

Kevin E. Baker, MA

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bakermath.org

Certifications: FL Professional License [MATHEMATICS (GRADES 6 - 12)] exp 2021,
PLTW Principles of Engineering, CTE, ESOL, ESE, COMP TIA A+ Certified

Publications: *Differentiated Tiered Grading* (author/developer)
ISBN-10: 1502783665, ISBN-13: 978-1502783660, ASIN: B00OLPTXNA

Teaching Experience:

Daytona State College

Daytona Beach, FL
2017-Present

Adjunct Professor

- MAE 4326 How Children Learn Mathematics
- MAE 2801 Elementary School Mathematics
- MAE 4360 Mathematics Instructional Analysis

Palatka High School

Palatka, FL
2011-2016

Teacher

- Algebra 2
- Geometry (Standard and Honors)
- Statistics
- Liberal Arts Math
- Physics
- Math for College Readiness
- Math Dpt.Head (2013-2014)
- Department-wide implementation of Differentiated Tiered Grading
- Top testing (Geometry) performer in the district
- Member of Core-to-Curriculum committee

White House Heritage High School

White House, TN
2008-2011

Teacher

- Algebra 1
- Algebra 2 (Standard and Honors)
- Geometry
- Advanced Algebra with Trigonometry
- Discrete Math
- ACT Prep
- Advised Mu Alpha Theta National Math Honor Society chapter
- Created BakerMath.org website to make lectures and resources available to students and parents
- Facilitated a 120% improvement in EOC scores based on previous TCAP levels

Antioch High School(Title I)

Antioch, TN
2006-2008

Teacher

- Algebra 1 (Standard, Repeaters, ELL 1, ELL 2, and Gateway Intervention)
- Project Lead the Way - Principles of Engineering (CTE)
- Algebra 2

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- Student Advisor for Small Learning Communities Classrooms
- Specialized training includes: Kagan Cooperative Learning Structures, Brain-based Learning Strategies, Classroom Management (COMP), Gateway I & II, and Clay Roberts' "40 Assets for Success"
- Developed the "Differentiated Tiered Grading" System calibrated to Bloom's Taxonomy (.001 statistical confidence level of grade improvement)
- Achieved highest pass rate for Algebra 1 ELL students

Education:

Lipscomb University, Nashville, TN
M.A. degree in Learning & Teaching

The University of Tennessee, Chattanooga, TN
B.S.E. degree in Industrial Engineering

Nashville State Technical Institute, Nashville, TN
A.A.S. degree in Industrial Engineering Technology

Non-Teaching Experience:

Dell Nashville, TN
Computer Technician 2006-2006

- Performed various types of troubleshooting on Windows systems
- Streamlined various procedures & processes for Gold Tech Support Center

UPS Nashville, TN
Computer Technician 2003-2006

- Performed various types of troubleshooting on Windows, DOS and OS/2 systems
- Streamlined various procedures & processes for Technology Support Center

Franklin Engineering Group Franklin, TN
Lighting Designer/Consultant (Contract) 2003-2003

- Implemented specification and design of lighting layouts for extreme temperature, hazardous area manufacturing facility
- Analyzed adherence to military specifications, ADA and NEC compliance

Nash Lipsey Burch, LLC Nashville, TN
Electrical Designer 2001-2003

- Developed lighting, power, and systems designs for multi-million-dollar hospital, office building and transportation projects
- Designed lighting layouts and power usage analysis for federal, state and local requirement compliance
- Developed and maintained interactive master light fixture schedule, lighting design intranet, ADA compliance library, and lighting photometric file library

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Garcy|SLP

Design Engineer

Portland, TN

2000-2001

- Improved efficiency of a product line while reducing costs by 36%
- Implemented product development, testing, analysis, drawings, UL compliance,
- Performed ISO 9001 internal audits
- Created lighting layout designs
- Organized and maintained engineering records
- Instructed draftspersons and model-makers
- Designed various product analysis tools

References available upon request