

music, math & science
summer
2006

instructor & developer
Kitty Rea

Creative Connections Camps

www.CreativeConnections.us

@ Harmony Road Music Center in Moss Beach

650-72-TUNES

Multicultural Math Madness

:: June 20 - 23 ::

Long before toy stores, kids around the world scrounged up sticks, pebbles or string to play fascinating games.

We follow in their footsteps to make and play ancient games of strategy, unravel the mysteries of magic squares, stun friends with mind boggling mathematical tricks, and find out if some numbers really are lucky. Even if you hate math, you'll love discovering the mysteries of triangle numbers, hearing the story of the number 1, making patterns found on the walls of Egyptians tombs, learning to count to 99 using only 10 fingers, and finding out why math was once a religion.

\$195 + \$15 materials = \$210 :: Tues-Fri 8:30-3:00

Recommended for ages: 6 and up

Music: Sounds Like Science

:: June 27 - 30 ::

What do yogurt containers, water-filled bottles, PVC pipe, Slinkys and a wire clothes hanger have in common? They're just a few of the things we'll use to investigate sound. We'll toot our handmade horns, whack Boomwhackers and play body percussion as we find the math in the music. Pythagoras discovered math to explain harmonious musical intervals. We'll test out his theories, make a model ear, and find out what a decibel is and why we care.

\$195 + \$18 material s= \$213

Tues-Fri 8:30-3:00

Recommended for ages: 7 and up

Piece It Together: Quilt Math

:: July 11 - 14 ::

Great-great-grandmother used more than a needle and thread to make her quilts. She accurately measured pattern pieces and calculated the amount of fabric required - and she understood geometry, symmetry, tiling and more. From a simple four-patch quilt to mathematically marvelous designs based on the Fibonacci sequence, we'll investigate and create patterns with pen, paper and fabric (sewing optional). We'll dig into the legend of the Underground Railroad quilt code and learn the hidden meanings of songs that did help slaves escape. Quilts of the pioneers will take us across early America as we thread our way from east to west.

\$195 + 18materials= \$213 :: Tues-Fri 8:30-3:00

Recommended for ages: 7 and up

Weaving: Sounds and Symbols

:: July 18 - 21 ::

Did you know the first computer dates back to 1801?

That's when Joseph Marie Jacquard developed a loom that used a punched card system to weave complex patterns. If you've ever made a pot holder, you know the basic over-under-over-under pattern of a plain weave. Discover how to draft a variety of patterns for simple to complex looms. Turn strips of paper into colorful art and use frame looms to experiment with fabric and tapestry techniques. We'll weave with paper, yarn and sound as we untangle the threads connecting cymbal crashes to symbols in ancient tapestries and the chemistry of natural dyes to the wonders of warp and weft.

\$195 + \$25 materials = \$220 :: Tues-Fri 8:30-3:00

Recommended for ages: 8 and up



For students
entering kindergarten:

Blast Into Math

Aug 8 - 12 :: 10am-12 noon

Give your child a jump-start on kindergarten math with this

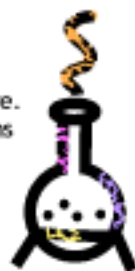
fun, four-day mini camp. We'll spend

our time playing math games, creating math art and making our own math book. No dull worksheets or drills for us. Math is part of everyday life. We'll find it

and have fun with it - using our fingers as an abacus to add and subtract, measuring whose paper rocket blasted the farthest, drumming patterns on shape drums and reading mathematical stories. For students starting

kindergarten in September.

\$65 + \$10 materials = \$75



Hot Science: Solar Energy

:: July 25 - 28 ::

Get up close and personal with our local star: the sun. Learn the myths and science associated with the power supply in our sky, and discover how eclipses and sun storms affect us. Build, decorate and race your own solar car. Find out what's going on inside the sun by listening to it "sing" thanks to helioseismology. Sip solar tea and munch solar s'mores baked in our solar oven as we learn about sun-filled songs, solar energy and basic electric circuits. Recommended for ages: 9 and up

\$195 + \$25 materials = \$220 :: Tues-Fri 8:30-3:00



⚡ All camps are Tuesday to Friday 8:30am to 3:00pm. (Exception: Blast Into Math is 10:00am-12:00 noon)

⚡ Camps are designed for mixed ages, elementary through middle school, with recommended minimum age. If your child is younger, please check before registering.

⚡ Students need a lunch with a drink, & healthy snacks for the AM & PM breaks. Wear comfortable, layered clothing for jumping, climbing & spinning indoors & out.

⚡ Please choose carefully: deposits are non-refundable & absences not replaceable.

⚡ **Cost: \$195.00 + materials.** \$50 non-refundable deposit holds your place; balance due first day of camp. (Exception: Blast Into Math: \$65 + \$10 materials)

⚡ **Register early: maximum 10 per camp.**