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March 6, 2017
nextgenerationschool.com

Questions? Call 217.356.6995
Contact: Ms. Krystal Moya

SUMMER STEAMcation

by Next Generation School



Join STEAM Studio as we design,
experiment, create & play!

Weekly, full-day Summer STEAMcation
and advanced STEAM enrichment camps
for students entering 1st - 5th grade

EXPLORING THE STEAM THEMES FOR ZEPTO, PICO, & NANO (STUDENTS ENTERING 1ST - 3RD GRADE)

WEEK 1: JUNIOR CHEMISTRY

CAMP DATES: MAY 30 - JUNE 2

Put on your lab coats and get ready for a week of your favorite chemical reactions! Discover non-Newtonian liquids while making slime. Create a bottle of elephant's toothpaste that will amaze all of your friends! Design beautiful works of art through chromatography and write your own secret messages. Take the Slime Time Challenge and make your own batch of Ooblek during this fun-filled week of chemical reactions.

WEEK 2: FARMING AROUND THE WORLD

CAMP DATES: JUNE 5 - JUNE 9

Over 40% of the Earth's land is dedicated to food production. Come explore how some plants are grown in the most extreme conditions. Create a greenhouse to maximize the energy from the sun in the Arctic, where food is scarce. Discover the Sky Greens of Singapore and engineer your own plant sky scraper. Create baskets to collect rice in the Far East and design a harvesting mechanism for one of the trickiest crops in America, such as pumpkins in Illinois or maple syrup in Vermont. We will even explore NASA's work on growing plants in outer space and design a lunar farm for the future!

WEEK 3: OUTRAGEOUS ANIMALS

CAMP DATES: JUNE 12 - JUNE 16

Did you know that a beaver has orange teeth that never stop growing? During this camp we will explore these animals and many more that have outrageous adaptations! Have you ever wondered why woodpeckers don't get a headache from hitting their head against a tree? Come learn how and make your own oscillating woodpecker! Discover why tigers have stripes and create your own tiger pattern. Join us as we experiment with buoyancy to discover why sharks don't sink. We will end the week by creating our own outrageous animals.

WEEK 4: BUBBLOLOGY

CAMP DATES: JUNE 19 - JUNE 23

Everyone has gone outside and made bubbles but have you ever created your own bubble concoctions? Use your chemistry skills to create the formula for the largest bubble and then design bubbles that don't break! Test how bubbles form in different solutions and, finally, design the ultimate bubble wand!

WEEK 5: DIGGING DINOS

CAMP DATES: JUNE 26 - JUNE 30

Jump on the STEAM time machine as we go back in time 200 million years during the Jurassic period when dinosaurs roamed the earth. We will create our own pneumatic moving dinosaur heads, build dinosaur eggs, explore the various dinosaur adaptations and experiment to see how quicksand preserves the fossils we have now! Then, step out of the time machine to explore the fossils that have been left behind!

WEEK 6: STEAM SUMMER FUN

CAMP DATES: JULY 10 - JULY 14

Have you ever wanted to create your own water park? Join us as we engineer the ultimate water slide and experiment with how to make the slide even faster! It is important to stay safe when boating on a lake. Create the perfect flotation device for an amazing boat adventure. Then, stop at the beach and explore how sand is made and create some beautiful sand art paintings. We will experiment with sunscreens to discover which ones will protect us the longest and create color changing jewelry with UV beads. End the week at the park flying your very own kite created during miniMakers Lab!

WEEK 7: FRESH WATER MANIA

CAMP DATES: JULY 17 - JULY 21

Did you know that we are drinking the same water that was here when the dinosaurs roamed the Earth? We will explore where fresh water can be found on Earth and what living things call it home. Join us as we make special eye glasses to see into our local water sources. Be ready to collect water samples to test at STEAM Studio. We will use microscopes to see the tiny critters that are invisible to the naked eye! Explore how fish can breathe under water and design a model to show how some insects can walk on water! Discover how ducks keep their feathers dry and so much more.

WEEK 8: STEAM ASTRONAUTS

CAMP DATES: JULY 24 - JULY 28

3,2,1, BLAST OFF! on a STEAM mission to outer space. Discover the physics behind rockets and design your own rocket to leave Earth's orbit. Experiment with zero gravity and discover the problems it causes for space junk. Build a lunar lander that will safely slow down and land you on the moon. Discover what astronauts do in space all day and make some astronaut pudding to enjoy. Come join us as we learn about the International Space Station and explore how it stays in orbit! Create your own glow in the dark painting of what space looks like from the International Space Station.

WEEK 9: AUSTRALIAN ADVENTURES

CAMP DATES: JULY 31 - AUGUST 4

Dive into the Pacific Ocean and explore the wonders of the Great Barrier Reef. Discover the Outback that covers more than half of the continent. Explore some of the famous animals that call this place home like the kangaroo, platypus and the Australian wombat. Become an architect and explore iconic structures like the Sydney Opera House and Sydney Harbor Bridge. Did you know that Australia has the most reptile species in the world? We can't wait to share them with you!

EXPLORING THE STEAM THEMES FOR TERA (STUDENTS ENTERING 4TH - 5TH GRADE)

WEEK 1: STEAM FASHION

CAMP DATES: JUNE 5 - 9

Are you ready to design the next fashion craze? Join us in Makers Lab as we sew electronics into our designs to make them light up! Explore unusual materials from duct tape to paper as we create the most ingenious clothing for our superhero characters! Discover how fabrics are made and put your skills to the test as we create our own fabric patterns. Experiment with chemistry as we explore color changing reactions and shock absorbing fluids for the ultimate shock absorbing outfit. Invent the next big thing for the future of superhero fashion with invisibility cloaks and fabric as strong as steel. Create your own color palette and theme for your fashion design and share it at our fashion show at the end of the week!

WEEK 2: A MARK IN TIME

CAMP DATES: JUNE 19 - JUNE 23

Come join us as we explore some of the most ancient mysteries, inventions and wonders of history. Create your own working aqueduct, explore the strength of the column in the Roman Colosseum. Explore Aztec buildings and use your archeology tools to hypothesize the culture and lifestyle of these ancient people. Decipher the hieroglyphics left in an ancient cave and discover how time was first kept by building your own clock. Create your own time capsule to be opened in 2037!

WEEK 3: ARCADE MAKER MANIA

CAMP DATES: JULY 10 - JULY 14

Using Caine's Arcade as inspiration, we will design, build and create our own STEAM Studio Arcade! Come join us as we explore the forces that are present in a pinball machine. Use Makey Makey to create your own version of Operation. Discover how magnetism can be used in some of your favorite games! Join us in Makers as we build and design our very own unique STEAM Studio arcade games. We will even create the tokens, tickets, and advertisements while discovering the business side of our arcade. The grand opening will be on Friday afternoon as we open our doors to the other STEAM campers and get feedback on all of our creations!

WEEK 4: NUTS ABOUT NATURE

CAMP DATES: JULY 24 - JULY 28

Become a nature photographer and create works of art for our gallery. Explore the curious world of bats and build the ultimate bat house in Makers Lab. Join us on a nature walk as we classify native plants in Illinois and discover some of their amazing adaptations like spring loaded seed throwers! You will even learn how to dry flowers in a plant press and use them to make bookmarks! Discover what scat can tell you about the animals that visited the area, make your own edible scat, and use it to teach others! Can you jump as high as a flea? Have you ever been on a one meter hike? What can a fish ink print really tell us? Join us as we answer these questions and more over a week that is guaranteed to be any nature lover's dream!

PLAN THE SUMMER

ZEPTO, PICO & NANO CAMPS

Camp Session 1

Closed 5/29 in observance of Memorial Day

Week	Dates	Theme	Cost
1	5/30-6/2	Junior Chemistry	\$200
2	6/5-6/9	Farming Across the World	\$250
3	6/12-6/16	Outrageous Animals	\$250
4	6/19-6/23	Bubbleology	\$250
5	6/26-6/30	Digging Dinos	\$250

Sign up for all of Camp Session 1 and get 10% off tuition!

Closed for Week of 7/3-7/7

Camp Session 2

Week	Dates	Theme	Cost
6	7/10-7/14	STEAM Summer Fun	\$250
7	7/17-7/21	Fresh Water Fun	\$250
8	7/24-7/28	Astronaut Life	\$250
9	7/31-8/4	Australian Adventure	\$250

Sign up for all of Camp Session 2 and get 10% off tuition!

TERA CAMPS

Week	Dates	Theme	Cost
1	6/5-6/9	STEAM Fashion	\$300
2	6/19-6/23	A Mark in Time	\$300
3	7/10-7/14	Arcade Maker Mania	\$300
4	7/24-7/28	Nuts About Nature	\$300

Sign up for all 4 weeks and receive \$100 off tuition!

QUICK FACTS

Zepto, Pico & Nano Camps
[students entering 1st-3rd grade]

- >>Camp activities from 8:30-4:30 PM
- >>Pre-care from 7:30-8:30 AM included
- >>After-care from 4:30-5:30 PM included
- >>Two daily snacks provided
- >>Weekly swimming at the NGS Pool & Crystal Lake Aquatic Park
- >>Creative art studio
- >>STEAM challenges
- >>Science explorations
- >>miniMakers Lab

Tera Camps
[students entering 4th-5th grade]

- >>Camp activities from 8:30-4:15 PM
- >>Pre-care from 7:30-8:30 AM included
- >>Five hours of dedicated STEAM enrichment
- >>Two daily snacks provided
- >>Makers Lab throughout the week
- >>In-depth science explorations
- >>Art & design
- >>Technology incorporated into projects & themes
- >>Student-driven projects

LOCATION: 2511 GALEN DRIVE, CHAMPAIGN, IL 61821

**Tuition for all camp weeks is due by
May 1, 2017**

*TIP: Zepto, Pico & Nano families that are signing up for the entire summer should contact Krystal Moya for additional tuition information.

Tuition can be submitted by cash or check. Make checks payable to Next Generation School or NGS.

REGISTRATION OPENS ONLINE MARCH 6
nextgenerationschool.com