



For teachers who use technology... [the classroom] environment extends into the virtual world.

- Eric Carbaugh and Kristina Doubet



What's New at the STEM Center?

**New STEM Center
Co-Director,
Kristina Doubet**



Kristina is a professor in the College of Education's department of Middle, Secondary, and Mathematics Instruction. She teaches courses in differentiation and assessment, with a focus on using technology as a tool to enhance both. Her partnerships with schools both in Virginia and across the nation help her keep her finger on the pulse of what is happening in today's classrooms. She looks forward to working with the STEM community in Virginia and to fostering connections that will help enrich classroom instruction for students across the Commonwealth. You can keep up with Kristina on Twitter (@kjdoublet) and at her website, www.KristinaDoubet.com.

Establishing Classroom Routines for Technology

Few would argue with the importance of establishing classroom expectations and routines as the school year begins. Have you considered explicitly including **technology use** in these routines? In this online article, Kristina and JMU colleague, Eric Carbaugh, give practical suggestions for setting the tone for technology use and online communication - both at home and at school.

<http://tinyurl.com/TechTone>

Upcoming Events

STEM Center Breakfast
September 21, 2017
8:30am - 10:30am
Location: nTelos Room

Please RSVP at <http://bit.ly/stem0921>

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Additional Resources for Digital Learning, Flipped Instruction, and More



“Teaching - either in a regular or a flipped environment - means **facilitating students’ interaction with content rather than just presenting content.**” ~Doubet and Carbaugh

Survey the hallmarks of Flipped instruction in this post: “‘Flipped Learning’ Does Not Just Mean ‘Posting Videos.’” *Ed Week’s Classroom Q&A*. (2017). <http://tinyurl.com/RealFlip>

“The true value of a web app or tool lies in how robustly it facilitates student learning - and if it does so more efficiently than do traditional “paper/pencil” methods.” ~Doubet and Carbaugh

Learn more about the use of the web tool, Padlet, in this post: “Tech Tools Can Facilitate Learning in Powerful Ways.” *Ed Week’s Classroom Q&A* (2016). <http://tinyurl.com/powertechtool>

“Using formative assessment—and providing feedback flowing from its results—is the key to ensuring success for all students. These five tools help teachers gauge student progress at all stages of the instructional cycle.” ~Carbaugh and Doubet

Explore valuable tools to discover students learning needs in this post: “Five Tech Tools for Monitoring Student Understanding.” *Corwin Connect* (2016). <http://tinyurl.com/techtools5>

“By capitalizing on the flexibility of mobile devices, teachers can help students with varying needs progress in their learning while engaging and challenging the classroom as a whole.” ~Doubet and Carbaugh

Investigate how technology can be used as a tool to differentiate instruction in order to meet a variety of student needs in this article: “Differentiation using mobile technology tools.” *ASCD Express*, 10 (17): <http://tinyurl.com/DI-DigitalTools>



What is the Center for STEM Education and Outreach

The Center for STEM Education and Outreach (STEM Center) – in partnership with university faculty, staff, and students – develops engaging educational experience for K-12 educators and students that focus on changing the conversation about STEM disciplines.

Experiences are crafted to be meaningful and relevant to student outcomes and interests while fostering a sense of curiosity about science, technology, engineering, and math. These sessions could occur in a classroom, laboratory, design studio, field study or within any setting that cultivate a nurturing environment. Implementing STEM Center educational experiences within supportive local environments builds connections that strengthen collaboration between the university community and its local partners, building teacher autonomy and student success in the process.

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