

**Announcing...**  
**Head-Royce School's**  
**Institute for 21<sup>st</sup> Century Educators**  
***Summer Workshops Developed by Teachers for Teachers***  
**July 12-16, 2010**

Registration materials will be emailed to schools in early March.  
For more information: [summerinstitute@headroyce.org](mailto:summerinstitute@headroyce.org)

**Oceans Alive! (grades 2-6)**

*Monday, July 12, 2010; 10 am-3 pm (one day workshop; lunch included)*

**Presenter:** Debra Harper, Head-Royce Lower School science specialist

**Cost:** \$175

Kids love to touch slimy fish and squid tentacles and you will, too, in a day packed with hands-on science activities. Peek inside at the inner workings of a squid and learn about some of their fascinating behaviors. Find out how the type of fins, body shape and coloration of a fish can offer clues to its habitat and feeding patterns. Give your students a first hand experience in the difficulties of cleaning up oil spills using a classroom friendly beach & ocean model that you can make with a dish tub, sand and a cork. All these and more will bring your ocean or bay studies unit to life!

**Fantastic Physical Science (grades K-3)**

*Tuesday, July 13, 2010; 9 am-3 pm (one day workshop; lunch included)*

**Presenter:** Debra Harper, Head-Royce Lower School science specialist

**Cost:** \$175

Your students will feel like scientists when they explore the world of magnets, wires, light & chemistry. You'll learn to build electromagnets, simple circuits with simple parts and lots of other hands-on activities. Everyone likes to mix things together and you'll get a chance to introduce solids, liquids and gases with fun and thought provoking experiments. A whole day of great hands-on physical science for primary school teachers and the young at heart.

**SMARTboarding in the Math Classroom (grades 6-12)**

*Tuesday July 13 & Wednesday July 14, 2010; 9 am - 3 pm (two day workshop; lunch included)*

**Presenters:** Kenny Ewbank, Scott Clark and Naoko Akiyama, Head-Royce Math Department

**Cost:** \$350

This course will be directed towards novice users of the SMARTboard or teachers and administrators who want to learn more about this exciting new technology. The class will focus on introducing the hardware/software capabilities, sharing/developing sample lessons and best practices, and revealing tips and tricks, all presented by teachers who have worked with the technology for multiple years. The course will feature "hands on" activities with SMARTboards, and the opportunity to create a sample lesson plan for specific subjects and grades. We will also discuss some of the research that supports the use of the interactive whiteboard in the math classroom.

## **Techno-Multitasking Myths and Realities: How Advances in Neuroscience Have Reshaped Our Understanding of Adolescent Learning and Performance (grades 7-12)**

*Tuesday July 13 & Wednesday July 14, 2010; 9 am-3 pm (two day workshop; lunch included)*

**Presenters:** Dr. Karen Bradley, HRS History Department and Dr. Jen Brakeman, HRS Science Department Chair  
**Cost:** \$350

This two-day workshop is designed to give teachers and administrators the knowledge and practical tools they need to effect positive change in their classrooms, schools, and even homes. We will explore the effects of distracting multitasking: on performance and learning, its impact on working memory, on people's ability to solve complex problems, on the flexibility of knowledge attained under different working conditions, and on sleep and its importance to performance and learning. We will engage in hands on experiments and simulations that participants can bring back to their schools to demonstrate first-hand the effects of multitasking in action. Time will be provided to discuss real-world scenarios, brainstorm ideas and develop and role-play implementation plans to apply the newly acquired knowledge and evaluate the effectiveness of their plans.

## **Journalism Projects for the Classroom (grades 6-12)**

*Wednesday July 14 & Thursday July 15, 2010 9 am-3 pm (two day workshop; lunch included)*

**Presenter:** Andy Spear, Head-Royce English Department Chair/journalism advisor  
**Cost:** \$350

You're thinking you'd like your students to make a newspaper as a class project...or you're thinking you'd like to introduce a quick web-publishing unit that includes a newspaper-like webpage...or you've just taken over your school's newspaper, but need a brush-up on some basic tech tools – or some inspiration for your students. Over two days, we'll first brush up on journalistic basics, then tackle layout and design basics, create a printed newspaper page, explore crafting a blog-based website, and even touch on the use of multimedia forms (audio and video). We'll cover the broader topics and learn the tools together, and time will be allotted for you to work on a small project of your choosing.

## **It's Chemistry, not Magic (grades 9-12)**

*Wednesday July 14 & Thursday July 15, 2010; 9 am-3 pm (two day workshop; lunch included)*

**Presenter:** Stella Glogover, Head-Royce Science Department  
**Cost:** \$350

This two-day workshop is designed to give those teaching chemistry (at any level, although high school is the primary focus) a holistic framework on which to hang one's teaching, and one's students' understanding of the behavior of molecules. Particular care is paid to the language used in teaching, so as to avoid the use of "rules, laws and principles" that label chemical behavior, and yet do not explain it. We will concentrate on fundamental behaviors that underlie the curriculum. There are a few key concepts that are so profoundly connected to everything else that mastery of these will dramatically improve students' comprehension throughout the year. Take home ideas and materials will be provided to support you in bringing these ideas to your students. Time will be provided for assessment of one's own teaching materials, and for brainstorming on how to make them more effective.

**Diversity in Real Time: Problem Solving the Diversity Equation from Affinity Groups (Parents/Students) to Curriculum to Reconciling Diversity & Community (grades K-12)**

*Thursday July 15 & Friday, July 16, 2010; 9 am-3 pm (two day workshop; lunch included)*

**Presenters:** Suzanne Abbey, HRS Lower School Head; Carol Swainson, HRS Middle School Head; Barbara Gee, HRS Director of Diversity; Willie Adams, HRS Diversity Counselor/Dean of Student Life

**Cost:** \$350

Teachers and administrators will come away with a better tool-kit to implement diversity initiatives in your school community. You will also learn from experienced educators and special guests who have effectively advanced diversity in independent schools. Day two topics will concentrate on character education that truly reflects and compliments the mission and values of the school; teaching students greater concepts such as social justice, empathy, courage, and honesty in age appropriate ways; and exploring effective ways to integrate technology, literature, and the arts into character education programs.

**Flip for Flip Video (grades K-12)**

*Friday, July 16, 2010; 9 am-3 pm (one day workshop; lunch included)*

**Presenter:** Ray Louie, Head-Royce Director of Technology

**Cost:** \$175

Although the Flip Video camera is only one of the many brands of pocket camcorders, it is by far the easiest to use. If it's so easy, why take a class? This class will give you hands on experience in recording, saving, deleting, EDITING, posting on YouTube, writing to DVD, attaching to email, and embedding in websites. Video everything from skits, presentations, field trips, science experiments, bands, choirs, plays, assemblies, and meetings. Explore video techniques for in-camera editing, classroom assessment, and lesson delivery. All packed into a fun hands-on one day class.

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