SUE GLASCOE

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Website: http://www.tech4mathed.com/
Technology In Education Blog: http://www.tech4mathed.com/blog/
Flash Animated Tutorials built:
http://www.tech4mathed.com/arithmetic/arithmeticindex.htm
Livescribe Pencasts created: Featured contributor link

EDUCATION

Masters of Arts in Teaching Mathematics, M.A.T. (I traded most MAT math classes for MS math classes)
Northern Arizona University, Flagstaff, Arizona
Graduated: August 1991

Bachelors of Arts in (Secondary) Education, B.A.E., Major in Mathematics, Minor in Science
Arizona State University, Tempe, Arizona
Graduated: December 1986

EMPLOYMENT HISTORY

Mesa Community College: (AZ) 1997-present; Full-Time Faculty member, Mathematics
Blue Mountain Community College: (OR) 1992-1997; Full-Time Faculty member, Mathematics
Northern Arizona University: (AZ) 1990-1991; Graduate Assistant in Mathematics
Oak Creek Ranch School: (AZ) 1987-1990; Math Department Chair (Alternative Private High School)

COURSES TAUGHT

Math for Elementary Teachers (I) -MCC
Math for Elementary Teachers (II)- MCC
Intermediate Algebra (reg. and Hybrid)-MCC
Beginning Algebra (reg. and Hybrid) - MCC
Basic Math(Arithmetic)-MCC
College Mathematics- MCC
Brief Calculus- MCC, BMCC
College Algebra-MCC, BMCC
Trigonometry-BMCC
College Geometry-BMCC
Graphing Calculator course-BMCC

PRESENTATIONS AND HANDS-ON WORKSHOPS

* ICTCM workshop in Mar 2011 on Livescribe, Mobi, Jing
ATLAST workshop Oct 2010 on Livescribe and Mobi at SCC
ACTEAZ workshop July 2010 on Livescribe pen, Mobi (Tucson)
Livescribe workshop for MCC President's office at MCC July 2010
Co-presented at ISTE 2010 with President of Livescribe (June '10)
Maricopa Tech May 2010 presentation on Livescribe pen at MCC

PUBLISHED WORKS

Written article for Community College Week (Fall 2010 edition)
Online article for OurBlook.com (The Future of Education)
Online articles for Livescribe Education Blog (4 articles to date)

SKILLS AND FOCUS

I have been teaching mathematics for over 25 years and have several areas in which I have gained a considerable amount of experience. My main areas of focus are teaching current and future educators, hybrid/blended developmental math classes, along with using technology to teach both inside and outside the classroom. I have served on many textbook and curriculum committees, which has helped me to see the variety of materials available and compare which approaches work best for my students. I have always loved technology, and I have a strong desire to learn new technologies that will help my students. I now teach with the eInstruction Mobi and Interwrite Workspace software in all of my classes. I have been teaching myself Adobe CS4 (Flash, Fireworks and DreamWeaver) and have built over 50 animated Flash tutorials for my "Math For Elementary Teachers" course, along with two websites to house them (one for the actual course, and the other so any students and teachers can access the tutorials). In the past two years I started creating online examples using a Livescribe Pulse Smart Pen, a Lumens document camera, the recording feature on the Interwrite Workspace software, and Camtasia Studio. Creating tutorials for my students to use outside of class has become a strong area of interest and I have a great desire to further pursue designing, creating and implementing animated and video tutorials for all math courses.

HONORARY TITLES/AWARDS

Livescribe Education Advisory Board member (March 2011 – present)
AMATYC Project ACCCESS Consulting Colleague (mentor) (Dec 2010 – present)
National Certified Instructor for eInstruction (May 2010 – present)
Phi Theta Kappa Honor Society Student Mentor (Awarded Spring 2010)

PROFESSIONAL ORGANIZATION MEMBERSHIPS
AMATYC, ArizMATYC, AMTE, ISTE, AZtea, NCTM

GRANTS AND PROJECTS AWARDED AT MCC TO CREATE COURSE MATERIALS AND TUTORIALS

Summer 2010, I was part of a team that was **redesigning** our **Developmental Math course**. We had been awarded Student Success Grant funds to create workshops, which include hands-on activities, along with a technology component, rather than a standard lecture course. I was lead person for the technology component, which allowed me to pursue different technologies I believed would be useful for the workshops. I created Flash animated tutorials that are visual components for most of the workshops. I wrote a grant and was successful in obtaining a considerable amount of technology for the new classrooms. http://www.mesacc.edu/dept/d25/mat082/

In 2008 I was awarded a third **Kaleidoscope project**, for my Intermediate Algebra course. (Faculty can be awarded release time from several classes over the course of a year to work on new ideas for a specific course.) My goal for this project was to learn to use and implement online tools available for Intermediate Algebra, such as MyMathLab (Course Compass), and to create an Algebra website along with animated tutorials on topics that my students had more difficulty with. It was very exciting to see my students doing more homework and achieving higher scores on tests through the added use of internet-based technology for my in-class courses. In the Fall of 2009, the course was turned into a complete hybrid, meeting in-class only 4 days a week and requiring more work to be done online and outside of class time. Sample online Module:
http://tech4mathed.com/MAT120/MAT120modules/Module%2011/Module13.3Day1.html

Summer 2006, I was awarded a **grant** to continue **creating Flash animated tutorials** for my Math for Elementary Teachers course. http://tech4mathed.com/arithmetic/arithmeticindex.htm

In 2005, I was awarded a second **Kaleidoscope project** for the Math for Elementary Teachers courses. My goal was to create animated tutorials for my students to use, based on my teaching objectives. I wanted these tutorials to be available through the internet, so I took the first 6 months to learn Dreamweaver, Fireworks and Flash (with a lot of help from our Center for Teaching and Learning – a place for Faculty members to learn new things) and used the second 6 months to design and create two new websites using Dreamweaver, and many graphics and navigation pages using Fireworks. I started creating a few animated tutorials using Flash, near the end of that year. Although it was difficult at first, learning the software and creating the tutorials was extremely interesting to me. It has since become a strong passion of mine to create websites and animated tutorials to help my math students. http://www.tech4mathed.com/Collegeindex.html

In 2003, I was given my first **Kaleidoscope project**. I had just started teaching Math for Elementary Teachers, but had no experience with the course or Elementary Education. I was given release time and used that time to go out into local elementary schools to observe teachers teaching math to K-6th grade students. I was able to participate in the classrooms and gather great ideas from fantastic elementary teachers. I used these ideas to create many projects for my own students to use in my classes. I also used this experience to create the second semester course: Math for Elementary Teachers II. I created the course content, along with all of the projects that are currently used in that course; many are technology-based projects using Geometer's Sketchpad and Excel.

In 2001, I was part of a team of people who created the **Virtual Math Resource Center website** for our math department. I was active in designing the overall look and layout, along with several individual pages, specifically the pages that contained teacher materials created by MCC math faculty. I also helped create the objectives for Intermediate Algebra, and found links to helpful sites for each objective. (The site is now outdated due to a lack of continued funding for the project. The server was moved and the links no longer work)

In 2000, I used a summer grant to **write a series of graphing calculator tutorials** for Brief Calculus classes. The tutorials teach evaluating expressions, solving equations and running linear regressions on the TI-82, TI-83, TI-85 and TI-86 calculators. http://www.tech4mathed.com/graphing_calc/glascoecalcfront.htm
Most Brief Calculus instructors at MCC currently use these materials as part of their course introduction to the graphing calculator. They are also used in our Graphing Calculator course and many other courses where instructors have needed to introduce the graphing calculator to their students.