

# MOSAIC Courses Summer 2009

June 8-12 and August 3-7 from 9-noon

Entering (Fall 2009) Grades 4-8

## Animation Celebration (4-6 graders)

Students will learn to develop proper keyboarding skills as they create their own video games. They will produce amazing PhotoShop projects to take home and will experience fun-filled activities on the computer with new friends.

## Building and Structures

Participants will work with K'NEX, a dynamic, open-ended spatial building system, to construct buildings and structures. They will be engaged in the hands-on exploration of objects, math concepts and scientific phenomena. Students will be encouraged to apply an organized, logical strategy as they design, build and problem-solve.

## Calligraphy

In this class students will study the age-old art of hand lettering. They will learn a few different alphabets over the course of the week, as well as techniques for how to keep lines straight and how to create borders around their calligraphy. Hand lettering is an art. Calling all artists!

## Chess

Chess class will cover the moves of chess, including castling, en passant, and pawn promotion. As students master chess rules, they will learn basic checkmates, such as the two-rook mate. Students will also read and write chess using algebraic chess notation. Experienced chess players will help others learn and will also be given advanced chess puzzles to solve.

## Creative Writing

Take a journey with language and create a writer's portfolio. Discover why Ernest Hemingway spent entire career endeavoring to write the perfect sentence. This young author's course is designed to sharpen the pen through a "Show Don't Tell" writer's workshop. Students will explore their experiences through new eyes and produce multiple pieces of writing. In addition, each student will contribute his or here best final draft to a class project using Photostory 3. Looking for *passionate* writers!!

## ECO-TALK - ECO WALK - ECO LIVE

Going green – What does it mean? Can each individual REALLY make a difference? Interactive explorations and discussions lead to development of PERSONAL ACTION PLANS to preserve resources (and our planet). Learn about what happens locally, nationally and globally with regards to resources. Calling all recycle enthusiasts!!

## Engineering

Engineers are problem solvers – possessing one of the most sought after skill sets in the modern world. Enjoy building things? Enjoy solving problems? If so, then THIS is the right course. Students will use LEGO's to explore the world of engineering. They will use creativity and ingenuity to design their own solutions to problems. If a student is not sure about engineering but wants to learn more, this is a great course to take.

**For more information or to register: [register@coppellgifted.org](mailto:register@coppellgifted.org). When registering, please provide: student name, grade in fall of 2009, course choice(s) - up to two per week, and class time(s). See MOSAIC schedule to select course times appropriate for your child's grade. Early bird price per course is \$85 or \$150 for two courses taken by one participant in the same week.**

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## Money

"Money Club" provides students with the financial decision-making tools they need to create financial independence. Through challenging games, fun role-playing, unique projects, stimulating activities and group interaction, learning about money is made fun & easy.

## Puppetry

Design and create puppets, props, and sets, rehearse the play using the puppet stage, and perform a live puppet show. Creativity and excitement will flow as students are exposed to the wonderful world of puppetry! So many types of puppets and so much fun!

## Rocketry (June only)

Participants will launch their knowledge of flight by building and launching their own rockets! This is a scientific learning opportunity, meaning students will learn and build upon the instruction provided and their experiences. They will experiment with propulsion by launching and recovering their personally built rocket!

## TINspire (6-8 graders)

Students will use graphing calculators to move from application to application and see their math on graphs, in tables and in equations! Fun activities and games will be played as they learn to impress their friends, high school kids, parents and even their teachers! And better yet, research shows that learning to use graphing calculators will improve math skills and achievement (with or without the use of a calculator).

## Who's Behind the Mask?

Participants will design and construct a self-mask. These delightful expressions of each person's personality will be creatively painted and decorated. Students will develop wonderful characters based on their unique masks and perform in assorted scenes and improvisations. A hands-on dramatic experience – perfect for those who love the performing arts!

## World Music Tour (June only)

Participants will study music from a different continent every day from Africa, with tubano drums and marimbas; from Europe, Mozart and learn about orchestral sounds; Latin music, with all the different sounds from Central America, music and instruments; and finally, Eastern music, a fun look at Chinese drumming (remember Beijing 2008 Olympic Opening Ceremonies?) and more!

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