

Ben McCarty

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Personal

Dissertation Advisor: Scott Baldrige

Interests: Geometric and Algebraic Topology, Mathematics Education.

Education

Ph.D. Mathematics, Louisiana State University, August 2012

M.S. Mathematics, Louisiana State University, December 2007.

B.S. Mathematics (Summa Cum Laude), University of Texas at Tyler, May 2005.

Refereed Publications

S. Baldrige, B. McCarty, "On the rotation class of knotted Legendrian tori in \mathbb{R}^5 ," *Topology and its Applications*, Volume 209, August 2016, 91-114.

B. McCarty, "An infinite family of Legendrian torus knots distinguished by cube number," *Topology and its Applications*, Volume 159, Issue 1, (2012), 162-174.

B. McCarty, "Cube number can detect chirality and Legendrian type of knots," *Journal of Knot Theory and its Ramifications*, Vol. 21, Issue 03, (2012).

S. Baldrige, B. McCarty, "Small Examples of Cube Diagrams of Knots," *Topology Proceedings*, Vol. 36 (2010), 213-228.

C. Mann, B. McCarty, J. McLoud-Mann, R. Ranalli, and N. Smith, "Minimal Knotting Numbers," *Journal of Knot Theory and its Ramifications*, Vol. 18 (2008), No. 8, 1159-1173.

C. Mann, B. McCarty, J. McLoud-Mann, R. Ranalli, and N. Smith, "Metrics in Three-Dimensional Lattices," *Journal for Geometry and Graphics*, Vol 12 (2008), No. 2, 133-140.

Works in Preparation

A. Windsor and B. McCarty, *Introductory Real Analysis Through Inquiry*. (book)

B. McCarty, A. Windsor. *Discovering Polynomial Patterns*.

B. McCarty, A. Windsor. *Mixing it up: Multiplying mixed numbers using the distributive property*.

S. Baldrige and B. McCarty, *On the contact homology of Lagrangian cones in C^n* .

B. McCarty. *A bound on the cube number of certain torus knots*.

Non-Refereed Publications

S. Baldrige, B. McCarty, R. Ramos "Fluency without equivocation," <http://tinyurl.com/z3ku50j>.

S. Baldrige, B. McCarty, "A quick comparison of a state assessment and Eureka Math," <http://tinyurl.com/h4qyu72>.

A critique of the Partnership for 21st Century Skills Math Map, for Common Core, Inc. <http://alturl.com/4rxvh>.

Professional Experience

2012-2015	Lead Mathematician and Writer, NYSED Common Core Curriculum Development.
2012-present	Assistant Professor, University of Memphis, Department of Mathematics.
2011-2014	K-6 Mathematics Lead, The Illustrative Mathematics Project.
Summer 2011	LSU Math Circle.
2008-2011	Singapore Math Project Professional Development Workshop, Baker Heights Elem.
Summer 2008	REU Graduate Assistant, Louisiana State University
Summer 2007	REU Graduate Assistant, Louisiana State University
Fall 2006	R2R Tutoring Lab Manager
Spring 2006	R2R Tutoring Lab Manager
2005-2012	Graduate Assistant, Louisiana State University.

EngageNY/Eureka Math Curriculum

I am the Lead Mathematician for a national PK-5 mathematics curriculum based upon the Common Core State Standards that, according to a report by the RAND Corporation, is currently in use by 57% of elementary teachers in the US. The curriculum, titled *A Story of Units*, is the first component of a complete PK-12 curriculum designed to meet the Common Core State Standards and includes teacher lesson plans, student textbooks, homework sets, and student assessments. The curriculum was initially created for New York and is freely available to download at engageNY.org; the national version of the curriculum is called Eureka Math, and is available at GreatMinds.org. The following is a list of the first textbooks that resulted from this work.

Pre-Kindergarten

Curricular Modules available at: <https://www.engageny.org/content/prekindergarten-mathematics>.

Kindergarten

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade K, Module 1: Numbers to 10*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2013, 368 pages. ISBN:978-1-118-81131-3

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade K, Module 2: Two-Dimensional and Three-Dimensional Shapes*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2013, 96 pages. ISBN:978-1-118-79358-9

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade K, Module 3: Comparison of Length, Weight, Capacity, and Numbers to 10*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2013, 312 pages. ISBN:978-1-118-79350-3

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade K, Module 4: Number Pairs, Addition and Subtraction to 10*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2014, 432 pages. ISBN:978-1-118-81120-7

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade K, Module 5: Numbers 10-20 and Counting to 100*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2014, 256 pages. ISBN:978-1-118-79338-1

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade K, Module 6: Analyzing, Comparing and Composing Shapes*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2014, 120 pages. ISBN:978-1-118-81121-4

First Grade

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 1, Module 1: Sums and Differences to 10*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2014, 496 pages. ISBN:978-1-118-79285-8

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 1, Module 2: Introduction to Place Value Through Addition and Subtraction Within 20*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2013, 384 pages. ISBN:978-1-118-79336-7

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 1, Module 3: Ordering and Comparing Length Measurements as Numbers*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2013, 192 pages. ISBN:978-1-118-81138-2

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 1, Module 4: Place Value, Comparison, Addition and Subtraction to 40*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2013, 400 pages. ISBN:978-1-118-81124-5

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 1, Module 5: Identifying, Composing, and Partitioning Shapes*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2013, 208 pages. ISBN:978-1-118-81133-7

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 1, Module 6: Place Value, Comparison, Addition and Subtraction to 100*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2014, 376 pages. ISBN:978-1-118-81134-0

Second Grade

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 2, Module 1: Sums and Differences to 20*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2013, 136 pages. ISBN:978-1-118-79293-3

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 2, Module 2: Addition and Subtraction of Length Units*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2013, 144 pages. ISBN:978-1-118-79363-3

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 2, Module 3: Place Value, Counting, and Comparison of Numbers to 1,000*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2013, 296 pages. ISBN:978-1-118-79349-7

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 2, Module 4: Addition and Subtraction Within 200 with Word Problems to 100*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2013, 416 pages. ISBN:978-1-118-79345-9

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 2, Module 5: Addition and Subtraction Within 1,000 with Word Problems to 100*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2013, 288 pages. ISBN:978-1-118-81122-1

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 2, Module 6: Foundations of Multiplication and Division*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2014, 288 pages. ISBN:978-1-118-81141-2

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 2, Module 7: Problem Solving with Length, Money and Data*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2014, 384 pages. ISBN:978-1-118-81158-0

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 2, Module 8: Time, Shapes, and Fractions as Equal Parts of Shapes*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2014, 256 pages. ISBN:978-1-118-86256-8

Third Grade

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 3, Module 1: Properties of Multiplication and Division and Soliving Problems with Units of 2-5 and 10*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2013, 288 pages. ISBN:978-1-118-79295-7

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 3, Module 2: Place Value and Problem Solving with Units of Measure*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2013, 296 pages. ISBN:978-1-118-79360-2

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 3, Module 3: Multiplication and Division with Units of 0,1,6-9 and Multiples of 10*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2013, 288 pages. ISBN:978-1-118-79342-8

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 3, Module 4: Multiplication and Area*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2013, 224 pages. ISBN:978-1-118-81149-8

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 3, Module 5: Fractions as Numbers of the Number Line*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2014, 384 pages. ISBN:978-1-118-79411-1

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 3, Module 6: Collecting and Displaying Data*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2014, 384 pages. ISBN:978-1-118-81161-0

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 3, Module 7: Geometry and Measurement Word Problems*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2014, 480 pages. ISBN:978-1-118-81147-4

Fourth Grade

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 4, Module 1: Place Value, Rounding and Algorithms for Addition and Subtraction*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2013, 264 pages. ISBN:978-1-118-79296-4

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 4, Module 2: Unit Conversions and Problem Solving with Metric Measurement*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2013, 96 pages. ISBN:978-1-118-79351-0

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 4, Module 3: Multi-Digit Multiplication and Division*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2013, 504 pages. ISBN:978-1-118-79367-1

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 4, Module 4: Angle Measure and Plane Figures*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2013, 288 pages. ISBN:978-1-118-81160-3

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 4, Module 5: Fraction Equivalence, Ordering, and Operations*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2014, 552 pages. ISBN:978-1-118-81126-9

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 4, Module 6: Decimal Fractions*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2014, 272 pages. ISBN:978-1-118-81142-9

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 4, Module 7: Exploring Multiplication*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2014, 256 pages. ISBN:978-1-118-81137-5

Fifth Grade

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 5, Module 1: Place Value and Decimal Fractions*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2013, 256 pages. ISBN:978-1-118-79297-1

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 5, Module 2: Multi-Digit Whole Number and Decimal Fraction Operations*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2013, 392 pages. ISBN:978-1-118-79369-5

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 5, Module 3: Addition and Subtraction of Fractions*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2013, 256 pages. ISBN:978-1-118-79671-8

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 5, Module 4: Multiplication and Division of Fractions and Decimal Fractions*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2013, 512 pages. ISBN:978-1-118-79354-1

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 5, Module 5: Addition and Multiplication with Volume and Area*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2014, 320 pages. ISBN:978-1-118-81139-9

Scott Baldrige, Ben McCarty, Robin Ramos, *Common Core Mathematics, A Story of Units: Grade 5, Module 6: Problem Solving with the Coordinate Plane*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2014, 440 pages. ISBN:978-1-118-81129-0

In addition to the above, I served as a math editor on:

Scott Baldrige, Stefanie Hassan, Pia Mohsen, *Common Core Mathematics, A Story of Functions: Geometry, Module 2: Similarity, Proof, and Trigonometry*. Washington D.C.: Common Core, Inc. [producer]. Indianapolis, IN: Jossey-Bass, 2013, XXX pages. ISBN: 978-1-118-81144-3

Other Creative Works

B. McCarty, S. Baldrige. Cube Diagram Table of Knots of 7 Crossings or Less. <http://alturl.com/ify2d>.

Grants

A. Windsor (PI), B. McCarty (Co-PI). Preparing Mathematical Minds, Tipton County Schools, September 2014-February 2015. Funded by the Tennessee Department of Education's Mathematics and Science Partnership Grant Program, in the amount of \$26,850. We delivered professional development to teachers in grades 3, 4, 7 & 8.

B. McCarty (PI), A. Windsor (Co-PI), C. Anderson (Co-PI). Mathematics and Science Partnership, Shelby County Schools, May 2014-July 2015. The project was funded by the Tennessee Department of Education's Mathematics and Science Partnership Grant Program, via Shelby County Schools, and our portion of the grant totaled \$109,127. We delivered professional development to teachers in Grades K-5 designed to prepare them for implementation of the Tennessee Academic Standards.

B. McCarty (PI), A. Windsor (Co-PI). 5th Grade Mathematics Professional Development, Tipton County Schools, Oct. 2013-March 2014. Funded by Tipton County Schools in the amount of \$7,987. We delivered professional development to 5th grade teachers in Tipton County.

Invited Lectures

November 2015 *Briding the gap between elementary and middle school mathematics*, NCTM Regional Meeting, Nashville, TN.

May 2014 *Closing Math Content Gaps*, INVEST Teacher Prep Conference, Nashville (co-presented with Alistair Windsor).

January 2014 *A Story of...*, AMS/MAA Joint Meetings, Baltimore.

July 2013 *A System of Algorithms in A Story of Units*, Network Team Institute, Albany.

January 2013 *Quality Problems Through Collaboration*, AMS/MAA Joint Meetings, San Diego.

October 2012 *New Standards—New Opportunities for Collaboration*, Haddockfest, University of Memphis.

January 2012 *On the rotation class of knotted Legendrian tori in \mathbb{R}^5* , AMS/MAA Joint Meetings, Boston.

December 2011 *On the rotation class of knotted Legendrian tori in \mathbb{R}^5* , Virtual Seminar, LSU.

September 2011 *Baker Project Panel Discussion*, LA Gear Up Fall Conference, Baton Rouge.

July 2011 *My Undergraduate Research Experience*, University of Texas at Tyler REU

March 2011 *Hypercube diagrams knotted tori*, Spring Topology and Dynamics Conference, University of Texas at Tyler.

March 2011 *Hypercube diagrams of knotted tori*, AMS Southeast Sectional Meeting, Georgia Southern University.

January 2011 *Cube number can detect chirality and Legendrian knot type*, AMS/MAA Joint Meetings, New Orleans.

November 2010 *An infinite family of Legendrian torus knots distinguished by cube number*, Indiana University.

October 2010 *Cube number can detect chirality and Legendrian knot type*, Faculty Seminar, University of Texas at Tyler.

- October 2010 *Introduction to Legendrian Knots*, Junior Topology Seminar, Louisiana State University.
- August 2010 *Cube Diagrams for Knots*, GEAUX (a math graduate student orientation), Louisiana State University.
- June 2010 *The Singapore Math Project in the Baker School System*, Mathematical Sciences Research Institute.
- May 2010 *On the cube number of a knot*, New Jersey AMS Sectional Meeting, presented by Scott Baldridge.
- April 2010 *On the cube number of a knot*, Spring Topology and Dynamics Conference, Mississippi State University.
- October 2009 *An introduction to combinatorial knot floer homology*, Junior Topology Seminar, Louisiana State University.
- August 2009 *Knots: Grids and Cubes*, GEAUX (a math graduate student orientation), Louisiana State University.
- Spring 2009 *Legendrian knots and an application to arc index*, Junior Topology Seminar, Louisiana State University.
- Spring 2005 *Minimal Lattice Knots*, MAA Texas Sectional Meeting.
- Fall 2004 *Minimal Lattice Knots*, LSAMP Presentation.

Conferences Attended

- May 2014 INVEST Teacher Prep Conference, Nashville.
- January 2014 AMS/MAA Joint Mathematics Meetings, Baltimore.
- July 2013 Network Team Institute, Albany.
- April 2013 Critical Issues in Mathematics Education, MSRI.
- January 2013 AMS/MAA Joint Mathematics Meetings, San Diego
- October 2012 Haddockfest, University of Memphis.
- January 2012 Baton Rouge Young Topologist Research Retreat, LSU.
- January 2012 AMS/MAA Joint Meetings, Boston.
- June 2011 Trimester on Contact and Symplectic Geometry, Université de Nantes.
- March 2011 Spring Topology and Dynamics Conference, University of Texas at Tyler.
- March 2011 AMS Southeast Sectional Meeting, Georgia Southern, University.
- January 2011 AMS/MAA Joint Meetings, New Orleans.
- June 2010 Critical Issues in Mathematics Education, MSRI.
- April 2010 Spring Topology and Dynamics Conference, Mississippi State University.
- March 2010 Homology Theories of Knots and Links, MSRI.
- August 2008 Low Dimensional Topology Workshop, MSRI.

February 2007 Second Louisiana-Texas Topology Retreat, Louisiana State University.

January 2007 AMS/MAA Joint Meetings in New Orleans.

November 2006 Ron Fintushel Birthday Conference, Tulane University.

April 2005 MAA Texas Sectional Meeting, University of Texas at Arlington.

September 2005 LSAMP Conference, University of Texas at El Paso.

Service

2016	Instructor Hiring Committee, Univ. of Memphis.
2016-present	Created/Oversee New Certificate Program in the Teaching of Mathematics, Univ. of Memphis.
2015-present	GA Teacher Training Committee, Univ. of Memphis.
2014	Instructor Hiring Committee, Univ. of Memphis.
2014	Served on an NSF Review panel.
2013-2016	Elementary Mathematics for Teachers, Course Coordinator Univ. of Memphis.
2013-present	Undergraduate Curriculum/Instruction, Univ. of Memphis.
2013-present	Undergraduate Recruitment/Outreach Committee, Univ. of Memphis.
2012-present	Math/STEM Education & Math Bootcamp Committee, Univ. of Memphis.
2013	Research Capacity Assessment People Study Team, Univ. of Memphis.
2012-2013	Cantor Sect, Univ. of Memphis.

Advising

PHD, Aaron Taylor (committee member), 2016, University of Memphis.

MS, Cassandra Williams (committee member), 2014, University of Memphis.

MS, Jeff Lewis (committee member), 2014, University of Memphis.

Teaching Experience

MATH 1910 Calculus 1, University of Memphis.

MATH 7024 Calculus for Teachers, University of Memphis.

MATH 7025 Concepts of Calculus 1, University of Memphis.

MATH 7028 Concepts of Calculus 2, University of Memphis.

MATH 7411 Point Set Topology, University of Memphis.

MATH 7281 Linear Algebra for Teachers, University of Memphis.

MATH 1480 Elementary Math for Teachers 1, University of Memphis.

MATH 1481 Elementary Math for Teachers 2, University of Memphis.

MATH 1202 Elementary Geometry for Teachers Instructor, Louisiana State University.

MATH 1201 Elementary Mathematics for Teachers Instructor, Louisiana State University.

Singapore Math Project, Graduate Assistant 3rd grade - Bakerfield Elem.

Singapore Math Project, Graduate Assistant 2nd grade - Bakerfield Elem.

The Nature of Mathematics Instructor, Louisiana State University.

Singapore Math Project, Graduate Assistant 1st grade - Baker Heights Elem.

Calculus 2 Instructor, Louisiana State University.

Calculus 1 Instructor, Louisiana State University.

College Algebra R2R Teacher, Louisiana State University.

College Algebra R2R Tutor, Louisiana State University.

Last updated: May 18, 2017