

## SUE GLASCOE

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**Websites:** <http://www.tech4mathed.com/>  
<http://www.ondemandcurriculum.com>

**Technology In Education Blog:** <http://www.tech4mathed.com/blog/>

**YouTube Channel:** [Tech4MathEd](http://www.youtube.com/Tech4MathEd)

### 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

On Demand Curriculum: (online) June 2015 – present; Founder/President (personalized lessons developer/creator)  
North Star Bridge Project (online) 2009 – present; President and co-founder of non-profit to help college students  
Consulting for Mighty Play: (online – through Cengage): Feb 2015 – present; SME/content author, as needed  
Consulting for McGraw Hill Higher Ed: (online) started 2013 – present; video, SME/content author, as needed  
Consulting for Pearson Higher Ed: (online) 2007 – present; video, PPT creation, workbook author, as needed

Mesa Community College: (AZ) 1997-2015; 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 (F2F, Hybrid)-MCC  
Beginning Algebra (F2F, online, Hybrid) - MCC  
Basic Math(F2F, online)-MCC  
College Mathematics- MCC  
Brief Calculus- MCC, BMCC  
College Algebra-MCC, BMCC  
Trigonometry-BMCC  
College Geometry-BMCC  
Graphing Calculator course-BMCC

### PUBLISHED WORKS

Created online videos for Pearson Higher Ed  
(Miller, Harshbarger, Billstein, Bittenger, etc...textbooks)  
Created PPTs for Pearson Higher Ed (Trigsted series)  
Authored Workbook for Pearson (Tobey/Slater)  
Created online videos for McGraw Hill (Messersmith)  
Subject Matter Expert and content author for McGraw Hill  
  
Written article for Community College Week  
Online article for OurBlook.com (The Future of Education)  
Online articles for [Livescribe Education Blog](http://www.livescribe.com/education)

### PRESENTATIONS AND HANDS-ON WORKSHOPS

Workshop on using Doceri Dec 2014 (Mesa Community College)  
ICTCM 2014 – iPad and flipped teaching  
ISTE 2012 – Livescribe presentation  
eInstruction Sales Team – May 2012 – presentation on using the Mobi  
ICTCM – 2012 hands-on workshop on Livescribe and Mobi technologies  
Future Teachers of Arizona – March 2012 – Implementing Technology in Teaching  
Classroom 2.0 December 2011 – online webinar on the Livescribe smartpen  
MCC CTL November 2011 - presentation on Livescribe smartpen  
Phoenix College November 2011 – Hands-on Livescribe workshop  
SDCUE 2011 Hands-on workshop for Livescribe smartpens  
ISTE 2011 Co-present with other Livescribe educators

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

## **SKILLS AND FOCUS**

I retired from teaching full-time May 2015 to focus on starting a new company, On Demand Curriculum, where I will be creating personalized lessons and tutorials based on individual needs and learning styles. I taught mathematics full-time for 29 years, and have several areas in which I gained a considerable amount of experience. My main areas of focus most recently were teaching developmental math, creating and teaching hybrid, blended, web-enhanced, flipped and online classes, using technology to teach inside and outside the classroom. I have always loved technology, and I have a strong desire to learn new technologies that will help students. I used the eInstruction (now TurningTechnologies) Mobi for many years to teach with, as well as clickers, a document camera and an iPad. I have been learning Adobe Creative Suite (Flash, Fireworks and DreamWeaver, Photoshop, and InDesign) 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 other students and teachers can access the tutorials). For the past 6 years, I have been creating online examples using a Livescribe Echo SmartPen, a Lumens document camera, Interwrite Workspace software, an iPad, and Camtasia Studio. This past year I focused on using Docreri on an iPad to create math animations. Creating tutorials for 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 animations and video tutorials for all math courses through my new venture, On Demand Curriculum.

I created my own website several years ago for promoting educational technology consulting and writing an educational technology blog at [www.tech4mathed.com](http://www.tech4mathed.com). I have taught many hands-on workshops across the US to teachers on how to use technology to enhance teaching and learning. I would love to do more of this type of work.

I have been on several curriculum committees, and have written objectives and materials for many courses at Mesa Community College, along with writing objectives and curriculum for several major textbook companies.

I have authored, recorded, edited and produced over 1000 professional videos using Camtasia Studio, along with hundreds of Power Point Slides, for Pearson and McGraw Hill Higher Education companies. The videos and PPTs were associated with Developmental Math, Math For Elementary Teachers, College Math, Finite Math, and Calculus textbooks. I have worked as an author to create online interactive learning materials for McGraw Hill Higher Education and Mighty Play (through Cengage) for Algebra courses.

I am proficient at using all Office products, Camtasia studio, SnagIt, Hyperstudio 5.0, Flash, Photoshop, DreamWeaver, InDesign, Acrobat Pro, and Fireworks, along with many different technologies used for teaching and learning. I am comfortable using both a Mac and/or Windows environment.  
I have taken training in the past year on making sure online media is accessible for blind and deaf students.

Please visit [www.tech4mathed.com](http://www.tech4mathed.com) to see samples of my work, along with more information about my experience.

## **HONORARY TITLES/AWARDS**

Adobe Campus Leader (May 2014 – May 2015)  
Livescribe Educational Advisory Board member (April 2011- 2013)  
AMATYC Project ACCESS Consulting Colleague (mentor) (Dec 2010 – present)  
National Certified Instructor for eInstruction (May 2010 – 2012)  
Phi Theta Kappa Honor Society Student Mentor (Spring 2010- 2015)

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

Summer 2010: I was part of a team that **redesigned** 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.

2008: I was awarded a third **Kaleidoscope project**, for my Intermediate Algebra 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. A sample online Module can be found [here](#):

Summer 2006: I was awarded a **grant** to continue **creating Flash animated tutorials** for my Math for Elementary Teachers course. My work can be found [here](#).

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 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/arithmetic/arithmeticindex.htm>

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-6<sup>th</sup> 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.

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.

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. 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.