

MEET THE COORDINATORS



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.

KARI COHEN, ASSOCIATE COORDINATOR

Kari Cohen recently moved to Illinois from Los Angeles, CA. She graduated from California State University, Northridge, with a B.A. in Liberal Studies as well as her California Multiple Subject Teaching Credential. She then pursued her Master's Degree in Educational Psychology and Counseling with an emphasis in early Childhood Education. Ms. Cohen has six years of teaching experience in kindergarten, first and second grades and was awarded the Southern California Kindergarten Teacher Award. While in California, Ms. Cohen was a founding member and curriculum/teaching model developer for Prestique Academy, a new and innovative private school. Her passion for teaching, expertise in curriculum differentiation, and innovative teaching methodologies insure a compassionate, stimulating teaching environment that fosters fun, interactive learning. Ms. Cohen has been recognized for her work as an educator and has presented at the Southern California Kindergarten Conference on subjects such as incorporating dance and movement into curriculum as well as integrating technology and innovation into the classroom to create life long learners.



Next Generation School is now introducing:

STEAM Studio Summer Courses

Students will have the opportunity to explore themes based on Science, Technology, Engineering, Art, and Math through demonstrations, labs, activities, guest experts, and field experiences focused on the camp's unique themes. Each day will include expert input on a topic as well as time to investigate and problem solve with peers.

What is STEAM?

SCIENCE

TECHNOLOGY

ENGINEERING

ART

MATH

CAMPS INSIDE!

REGISTRATION
OPENS
ONLINE
FEBRUARY 27

Limited spaces in these innovative camps!





ZEPTO CAMPS

for students who have completed **Kindergarten, First, or Second** grades.

Through these week-long enrichment camps, students will have the opportunity to explore themes based on Science, Technology, Engineering, Art and Math. Campers will be: mummifying chickens as they study Ancient Egypt, creating 3D models of their ultimate park based on their physics data, engineering hot air balloons with their inventive designs, starting their very own herbarium as they visit local parks, and much more in these inquiry based camps.

Playground Science

Camp Dates: June 15 – June 19

Times: 9 AM - 4 PM

(precare from 7:30-9 AM & aftercare from 4-5:30 PM)

Camp Cost: \$235 (due MAY 29)

1,2,3, Create! Have you ever wanted to construct your own playground? During this camp we will visit some of the Champaign-Urbana parks and discover the science that goes into all of our favorite activities! Campers will investigate the physics of friction and the angle of incline planes to speed up a slide. Experiments will be conducted to discover how centripetal force acts on the tire swings and learn which simple machines are an important part of our favorite playground toys. Our science sleuths will explore other attractions at our neighborhood parks, including ways to attract birds and other interesting critters through bird feeders and gardens. We will explore unique parks that have a mission to help preserve natural habitats and conduct a wetland study to determine the effectiveness of that mission. These field experiences will help us draw conclusions and make decisions as we finish off the week by designing our very own 3D models of the ultimate park using technology and materials at STEAM Studio.

Budding Botanist

Camp Dates: July 13 – July 17

Times: 9 AM - 4 PM

(precare from 7:30-9 AM & aftercare from 4-5:30 PM)

Camp Cost: \$235 (due July 3)

Use your green thumb as we explore the magnificent world of plants! This camp will delve into several different fields in Botany. We will explore the diverse adaptations of plants from spring mechanisms for shooting out seeds to carnivorous plants that eat insects. Students will learn the basic needs of plants and then conduct their own experiments to determine other factors that could influence the growth of a plant like playing music or giving it energy drinks rather than water. Botany is not always in a lab; we will have field experiences to look at the many purposes for plants, including food sources and visual works of art. Join us as we learn how to create a lasting memory of these beautiful locations through photographs and paintings. Finally, students will discover how scientists identify and name the thousands of plants on earth by starting our very own STEAM Studio herbarium!



TERRA CAMPS

for students who have completed **Third, Fourth, or Fifth** grades.

Zoom Zoom Invent!

Camp Dates: June 29 – July 3

Times: 9 AM - 4 PM

(precare from 7:30-9 AM & aftercare from 4-5:30 PM)

Camp Cost: \$235

Supplies Fee: \$60 (due MAY 29)

Transportation plays a vital role in our lives but how often do we think about how it works? In this weeklong camp, we will explore the latest and greatest in transportation and the scientific inventions of transportation technology. Discover how submarines and boats use science to transport people through water. Create your very own Cartesian Diver and design a boat that will keep products afloat in the stormiest of seas! Campers will explore density and air currents by inventing their very own hot air balloons. Have you thought about cars powered by the sun or the corn that can be found at your local farmer's field? After creating a solar powered model car, students will put their creativity to the test by proposing alternative fuels of the future. We will discover what allows a massive plane to stay in the air and defy gravity through Bernoulli's Principle. The week will end with a study of Newton's Laws and how rockets use the three principles to blast into our solar system. Be ready to make a rocket and blast it off at a local park! Due to the various models that will be produced and taken home at the end of the week, there is an extra supply fee for this camp.

Ancient Egypt Exploration

Camp Dates: July 27 – July 31

Times: 9 AM - 4 PM

(precare from 7:30-9 AM & aftercare from 4-5:30 PM)

Camp Cost: \$235 (due July 3)

Come explore a world filled with science and mystery. Join us as we delve into discovering the elusive pyramids and use engineering tools to build scale models of your favorite pyramid. Become an archeologist and participate in a STEAM Studio dig to look for artifacts and make scientific inquiries into their significance. Contribute to a live Citizen Science Project to transcribe hieroglyphic texts. Participate in a chicken mummification to see how this ancient process has worked for thousands of years. Students will also create a Canopic Jar to take home! We will also investigate the geographical location, weather conditions, farming techniques, and culture that make this place so fascinating.

HOW TO REGISTER

Registration opens online at
nextgenerationschool.com
February 27, 2015

All STEAM camps are filled
first-come/first-serve.
Spaces are limited!

Payment is due no later than:
MAY 29 for June camps
& **July 3 for July camps.**

Want a reminder for when registration opens?

Email Ms. Krystal Moya at

<krystal.moya@nextgenerationschool.com>

to be notified when registration begins!