

Concurrent Sessions II

1:45-3:00

Discipline-Specific Options

ACAD - College Success Tips

TC3's Learning Strategies Specialist, Rick Grossman, will share some simple strategies for teaching text reading, study skills, and note-taking, in any course. ACAD instructors, as well as instructors in most disciplines, should find these strategies worthwhile.

BIOL/BIOT - Genomic Approaches and Use of Bioinformatics in the Biosciences - Part 2

Several models will be presented for your adaptation to the classroom/lab setting that will bring your students up to speed on applied science in the 21st century workplace. All lab exercises can be incorporated into the classroom or lab and tie in PCR and searching DNA databases for information. Content comes from AP and the Council on Undergraduate Research.

- "Bar Coding" (plant or animal) for identifying and establishing phylogenetic trees of the species right outside your door.
- "Genetic Analysis for PTC Testing" exemplifies dominant/recessive inheritance and application of the Hardy-Weinberg Law. Is your class or school in equilibrium?
- "RNAi in the *C. elegans* Model" allows you to create your own knockout mutants by employing interfering RNA. It's so easy, even a PhD can do it!

This is the second part in a two-part workshop. Participants should also sign up for the BIOL workshop in Concurrent Session I.

BUAD - Delivering Dynamic Lessons in the 21st Century Business Classroom

Faculty liaison, Butch Westlake, will use the new presentation software, Prezi, to demonstrate and stimulate a discussion of how teachers can teach 21st Century lessons in a variety of business courses. Butch will also highlight the value of YouTube as a classroom tool. This discussion-oriented workshop will illustrate various fundamental business principles. Teachers will see how to use technology, not only to create, but to show the power of creative student-teacher collaboration.

CAPS152-154/Web Design - HTML 5 / XHTML 1 and Coding Environments

We will be discussing the version of HTML taught in the TC3 classroom and looking at acceptable programming environments.

- HTML 5 – XHTML 1
- Document type descriptions
- HTML and CSS validators
- Acceptable programs for source code generation
- Discussion of student projects and case studies
- World Wide Web Consortium
- A discussion of JavaScript libraries

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Discipline-Specific Options (cont)

DRAF - CAD Connection

An opportunity for teachers using diverse CAD technologies to share the pros and cons of the technologies they use. Teachers will also share what works best in describing difficult conceptual issues. Please bring a favorite lesson/unit, any textbooks you use, an example of a final exam/project, plus anything else that you represents areas you would like to discuss.

ECON - Our National Debt and Its Implications

Faculty liaison, Tim McCabe, will talk about the national debt, focusing on how the country got into the current situation and what happens next. In addition to discussing the national debt and its fit within the ECON curriculum, Tim will review the outline that he uses for each of his ECON courses. Please bring your course outlines to share, discuss, and compare.

ENGL - The Transition from High School to College

Every year we at TC3 see students struggle with the transition from high school to college. We would like to discuss this with our concurrent enrollment colleagues. Specifically, we are interested in input about the set of expectations, habits, etc. that students bring with them and hope for suggestions on how best to effectively communicate with incoming students about the new college environment.

FREN - Teaching Literature and Art Within the French Curriculum

We will discuss ways to incorporate literature so students can see and practice more advanced grammar in context. We will also explore ways to introduce students to the art of the cultures they are studying. We will also discuss TC3's course numbering and alignment to the HS curriculum.

PHSC - Best Practices in Physics

We will share best practices in the teaching of physics. In particular, we will focus on hard to understand/difficult to teach topics. Please bring ideas and materials to share. A computer with projector and document reader will be available.

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General Interest Options

College Success Tips

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Integrating Media Literacy and Critical Thinking into the Curriculum

As a follow-up to his keynote, Chris Sperry will introduce methodologies and materials developed by *Project Look Sharp* for engaging all students in complex and constructivist media decoding while teaching core content knowledge. Free online materials will be modeled for integration into high school and college level humanities, math, and science curricula.