



Champlain Valley Educator Development Center

Collaborative Professional Learning to Support Vermont Schools

Introduction to STEM in the Classroom

Instructors: Colleen Williams and Justin Marriott

Hybrid Course (with online hours)

Target Audience: Grades K-8 Teachers

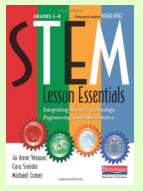
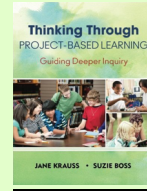
This course will focus on developing a deep understanding of current practices for integrating learning across Science, Technology, Engineering and Math. It will focus on integrating NGSS, CCSS and ISTE national learning standards and will increase collaboration for students as well as educators through intentional lesson planning—seamlessly integrating STEM. As an introduction to STEM teaching & learning, participants will address STEM pedagogy, the integration of STEM, formative assessments and project-based and problem-based instruction and learning.

The collaborative learning model will incorporate in-person and online opportunities. Students will learn about Makerspaces and how to connect them to STEM, including Genius Hour and other design models. There is a final project that will incorporate new learning. A full syllabus is available online.

About our instructors:

Colleen Williams has a Masters in Education, Curriculum and Instruction from UVM and works in the Essex Town School District as a Technology Integration Specialist. She has taught through Castleton and St. Michael's and has presented at Dynamic Landscapes, Vermont Fest and Google Summit.

Justin Marriott is also a graduate of UVM with an M.Ed in Curriculum Instruction and Educational Technology. He is currently teaching 5th grade in Essex Town School District and has presented at Vita-Learn workshops and has taught district courses in Integrating technology.



Dates:

Oct. 8 – Dec. 8, 2016

Face to face hours

Sat. 10/8

Thurs. 10/20, 11/3,

11/17, 12/8

plus online hours

Hours:

Sat. 8-3 pm

Thurs. 4-7 pm

Location:

Founders Memorial

Essex Jct. VT

Cost:

\$1100 Members

\$1200 Non Members

(includes 3 St. Mike's
grad credits and books)

STEM Lesson Essentials,

Grades 3-8: Integrating

Science, Technology,

Engineering, and

Mathematics.

AND

Thinking through

Project-based Learning:

Guiding Deeper Inquiry.

To Register: www.cvedcvt.org

Questions? info@cvedcvt.org

Or call: 802-497-1642



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Grand Isle and Franklin Counties
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