



SHINE

2008-2009

**STUDENTS HAVE INSIGHTS and NEW
EXPERIENCES**

A Program for Academically Talented Students

Recognizing the responsibility to provide challenging educational opportunities appropriate to students of all ability levels, five local Catholic Schools, through a cooperative effort, have established the SHINE program. It is designed to meet the needs of academically talented students. Students from participating schools will work together in project areas under the guidance of teachers or professionals representing the schools

FOURTH GRADE

Colorful Characters

Have you ever wondered about the men and women behind the World's most famous works of art? Come and discover the lives of Artists past and present. We will be researching their art, their lives and creating our own works in the process. Using techniques of the Experts, you will be able to create your own Masterpiece-everyone is an artist in this class!

Instructor:

Ms. Jody Dones, St. Edward School

Session 1

Horse Sense-The Thoroughbred Industry's Effect on Kentucky

When you think of what Kentucky is known for throughout the world, what comes to mind? Horses, of course! Students will explore the cultural and economic impact of the thoroughbred industry throughout history. We will research the careers involved in the thoroughbred industry and maybe do some horsing around with the animals themselves! We will walk (or gallop) away with a greater understanding of the great value and great pride The Sport of Kings brings to the Bluegrass State.

Instructors:

Kathy Geoghegan and Val Barr, St. Michael School

Session 2

FIFTH GRADE

MATH MANIA

In this hands-on, minds-on math class, you will explore geometry, logic, patterns, and problem solving while making models and solving puzzles. Sharpen your estimation skills with junk food math, improve your visualization expertise while designing new cereal box covers, and try your hand at origami. Learn about fractals, tessellations, and optical illusions.

Instructor:

Carolyn Hayden, St. Martha School

Session 1

UP, UP and AWAY

This SHINE program explores the four principles of flight: lift, drag, gravity, and thrust. Students will create different flying machines and test their flying abilities. Students will investigate Bernoulli's Law through hands-on experiments. The final activity will send you soaring! Students will work in groups to build a rocket and send it Up, Up, and Away the last day.

Instructors:

Michelle Cornwell and Mike Murphy, St. Gabriel School

Session 2

SIXTH GRADE

Inquaiitive Minds

Did you ever wonder if there really is full moon madness or why there are more right-handed people in the world than left-handed? Do twins have the same fingerprints? Why does your hair turn grey? These questions are just a few that will be answered during our SHINE session. Students will have the opportunity to research answers to questions that they have wondered about and create a game to show off their knowledge or trivia. A field trip to the Louisville Science Center will also be part of this program.

Instructors:

Shirley Day and Melissa Pennuto, St. Michael

Session 1

Robotics

Students will be challenged to design, build and program robots made with Lego Mindstorms kits. The class will face an obstacle course of tasks ranging from climbing stairs to shooting a basket. The class will study real world computers before designing their own robots.

Instructor:

Darryl Veigel, St. Edward

Session 2

SEVENTH GRADE

Art World

Carving stone, creating sculpture, working with plastercraft and clay...What could be more fun? Maybe some balsa wood foam boards! Drawing, Painting, and photography and photo-sculpture is a great way to spend your day. Using digital photography to express yourself is another way to spend part of your day. Come be apart of the fall SHINE program and spend some time with Mrs. Balbach in a wonderful ART WORLD. We'll have an ab art show on our last day in October.

Instructor:

Cathy Balbach, St. Gabriel School

Session 1

THE CITY OF LOUISVILLE

How do you pronounce the capital of Kentucky? So, I did not get you on that one. But, do you know where Muhammad Ali first learned to box? What famous song that you have sung many times was written here? Why is it called the Kentucky Derby? What restaurant introduced the cheeseburger to the world? Who was Henry Watterson, Sherman Minton, Gideon Shyrock, Mary Anderson, or Benedict Flaget? Why was there even a city established at this spot? For the answers to these and some questions people who have lived here for over 50 years may not know, join us to explore the city by the falls named after a king who lost his head.

Instructor:

Ceci Maguire, St. Martha School

Session 2

EIGHTH GRADE

“Digital Art”

Students will explore the rich avenues of Digital Art and self portraits. We will look at the ways in which we can use software programs such as Corel-Photo Paint, Adobe Photo-elements and Corel Draw to make artwork with the computer. We will get technical with a Digital Camera by learning about pixels and dpis. We will make two pieces of artwork, a project called a “Mini-Me” and a Photo Collage using layers in Photo-Paint. Students will have access to a Digital Camera, or they can bring their own.

Instructors:

Gina Priddy and Tiffany Whelan, John Paul II Academy

Session 1

PARTICIPATING SCHOOLS

St. Edward School 9610 Sue Helen Drive 267-6633

St. Gabriel School 8419 Hudson Lane 239-5535

St. Martha School 2825 Klondike Lane 491-3171

St. Michael School 12707 Taylorsville Rd. 267-6155

John Paul II Academy 3525 Goldsmith Lane 452-1712

SHINE courses will be held from 8:00AM to 2:30PM at participating schools. Parents are responsible for arranging transportation to and from program sites. Carpools among participating students from each school are encouraged. If a student is absent on a program day, parents should call the home school to report the absence. The program teacher will be notified. Students should wear their school uniform. All students may purchase lunch at the program site or may bring a sack lunch.

SHINE students have been recognized as academically gifted and have been recommended for this program. They are expected to come to each program site prepared to challenge them academically, to explore new topics, and to interact with their peers.

SHINE students are responsible for completing any assignments given by the **SHINE** teacher. They are to come prepared to each program with any supplies or materials requested by the teacher.

SHINE students are responsible for the content of the work missed in the home school. Please consult your home school regarding their individual policy on written daily work or homework assigned on these days. They will be allowed to make up any tests missed.

Session 1: October 14, 22, 27 (Grades 4, 5, 6, 7, 8)

Session 2: April 7, 16, 22 (Grades 4-7)

