



## LEARNING NEXUS<sup>®</sup> ACADEMY

524 S. 1<sup>st</sup> Avenue, Arcadia, CA 91006 • (626) 203-7881 • (626) 475-6359 • contact@learningnexus.net

# SUMMER CAMP 2013

*Register by April 1, 2013 to qualify for our Early Bird Discount!*

*There are also Sibling discount and Whole Package discount*

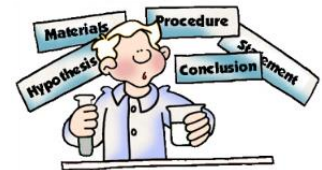
Our Summer Camp promises to be unique, new and exciting with many choices; and goes from June 17, 2013 to August 09, 2013. Our program focuses on each area of STEM and Writing, and is divided in two sessions per day:

**Summer Bridge (A bridging program that provides review of 2012 and a jump start to 2013): 8:00 am to 12:00 pm**

**STEM (Science, Technology, Engineering and Math) Camps: 2:00 pm to 6:00 pm**

- **06/17 06/28, 2:00 pm to 6:00 pm: Session 1 - Science Explorer**

Science is the continuing exploration and discovery of the unknown in order to unravel the secrets of the universe. Through experimentation and observation, scientists are able to use their discoveries to build and create new things and shape new ideas of the future. It is the goal of Science Explorer to harness and direct the boundless curiosity of children; and help them to understand the world around them. Participants will be encouraged to consistently ask questions, discover new things and explore the unknown. Through both a guided lecture and supervised experiments and projects, their young minds will learn about things such as Newtonian forces, elements, chemical reactions, cells & microbes and other wonders. Lessons are planned to shape and mold their perspective, and expand and grow their minds and world.



**About Science Explorer Leader**

*Steven Co graduated from University of Cincinnati, College of Medicine with a MS in Physiology and a BS in Biochemistry from UCLA, and is currently on his way to becoming a pediatrician. He has been passionate about science ever since he was a young child, and that passion has propelled him to pursue a career in medicine. As he makes his way to realizing his dream, he has successfully helped many children to find the same level of excitement, passion and dedication that he himself possesses in discovering about the wonders of our world and what makes it work.*

- **07/01 - 07/12, 2:00 pm to 6:00 pm: Session 2A - Lego Pre-Engineering (Age 4 to 8)**

Children aged 4 to 8 can let their imagination run wild with over 100,000 pieces of LEGO<sup>®</sup>! This hands-on camp develops an inquiring mind, independence, and confidence in children as they are immersed in problem-solving, creative expression, teamwork and leadership skills.



Working together, they will learn about engineer-designed projects such as boats, bridges, mazes, and motorized cars, and be encouraged to use special pieces to create their own unique designs. They will become more aware of how things work as they explore the endless creative possibilities of the LEGO<sup>®</sup> building system with the guidance of an experienced Play-Well instructor.

**About Pre-engineering Camp Leaders**

*Play-Well TEKologies is the country's LEGO project companies, and has been 'Teaching Engineering to Kids' since 1998. Camp Leaders have varied careers and educational backgrounds (mechanical engineering, architecture, biology, art, geology, alternative energy, civil engineering, etc.). More important, though, is that all share a common enthusiasm for kids, engineering, and LEGO.*

- **07/01 - 07/12, 2:00 pm to 6:00 pm: Session 2B - Imagine, Design and Build Robotics (Age 9 & up)**

IMAGINE, DESIGN, BUILD! Our Robotics Camp is designed to excite and instill participants with a passion towards pursuing a science and engineering career. Children from the age of 9 participating in this active, hands-on camp will all

be immersed in teamwork and leadership skills as they work together to learn about robot design, driving skills, gearing, drive trains, sensors, wiring, engineering, competition strategy, and robot programming. The robots built by participants will enter a robotics challenge and demonstration at the end of the camp.

#### **About IMAGINE, DESIGN, BUILD Robotics Camp Leader**

**Tony Ayad** has been involved in First Lego League (FLL) Robotics program since 2009. He regularly participates as judge and judge advisor in the various robotics competitions in Southern California. He conducts annual workshops for FLL coaches and participants. He teaches robotics Jefferson Middle School, San Gabriel. He has been a member of the FLL Los Angeles Region Planning Committee for three years. He coached his daughter's Girl Scout team, the LOL Comets, for four seasons. The LOL Comets advanced to the US Open Championship in Dayton, Ohio (Climate Connections - 2009); The World Festival in Atlanta, Georgia (Smart Move – 2010); and The World Festival in St. Louis, Missouri (2011 – Body Forward). Tony was an Information Systems Manager for Unocal Corporation and Senior Vice President of Information Technology for Countrywide. He has a Business Administration degree from Cal State University, Fullerton and an MBA from Pepperdine University.

- **07/15 - 07/26, 2:00 pm to 6:00 pm: Session 3 - WARM (Writing and Reading Magic)**

Fiction is the study of what it means to be a human being. Writing, reading and sharing stories require skills that are exciting to explore and only mastered by use. Join us for a two week magical summer camp program and discover the elements of good writing. Each participant will create a 2000 -3000 (5 - 10 pages) work of fiction that is revised, polished and ready to share. We will cover character development, setting, dialogue, and point of view, to name just a few concepts. The participants will begin writing scenes with the characters they will create themselves. Critiquing skills will be introduced along with the skill of learning from each other's work. The goal is to expose participants to a positive environment where their creative writing talents can flourish. The concepts introduced might be new to participants, but they will encourage natural story telling abilities. The final goal for each participant is to produce a piece of writing that he or she can be proud of and share with the public in our reading celebration on the final day of camp. This is a life changing experience for all those who love the magic of reading and writing good stories.



#### **About WARM Camp Leader**

**Dr. Pamela R Goodfellow**, holds a doctorate in Educational Psychology and History of English Language, an MBA in Education and Business Administration, an MFA in Creative Fiction and has a B.A. in English. In the last twenty five years, she has written twelve books, edited more than 500 titles, been a publisher, a bookseller, an educator, a lecturer, and a creative content expert. Pamela designed, implemented and taught the celebrated Crafting the Character-based Novel program for twelve years at the University of Washington where she received the 1999-2000 Education Award for Teaching Excellence in Arts, Writing and Humanities. She relocated to Phoenix in 2005 where she taught and opened a production and consulting business for authors. Now located in Arcadia, California Dr. Goodfellow continues to teach and mentor both children and adults, while returning to writing her own works of fiction and non-fiction.

- **07/29 - 08/09, 2:00 pm to 6:00 pm: Session 4 - Math and Technology**

Math is the study of numbers and their relationships to each other. Math is everywhere and used for everything. Using Art, Science, computer, programming, games, movement, food and other concrete examples, participants will examine and learn about Algebra (fraction, decimal, ratios, graphing,) , Geometry (Angle, Triangle, Circle, Parallelogram and their areas, and length), and Statistics (Mean, mode, range, Probability theory, Graphing). Participants will learn to see how different concepts of math are combined in the things they encounter daily. The goal is for participants realize how much fun, relevant and ever present math is in their lives.



#### **About Math and Technology Camp Leader**

**Ms. Jaedy Galleon** is a graduate of Citrus College, and a mentor to the Science, Technology, Engineering, and Mathematics (STEM) Education Project. She specializes in Math and has had many years of experience helping upper elementary, middle and high school participants find success in all things Math, especially Pre-Algebra, Algebra 1, Geometry, Algebra 2, Trigonometry, Statistics and Calculus. The feedback from her past participants is "she is very patient and makes math concepts fun; and problems very easy to understand and solve."

- **08/12 - 08/23, 2:00 pm to 6:00 pm: Session 5 – ROKENBOK’s Engineering is Elementary**

This module introduces participants to engineering and the concept construction through an authentic, dynamic hands-on experience. ROKENBOK is an engineering play system developed by an engineer to teach construction and features a project-based curriculum designed to challenge and engage the natural curiosity and imagination of participants. They get to envision, design and test their ideas with the same advanced construction principles as those used in real life.



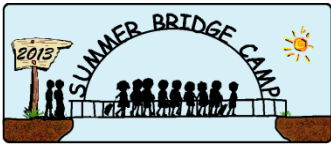
Participants will build their way to an understanding of Physics and Math, such as geometric concepts involving points, lines, planes, and space, as they construct structures and bridges; and test them for strength as they learn about other types of spans — including arch, girder, truss, and cantilever — and of the careful balance of compression and tension required.



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## 06/17 - 08/09, 8:00 am to 12 pm: Summer Bridge Program



### ARE YOU WORRIED ABOUT SUMMER LEARNING LOSS?

Our 120 hour **Summer Bridge Camp** is an extended learning program designed to improve and advance the reading, writing, and mathematical skills of participants exiting from pre-kindergarten through grade 6.

Facilitated by former school principals, our **Summer Bridge Camp** aims to keep participants learning even through the summer months by creating bridge lessons. Our lessons are intended to help advanced participants move ahead; at-level participants stay at level and give participants who have fallen behind the chance to catch up.

- **LANGUAGE**

Our literacy-rich extended curriculum and instruction engage and motivate participants while providing learning opportunities for participating participants to develop word knowledge, grammatical fluency, comprehension, and writing.

- **MATHEMATICS**

Math Summer Bridge provides a framework for participants to work within each day. Participants are encouraged to take ownership for their own learning. They are given a support system to review concepts they have learnt and develop skills in more complex concepts to build confidence and succeed in the coming school year. The summer program provides a relaxed environment with a challenging curriculum and a lot of support making the learning fun.

- **SECOND LANGUAGE**

You have spoken and we have listened, this year our program has included 4 second language classes per week. Our very experienced teachers will employ many different techniques, such as song, drama, games etc, to bring second language to life for our participants to help them to see the relevance and importance of the language.

- **FIELD TRIPS**

Field trips are planned on the second Wednesday of each session and are designed to give participants a diverse and unique learning experience.

- **ART AND COOKING CLASSES**

Our art and cooking classes are planned to further enhance and extend all the learning about things such as time, space, reactions and actions. The best part is that they also display their works of art and bring the food they cook home to share with the family!

- **NO "I" IN TEAM**

Project based lessons in which children learn to understand themselves and see the strengths of their friends, and use it in collaboration with the team to help them decide on the roles of each member of their team based on their strengths.

- **MY VIEW**

During this session, children will develop assertiveness and confidence, and learn to state their views without being confrontational or aggressive. They will also learn to see another person's point of view and understand that people have differing opinions, and that the difference does not necessarily make someone smarter, right or wrong.

- **LUNCH**

Participants can choose to order lunch (at an extra cost) or bring in their own. If packed lunch needs to be reheated, our staff members who can assist with reheating.