

Annie Carpenter's Vitae

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Education

Iowa State University, Ames, Iowa

Master's of School Mathematics, August 2014

Creative Component: Pappus' Hexagon Theorem

Major Professor/Advisor: Heather Bolles

The University of Iowa, Iowa City, Iowa

Teacher Certification, Mathematics, K-12, May 2001

Bachelor of Arts Degree, Major: Mathematics, May 2001

Educational Leadership Experience

Secondary Instructional Improvement Leader: Boone Community Schools, Boone, Iowa 2015-present

- Served as instructional coach for forty-six faculty members
- Supported classroom teachers' implementation efforts of research-based instructional strategies and grading practices including standards-based grading
- Utilized assessment data to facilitate discussions and guided instructional improvement
- Planned and facilitated professional development activities around research-based instructional strategies
- Engaged in the development of curriculum alignment and implementation for all high school Professional Learning Communities (PLC)
- Collaborated with the mathematics PLC to deepen teachers' understanding of the Mathematical Practices
- Supported the Director of Innovative Learning to develop appropriate professional development activities and curriculum material review activities for the K-12 mathematics vertical team
- Served as facilitator for the districts K-12 mathematics vertical team on curriculum review
- Collaborated with the high school building leadership team to promote cultural and instructional improvement in the school

Teaching Experience

Secondary Math Instructor: Boone Community Schools, Boone, Iowa, 2006-2015

Instruction/Curriculum Development

- Prepared educational objectives and lesson plans for Math 7, Pre Algebra, Algebra I, Honors Geometry, Geometry 10, Calculus and DMACC Calculus I
- Collaborated with ISU practicum students and student teachers, Spring 2011-2016
- Team taught with Special Education Instructors in high school setting for diverse mathematical learners to individualize instruction and meet the needs of every student
- Collaborated with a community of teachers reviewing student tasks, student work, and instruction using the Authentic Intellectual Work (AIW) framework, Fall 2009-2015
- Selected to serve on the scheduling team collaborating with other instructors and administrators to develop the best schedule for our school's needs as well as facilitated professional development in small groups, Fall 2014-present
- Served as a member of the Boone High School Technology Capacity Building Team working with AEA specialist on technology integration in the classroom and PD, Fall 2014-2016
- Provided professional development on the Mathematics Common Core State Standards for the Boone Community School District, Fall 2009

Post Secondary Math Teaching Assistant: Iowa State University, Ames, Iowa, Summer 2013-2014

- Graded weekly homework and weekly quizzes for Math 140C
- Held two office hours per week assisting students and providing tutorial services for Math 140C students
- Worked in the math help room for 2-3 hours a week providing tutorial service for college algebra, college trigonometry, and calculus
- Entered scores for Math 140C on Blackboard
- Monitored student understanding and progress through MyMathLab

Secondary Math Instructor: East Central Community Schools, Sabula, Iowa, 2001-2006

- Preparation of education objectives and lesson plans for Integrated Mathematics, Algebra II, Cognitive Tutor Algebra I, and Grade 6 through 8 Connected Mathematics
- Collaborated with gifted Algebra II student creating lessons and objectives beyond the Algebra II curriculum
- Launched and analyzed *Following the Leader* objectives and lessons in preparation for ITBS and ITEDs
- Constructed dual lesson plans for high school Integrated Mathematics course with varied levels of student ability
- Implemented *Cognitive Tutor Algebra I*
- Collaborated with AEA faculty and Gary Phye of Iowa State University in the development of *E2T2 Test* on technology grant and scoring rubric
- Cooperated with other math instructors to score ICAM test at AEA9
- Created and implemented *Character Counts!* lessons and activities
- Participated in *Every Student Counts* grant

Recognition and Awards

- Nominated and selected to participate in the Holl Mathematical Discovery Workshop at Iowa State University, Summer 2016
- Received the “Favorite Teacher Award” as part of the Governor’s Scholar Recognition Program, Spring 2011 and Spring 2014
- Nominee for the 2014 ISEA Excellence in Education Award, Fall 2014
- Received the “Mallas Educator’s Award”, 2012
- Received “Excellence in Teaching” Award from the Belin-Blank Center, University of Iowa, Fall 2005
- Nominee for “Teacher of the Year” Award, Spring 2003, Spring 2004

Public Speaking

- Graduation speaker for Boone High School Commencement Ceremony, Spring 2011 and Spring 2016
- Featured speaker for Boone High School Class Day Ceremony, Spring 2014
- Guest speaker for Boone High School Winter Dance Coronation, Winter 2013
- Guest presenter for Boone Community Schools Technology Day, Fall 2011
- Guest speaker for Boone High School Scholastic Honor Society, Winter 2010

Professional Memberships and Committees

- National Council of Teacher’s of Mathematics (NCTM) member
- Member of P.E.O. Chapter DD, a philanthropic educational organization
- Member of the Boone Community Schools District Lead Learning Team, Fall 2011-Spring 2014
- Committee member for the University of Iowa’s Mathematics Education Club
- Committee member for Sacred Heart School SIAC Committee as a member of the SIAC
- Served on the Long Range Planning Committee for Sacred Heart School focusing on implementation of the Iowa Common Core

Special Training

- Jim Knight
- Cognitive Coaching
- Rick Wormeli – standards-based grading
- Iowa Evaluator Approval training, 2015
- AIW (Authentic Intellectual Work) training and implementation, August 2009-2015
- Response to Intervention/Multi-Tiered Systems of Support training and implementation, September 2011-present
- CRISS training, August 2007-May 2010
- PBIS training, August 2008-2009
- First Aid Certification, Fall 2009
- Bloodborne Pathogens, Fall 2016
- Mandatory Child Abuse Reporting, Fall 2016
- School Medication Administration, Fall 2009
- Character Counts!, Fall 2002-present
- Every Student Counts, Fall 2001

References

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