

LOUISVILLE SCIENCE CENTER

sCiEnCe mAInIa!

Sunday, June 18, 2006

DESCRIPTIONS OF ACTIVITIES

IMAX® FILM- subject to change

MYSTERY OF THE NILE and/or CORAL REEF ADVENTURE - subject to change

Demonstrations

Grades PK - 3

"Stuffee" - Explore the body's organs and learn how food is used as fuel in the body. Nutritious food choices are also discussed.

"Bacteria Battles" - Learn about germs and discuss how proper hand washing can reduce their spread and keep you healthy.

Grades 4 - 5

"Light's Out"

Join us as we explore the science behind why things glow in the dark! Discover the movement of electrons and what this movement produces while exploring fluorescence, luminescence, bioluminescence, and pyrotechnics. Find out the process that chemist go through to determine what chemicals are used in fireworks.

"Follow that Drop"

Explore the steps taken during the water treatment process to make water safe to drink.

Grades 6 - 12

"Have a Heart"

Explore a dissected sheep heart to learn how blood flows through the heart and lungs.

"Start Your Engine"

Did you know that NASCAR teams all have to use the same kind of tire during a race? Physical Science plays a major role in this industry. Come join us as we explore the *driving force* behind the NASCAR industry. Velocity, speed, aerodynamics, air resistance, automobile components and designs are all part of the racing experience, so come make a Pit Stop at the Chemistry Kitchen to explore these exciting phenomena.

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Permanent Exhibitions

THE WORLD WITHIN US

In THE WORLD WITHIN US, visitors gain a deeper understanding of human anatomy, physiology, nutrition, health awareness, lifestyle choices and regional research achievements in health and life sciences.

THE WORLD WE CREATE

THE WORLD WE CREATE is a celebration of the creative thinking that makes scientific advancements possible. Touch it! Hear it! Compute it! Design it! There's no limit to what can be done in this mind-boggling display of man-made innovation. In this exhibit, enter the challenging worlds of manufacturing, transportation, chemistry, architecture, physics, engineering, communication and problem solving. A touchable tour of the wonders we make.

THE WORLD AROUND US

The goal of THE WORLD AROUND US is to gain a deeper understanding of and greater respect for the region's natural resources in surroundings that enhance curiosity, stimulate a desire to learn, and engage them in the scientific process of discovery.

The *Discovery Gallery* is an environment that promotes observation, experimentation, and curiosity. It helps visitors understand that science is a continuing conversation of new questions arising from old answers, and invites them to see that there is always more to learn.

Temporary Exhibition Gallery - To Be Determined

Temporary exhibits are hands-on interactive exhibits that range in size from 2,500 to 6,000 square feet. Temporary exhibit themes cover a broad spectrum.

KidZone

KidZone is a special hands-on area for children younger and their caregivers. Six activity areas allow children to explore the world brought down to their size. *Take Off!* features a climbing structure and airplane, *Hop On!* offers an ambulance and mass-transit bus, and *Blast Off!* features a lunar module. *Let's Build!* puts kids at the controls in a construction area. *Explore!* is a safe crawling area for infants and pre-walkers. And *Splash!* is a very popular water-play area.