News You Can Use. .

VISIT THE DUPAGE ROE STEM WEBSITE AT http://www.stemdupage.com



Parents - Start with These 10 Questions

Teachers seek ways to help parents better understand the science learning taking place in the classroom. Start by giving them this new handout, 10 Questions Your Kid's Science Teacher Wishes You Would Ask. Download the pdf here, or visit the NSTA Parent Portal for this and other great resources for parents.

How Children Learn Math and Science

This video provides suggestions for engaging students in inviting and empowering math and science learning environments. Learn more

Before You Lead that STEM Lesson

As the new school year starts, get ready to engage students in exciting STEM lessons and be sure to keep these five STEM lesson principles upfront and personal. http://www.middleweb.com/24152/before-you-lead-that-stem-lesson/

How Mentorships, Sponsorships Support Women in STEM

Studies suggest that science, technology, engineering and math sectors struggle to retain female employees. Some research indicates that workplace mentorships can help connect women to networking and promotion opportunities, while high-level sponsors also can help accelerate women's careers. TheNextWeb.com



Upcoming Events and Opportunities

A Comprehensive Overview of A Framework for K-12 Science Education and the Next Generation Science Standards for Elementary and Secondary Administrators Part I - September 23, 2015

For administrators in grades K-12, this is the first workshop in a two-workshop series. The second workshop is scheduled for October 6, 2015, which is specifically geared toward administrators in grades 6-12. For more information and to register: https://www.dupage.k12.il.us/register/course.php?recid=6388

Translating A Framework for K-12 Science Education and the Next Generation Science Standards into a Grade 6-12 Science Curriculum - October 6, 2015

The second workshop in the series is specifically for administrators in grades 6-12. Registrants should have attended the September 23 workshop or have a solid understanding of A Framework for K-12 Science Education and Next Generation Science Standards. For more information and to register: https://www.dupage.k12.il.us/register/course.php?recid=6389

Foundational Science Training for Teachers and Administrators Grades K-5 - October 8, 2015

Learn practical, exciting, and standards-driven science information that can be immediately used in your classroom. For more information and to register: https://www.dupage.k12.il.us/register/course.php?recid=6374

Foundational Science Training for Teachers and Administrators Grades 5-8 - October 15, 2015

Learn practical, exciting, and standards-driven science information that can be used in your Grade 5-8 classroom. For more information and to register: https://www.dupage.k12.il.us/register/course.php?recid=6375

A Comprehensive Overview of A Framework for K-12 Science Education and the Next Generation Science Standards for Elementary and Secondary Teachers - November 3, 2015

Engage in discussions and activities that truly reflect A Framework for K-12 Science Education and the NGSS three dimensional learning, with a focus on significant shifts for teachers and students and how performance expectations can be effectively reflected in the classroom. For more information and to register: https://www.dupage.k12.il.us/register/course.php?recid=6390

Resources

Back to School Items at SCARCE

Here is a sampling of items available at SCARCE: books, novels, posters, dictionaries, file folders, magazines, office supplies, craft wheels, desk organizers, math manipulatives, spiral notebooks, and more. Larger items that may still need a home include 10 6 ft. tables, 20 student desks, 4 teacher desks, 6 computer tables, 5 laptop carts, 11 round tables, 3 cabinets. Bring a teacher ID or other similar documentation. Please email SCARE for more information at info@scarce.org.

Women@NASA

Women@NASA shares the stories of 32 female astronauts, engineers, scientists, and program administrators of diverse backgrounds who represent different aspects of the agency's work. Through video interviews and articles, the women discuss their accomplishments and offer encouragement to women and girls considering technical careers. http://women.nasa.gov/

National Science Foundation Grants

Advancing Informal STEM Learning (AISL) - deadline November 4

Innovative Technology Experiences for Students and Teachers (ITEST) - deadline November 13

Also learn more about the National Science Foundation's Discovery Research (DR) K-12 program and solicitation at one of the three webinars free and open to the public this fall. The DR K-12 program supports projects that develop and study resources, models, and technologies for STEM education.

NAE Launches LinkEngineering

The National Academy of Engineering has launched LinkEngineering, a dynamic new website designed to support implementation of preK-12 engineering education. At LinkEngineering, teachers, teacher educators, and school/district administrators will find tons of resources on the big ideas in engineering education and can connect with other educators to get feedback and share ideas.

Try Science!

Experience the excitement of contemporary science and technology through on and offline interactivity with science and technology centers worldwide. http://tryscience.org/

Bill Nye the Science Guy

Online science activities for all ages. www.billnye.com

Environmental Kids Club

Help elementary students learn about the environment and how to protect it through projects, art, games and more! http://www2.epa.gov/students

Northrop Grumman Foundation - Excellence in Engineering Education Award

One award will be presented to a K-12 public school science/technology teacher in recognition of excellence in engineering science. Apply by November 30. For more information, contact Amanda Upton, NSTA Awards and Recognition Program liaison, at 703.312.9217 or awards@nsta.org, or apply online http://www.nsta.org/about/awards.aspx#list.

Visit with Prominent Historical Figures

Multi-media programs that provide students the opportunity to interact with Sally Ride, STEM role model, astronaut, and scientist. Lessons and presentations are aligned with NILS - Science (NGSS) and other Illinois Learning Standards. http://www.historicalperspectives.net/

