.
- > An afternoon snack given on arrival reenergizes the students for an afternoon of enrichment!

## Parent Testimonial

"I have been enamored with this program! They learn more here than they do in their school and engage with adults in a high quality learning environment. The learning situations they provide are top notch and full of creativity!" -**Nicole Farahvar**

SCIENCE

TECHNOLOGY

ENGINEERING

ART

MATH

## STEAM STUDIO 2014-2015 HIGHLIGHTS

- >Creating oceans in a jar
- >Building a cave filled with bats and cave formations
- >Making musical instruments and creating bands
- >Making and marketing bathroom products
- >Solving a crime with our forensics skills
- >Designing and building bridges out of K'Nex
- >Building and programming Vex Robots
- >Collecting bird data for Cornell University and the Smithsonian
- >Designing and engineering castles and creating medieval artifacts



## TO REGISTER

Go online to  
[nextgenerationschool.com/#/after-schoolsummer-camps/steam-studio](http://nextgenerationschool.com/#/after-schoolsummer-camps/steam-studio)  
and click the green  
“Register for STEAM Studio” box  
on the left.

## QUESTIONS?

Call Angela Nelson or Krystal Moya at  
**356.6995** or email STEAM Studio at  
[steamstudio@nextgenerationschool.com](mailto:steamstudio@nextgenerationschool.com)

## MEET THE COORDINATOR



### ANGELA NELSON, COORDINATOR

Angela Nelson was recruited by NGS to lead the STEAM Studio. She received her Bachelors of Science from the University of Calgary in Alberta, Canada and then pursued her Master's of Teaching with a specialization in Inquiry Based Learning. Through her career to date, Mrs. Nelson has acquired specific expertise in the development of inquiry based projects in the area of Science, Technology, Engineering, and Math (STEM). At the Calgary Science Center and Inglewood Bird Sanctuary, Mrs. Nelson developed STEM based programs for visiting school groups. For the past eleven years, she has been an educator in both public and private school systems, developing and delivering enriched math and science programs such as school-wide Science Olympics and novel LEGO-robotics programs. Angela believes that the learning experience is enhanced by fostering close relationships and interactions with the community. In this regard, Mrs. Nelson and her 5th grade class at the Duke School in Durham, NC, in partnership with

the Duke Lemur Center, received a Disney Grant for the construction of a sustainable garden from which lemur food and enrichment toys are grown. Mrs. Nelson has been recognized for her work as an educator and has routinely delivered presentations and workshops at various national meetings including the National Science Teachers Association annual conference.