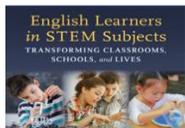


VISIT THE DUPAGE ROE STEM WEBSITE AT <http://stemdupage.com/>



English Learners in STEM Subjects; Transforming Classrooms, Schools and Lives

A [new report](#) from The National Academies of Sciences, Engineering, and Medicine examines the research on English Learners' learning, teaching, and assessment in STEM subjects and provides guidance on how to improve learning outcomes in STEM for these students.



Transforming Science Assessment: Systems for Innovation

Achieve recently released [resources](#) for state education leaders that also will be useful to other science leaders. The series provides information about how states pursue statewide assessments and analyze the features that influence various approaches.



STEM Worker Shortage

A Missouri-based technology and engineering company survey indicates about 40% of American believe the STEM worker shortage is at a crisis level. The survey results also report that current students are more likely to pursue a STEM field than their parents. [Read more.](#)

Upcoming Events and Opportunities

Assessment and the NGSS: How to Assess Three-dimensional Learning - January 29, 2019

Science will soon be considered as one of the school scoring factors for the state report card. Don't delay obtaining insights as to what you can do to support your students in the application of three-dimensional, NGSS-aligned assessment principles. [Register here.](#)

Upcoming Math Focused Workshops - February 19, 2019

The ROE is hosting two half-day workshops designed for math educators and evaluators. Enroll in one or both! Presenters from the National Council of Supervisors of Mathematics will facilitate the sessions.

1. **Equity and Social Justice in the Mathematics Classroom (8:00 - 11:00 am).** Participants will learn strategies that will ensure high expectations and meaningful learning for all students. Click [here.](#)
2. **Observation and Evaluation in the Mathematics Classroom (12:00 - 3:00 pm).** Math educators and evaluators of math educators will explore and better define what meaningful instruction looks and feels like in the math classroom. Click [here.](#)

Model Water Tower Competition - February 23 - Westmont Junior High

Enter your team! Interested schools [register](#) for the competition and provide your students with a great experience. Check the [website](#) for details and news about the State Competition to be held in April 2019.

The 2019 EngineerGirl Writing Contest Is Open!

This year's topic is "Stories Engineered to Inspire." Students may submit works of creative fiction that celebrate engineering design and problem solving. [Detailed instructions now available.](#) Submissions due February 1, 2019.

Resources

Hour of Code - Continued. . .

The official "hour of code" has passed but don't miss the opportunity to explore and improve coding work with your students. Check out these resources: <https://hourofcode.com/us/learn>; <https://code.org/>; <https://csedweek.org/educate/hoc>; <https://www.khanacademy.org/hourofcode>; <https://www.eschoolnews.com/2017/12/04/hour-code-activities-love/> (scroll down the page)

Design Squad Global - Going Green

Get students thinking about engineering and environmental sustainability and solve environmental problems with engineering. Design Squad has club guidelines. [Six-week](#) and [twelve-week](#) program guides, along with club leader [training videos.](#)

Try Engineering Together

Explore this [safe, innovative way](#) to provide life-changing experiences to direct students toward a STEM path.