Kansas Mathematical Association of Two-Year Colleges

Spring Conference . . . March 7, 2015

Wichita Area Technical College, Wichita, KS

Program

8:30 – 9:00 Registration and Light Snacks

9:00 – 9:15 Welcome and Introductions

Sarah Jackson, KAMATYC President, Pratt Community College

Tara Canfield-Weber, Associate Dean of General Education, WATC

9:15 – 10:00 ***Using Accelerated Review in Mathematics Courses***

Justin Dunham, Johnson County Community College

Since 2011, JCCC has offered a limited selection of Mathematics sections under the "Accelerated Review Course" title. These courses spend the first two weeks of a semester allowing students to choose their path: to review material from their previous course in preparation for the upcoming one, or to try and advance past their current course to the next one, based on their performance during those two weeks. Since then, a number of tweaks have been implemented, but the overriding question remains: does the ARC program at JCCC have a significant impact on student outcomes?

10:05-10:50 ***Successful Minority Pedagogy / Andragogy in Mathematics & Statistics: A Discussion on Best Practices***

Dr. Alan Dsouza, Cowley County Community College, Wichita State University

Contemporary research stipulates a big gap of achievement in and among minorities in Math, and a lack of trained Math teachers who can effectively teach a diverse group of students. This presentation seeks to examine the best practices of teaching math to minority students in the US and Japan through two case studies (2014) and tries to synchronize Moses' Five-Step Approach (2001) with the tenets of andragogy with these best practices

10:50 – 11:05 Break

11:05-11:25 ***Student Success in Mathematics***

Kevin Doherty, Pearson Education Math & Science Course Consultant

Debbie Sewade, Learning Tech. Specialist with Pearson Math & Science

Our greater mission is to help improve people's lives through learning. That's what do at Pearson – and that's what MyMathLab has always been about. Each year we make multiple upgrades – based on the feedback we receive from instructors (like you!) and students. So today, part of what we'd like to do is show you some of the innovations we've developed. Our goal in all of this is to make sure you and your students are getting the most out of MyMathLab, with a focus on Readiness, Motivation, Concepts and Skills Development, Personalized Learning, Data & Analytics.

11:30-12:15 ***AMATYC's Best Kept Secrets***

Jane Tanner, President-Elect of AMATYC

AMATYC's website www.amatyc.org has a wealth of information on it – including professional development, classroom activities, affiliate information, and just great general knowledge. Find out something that you can use in your classroom, learn something that will make you a better teacher, and just have plain fun while you investigate www.amatyc.org.

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12:15 – 1:15 Lunch

1:15-1:35 ***PACER Math at WATC: The Trials and Tribulations of a 3-in-1 Developmental Math Project***

Shelby Jansen, Wichita Area Technical College

PACER Mathematics at Wichita Area Technical College is a fixed-emporium style course designed to foster student success through cultivating students' self-confidence, self-management, and by encouraging a positive attitude. PACER Mathematics courses are designed so that students are able to self-accelerate through the developmental math curriculum while mastering the concepts needed to be successful in College Algebra. The PACER courses are currently being piloted at WATC with full implementation in fall 2015. The Lead Faculty for Mathematics at WATC will share the process used to develop the course, the hurdles and "backdoor" logistics that had to be addressed, and most importantly the student data.

1:40-2:50 ***Go-To-Meeting: an alternative to face-to-face instruction***

Brian Howe, Barton Community College

Go-To-Meeting or other web-conferencing apps have great potential in meeting the needs of students. For example, if a student is sick, they could log into your class session through GTM and participate in class. Come hear how a mathematics instructor is incorporating GTM as an instructional tool.

Barton ACEmath

Brian Howe, Barton Community College

Barton has redesigned their developmental math curriculum and is seeing results in student success, reducing the time in developmental coursework, and retention within the sequence. This presentation will give a quick overview of our program, data, and (hopefully) a video where you can hear from our students. http://bartonccc.edu/academicprograms/developmentaled/ace.

2:50 – 3:00 Break

3:00 – 3:45 ***Constructing a Logarithm***

Steve Wilson, Johnson County Community College

Geometry was supreme in ancient mathematics, and numbers were typically understood as lengths to be constructed. The Euclidean tools of compass and straightedge can be used to construct all of the rational numbers (and some others), but many irrational numbers are not attainable. Adding a tool to the mix will sometimes permit additional values to be constructed. The presenter will show how to use a hanging chain (which generates a catenary curve) to construct logarithms of numbers.

3:50 – 4:30 KAMATYC Business Meeting