

BROOKE M. McFRY

PROFESSIONAL OBJECTIVE

Instructional Leadership

EDUCATION

Master of Science in Education – Major: Elementary Education (K-6) – December, 2005

Jacksonville State University, Jacksonville, Alabama

Bachelor of Arts Degree – Major: Biology – May, 1992

Agnes Scott College, Decatur, Georgia

EDUCATIONAL EMPLOYMENT SUMMARY

Fourth Grade Math Teacher, Saks Elementary, Anniston, AL 8/2014 – present

Third Grade Team Teacher (Math, Sci. & Soc. St.), Saks Elementary, Anniston, AL 8/2013 – 5/2014

Third Grade Teacher (self-contained), Saks Elementary, Anniston, AL 8/2007 – 5/2013

Fourth Grade Teacher (self-contained), Alexandria Elementary, Alexandria, AL 8/2005 – 5/2007

Kids 1st Director, First United Methodist Church, Jacksonville, AL 10/2003 – 7/2005

Director of Children's Ministries, First United Methodist Church, Jacksonville, AL 6/2002 – 10/2003

OTHER EMPLOYMENT SUMMARY

Phlebotomist, Laboratory Corporation of Alabama, Anniston, AL 12/1993 – 12/1995

Responsible for blood, urine, & other biological specimen collections & handling for outpatient clinic.

Phlebotomist, Stringfellow Memorial Hospital, Anniston, AL 10/1992 – 12/1993

Responsible for blood, urine, and other biological specimen collections and handling for hospital.

Laboratory Assistant, Agnes Scott College, Decatur, GA 8/1989 – 5/1992

Responsible for laboratory preparations for Cell and Developmental Biology station preps, chemical preparations, specimen collections, and inventory. Responsible for microscope care and inventory, care for fresh & salt water habitats for zebra danio & sea urchin specimens, and other duties as needed.

CERTIFICATIONS & QUALIFICATIONS

Alabama Class A – Elementary (76A) Grades K-6

Alabama Class B – Middle School (078) Grades 4-8: Mathematics (015), General Science (021)

National Board of Professional Teaching Standards – Middle Childhood Generalist

Highly Qualified Teacher – Elementary – Core Academic Subjects, Including Reading, Grades K-6

Highly Qualified Teacher – Middle/Secondary – General Science & Math (4-8), Reading (7-12)

AMSTI Teacher and Trainer – Math and Science – Third Grade, Years 1 and 2 (trainer for math only)

AMSTI Teacher – Science – Fourth Grade, Year 1

PRESENTER / TRAINER

- Trainer, *Quizlet & Kakooma in the Classroom* – Saks Elementary School In-Service – 1/16/2015
- Host, *Common Core Math Parent Seminar* – a 4th Grade Perspective at Saks Elementary – 10/16/2014
- Co-Presenter, *Making Every Minute Matter* – CCBOE Technology Department – 6/19/2014
- Co-Presenter, *Maintaining Success While Losing Control* – JSU In-Service – 6/17/2014
- Co-Presenter, *The Drive for Collaboration: Two Teachers, One Purpose* – CORE Academy 6/03/2014
- Co-Presenter, *The Leader in Me / Seven Habits of Happy Kids* – Saks Elem. In-Service – 1/02/2013
- Host, Saks Elementary School Math / Science Night – 11/01/2013
- Trainer, AMSTI Year 2 Third Grade Math – JSU Summer Institute – 2012
- Presenter, AMSTI Math for Calhoun County Special Education Teachers – 2/28/2012
- Co-Presenter, Journaling in Math (with S. Flummer) – JSU in-service – Oxford, AL – 03/21/2008
- Trainer, AMSTI Third Grade Math, Years 1 and 2 – JSU Summer Institute – 2008

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COMPUTER SKILLS

Fluently use several computer based programs for instructional and personal purposes:

- Microsoft Word, Excel, & PowerPoint; Google Drive, Docs, Sheets, Slides, Forms, & Calendar; Nearpod, Quizlet, Exam View, etc. – generate assessments with graphics, handouts, fliers, letters, visual / audio presentations, data analysis spreadsheets, budget-planning spreadsheets with inserted formulas, on-line/offline assessments, collaborative documents, surveys, and more
- Manage and support school-wide Bring Your Own Device Initiative in own classroom

Fluently use Internet for instructional and personal purposes:

- Maintain websites including www.mcfrymath.weebly.com, using HTML codes for enhancements
- Develop research and locate resources

Daily use technology hardware such as:

- Desktops, laptops, iPads, Chromebooks, and cell phones (voice and texting)
- Interwrite Dual Board and Pad, document cameras, digital cameras, and projectors
- Basic office equipment (scanners, copiers, and fax machines)

Saks Technology Team sponsor for elementary, middle, and high school students for the ACTE Regional and State Technology Fairs – 2011 - 2016 (see www.sakstechteams.weebly.com)

CURRICULUM PROJECT

Served on Calhoun County Schools' Curriculum Project - used computer programs to create year-long pacing guides to align AMSTI and other resources with the ALCOS by 1 week / 9 week periods:

- 2011 – 6th Grade Math – Paced the new Common Core Standards using a newly developed computer program, researching and incorporating Calhoun County 6th grade math teachers' ideas, AMSTI materials and recommendation, SDE resources, and resources from schools across the country
 - 2010 – Middle School Math (4-8) – aligned and paced math curriculum based upon 4 - 8 teacher recommendations from the 06/09 AMSTI Alphabet Soup in-service, primarily focusing on 4th and 5th Investigations curriculum alignment, with 6 - 8 enhancements to existing curriculum guides
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HONORS & ACTIVITIES

Lighthouse Team Member, Leader In Me – 2015 - 2016

Chairperson, Leadership Role Management Action Team – 2015 - 2016

Teacher of the Year, Saks Elementary School – 2015 - 2016, 2012 - 2013

Grade Chairperson – 2015 - 2016, 2009 - 2010

School Representative, Superintendent's Advisory Committee – 2013 - 2015

Co-Author, "Experiment with These Strategies" in ADDitude Magazine, Fall 2012 edition – 08/2012

Cooperating Teacher, JSU Prospective Teachers Program – 2015, 2016, 2013, 2012, 2010

Principal Appointed Member, School Wide Planning Team – 2008 - 2011, chairperson 2008 - 2010

Third Grade Representative, Outdoor Classroom Committee – 2007 - 2013

UNDERGRADUATE INDEPENDENT STUDY

A Study of Chloroplast DNA Isolation and Restriction Enzyme Analysis of the Wisconsin Fast Plant, *Brassica rapa* 8/1991 – 5/1992

Independently designed and conducted a year-long experiment designed to pioneer the isolation and analysis of chloroplast DNA of the Wisconsin Fast Plant. Research Abstract: In this molecular analysis, the chloroplast DNA of the Wisconsin Fast Plant, *Brassica rapa*, was analyzed according to the procedures outlined for other plants by Schuler and Zielinski (1989) and Palmer (1988). Chloroplasts were isolated from fresh, destarched leaves of *Brassica rapa* using a sucrose gradient. Subsequent cpDNA isolation was performed using proteinase K, SDS, centrifugation, and purification in a CsCl-EtBr gradient. Electrophoretic analysis was performed on the isolated cpDNA to determine concentration and construct a restriction enzyme map. Chloroplast DNA was isolated; however, a map of the restriction digest could not be constructed from digest results.

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MATH / SCIENCE / TECHNOLOGY/ LEADERSHIP PROFESSIONAL DEVELOPMENT

2016-17 4th and 5th Grade Math PLT Membership – 5 yearly meetings
08/05/2016 Leader In Me Work Session / Revisiting and Revising
06/27/2016 Fourth Grade Collaboration with Standards
06/14/2016 Google Training – A Basic Refresher and the Advanced User
06/07-09/2016 JSU CORE Academy – It Starts With Us!
06/01/2016 Coding Workshop with Dr. Jeff Gray
09/18/2015 Leaders of Our Own Learning / Diversity Training
2014-16 Two year Membership of County 3rd and 4th Grade Math PLT with numerous meetings
04/03/2015 The Leader In Me Roll Out Training
02/05-06/2016 The Leader in Me Symposium – Athens, Alabama
01/26/2015 Fluency with Fractions – A Greg Tang Training – Atlanta, GA
01/05/2016 The Leader In Me Implementation Training
08/11-13/2016 SES Leader In Me 7 Habits Certification Training
10/03/2014 Calhoun County Schools Math PLT Implementation (4 days/year) – Anniston, AL
07/14-17/2016 AMSTI Ongoing Assessment Project – OGAP Training (Fractional)
07/10/2014 Number Talks – By Sherry Parrish
6/08-7/01/2014 International Society for Technology Education (ISTE) Conference – Atlanta, GA
06/03-05/2014 JSU CORE Academy – Jacksonville, AL
09/03/2013 Project Based Learning K-3 Leadership Training (6 days/school year) – Anniston, AL
07/16-18/2013 OGAP Additive Training – Anniston, AL
06/18-20/2013 OGAP Multiplicative Training – Anniston, AL
06-07/2013 Using Moodle: Tools to Take Your Classroom Beyond its Walls – eLearning Course
02/08/2012 Sustaining & Maintaining an Effective Outdoor Classroom – Birmingham, AL
09/12/2011 Common Core Standards Review – Anniston, AL
08/29/2011 AMSTI Longitudinal Data – Anniston, AL
06/27/2011 Introducing the 2010 Math Course of Study K-8 - Alabama's College & Career Ready Standards - JSU in-service – Anniston, AL
05/13/2010 Science + Writing = Learning for 3rd Grade – Anniston, AL
03/05/2010 AMSTI: Beyond Paper and Pencil, Technology As a Teaching Tool – Anniston, AL
02/02/2010 Digital Storytelling - Microsoft Photo Story - JSU in-service – Anniston, AL
10/05/2009 Bringing Literature into the Environment – Anniston, AL
01/23/2009 AMSTI Math Implementation - JSU in-service – Anniston, AL
01/06/2009 AMSTI Data Driven Instruction - JSU in-service – Anniston, AL
10/23-24/2008 Alabama Council of Teachers of Mathematics Fall Forum – Montgomery, AL
01/29-31/2008 AMSTI Math Trainer Certification Session – Birmingham, AL
01/04/2008 Strategies for Including the Outdoor Classroom in Instruction – Anniston, AL
10/03/2007 Discovering ‘Holes’ in the Curriculum Over Time – Anniston, AL
07/16-20/2007 AMSTI Summer Institute - Math Yr 1 - 3rd Grade - AMSTI-JSU – Anniston, AL
07/09-13/2007 AMSTI Summer Institute - Science Yr 1 - 3rd Grade - AMSTI-JSU – Anniston, AL
06/25-29/2007 AMSTI Summer Institute - Science Yr 2 - 3rd Grade - AMSTI-UM – Alabaster, AL
06/18-22/2007 AMSTI Summer Institute - Math Yr 2 - 3rd Grade - AMSTI-UM – Alabaster, AL
07/24-28/2006 LAMST Summer Institute - Science Yr 1-4th Grade - AMSTI-JSU – Jacksonville, AL
05/01/2005 AMSTI Lead-Teacher Training – Anniston, AL

PROFESSIONAL MEMBERSHIPS

National Council of Teachers of Mathematics / County, State, and National Education Associations

PERSONAL INTERESTS

Family, Running, Traveling, Photography, Reading, Watching Movies, & Cooking