

GARY NEIL BROWN

MATHEMATICS EDUCATION



CONTACT

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CV & Classroom Portfolio

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EDUCATION

M.Ed. Secondary Mathematics

The University of Georgia
1994 - 1996

B.S. Psychology

Kennesaw State University
1990 - 1993

Electrical Engineering

The Georgia Institute of Technology
1986 - 1990

PROFILE

My professional interests include pedagogy, cognitive psychology, curricula, technology & mathematics. I am very much a student of my students as I continually refine methods to improve engagement and learning. I have been married for 22 years and have three daughters ages 20, 18, and 16. My 15 year background in engineering and software development as well as my B.S. in Psychology provide a unique lens through which I approach the classroom.

EDUCATIONAL EXPERIENCE

2016 - present **The Westminster Schools // Atlanta Ga**
Middle Grades (6-8) Mathematics Teacher & 6th Boys Dean

- + Dean of 6th Grade Boys 2019-2020, 2020-2021
- + 6th Math, 7th Pre-algebra, 8th Honors Geometry
- + Alumni Fellow Teaching Award 2019
- + Faculty Award for Teaching 2019
- + Faculty Award for Excellence in Teaching 2018
- + Proposed & awarded grant for math work across divisions
- + Math PLC Facilitator 2018-2019
- + Head Coach JV Girls Soccer 2017-present
- + Middle School Robotics Coach 2017-present
- + Director of Leadership Cohort for 2019
- + Recipient of Curriculum Development Grant 2018
- + Member of STEAM cohort for 2018
- + Summer Courses Taught: Transitions, Leadership, Coding

2014 - 2016 **International Community School/Singapore**
Middle Grades (6-8) Mathematics Teacher

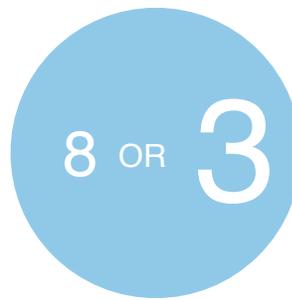
- + 6th, 7th, 8th Grade Pre-algebra, and Geometry.
- + Head Coach U14 Boys Soccer
- + Taught website development course (HTML, CSS, javascript)
- + Student council, chapel speaker, & winner of lip-sync battle

1996 - 2000 **Marietta High School**

Upper School Math (9-12), Department Chair

- + Algebra I, IB Geometry, Algebra II, Trigonometry, Advanced Algebra, Senior Math, AP Calculus, and Physical Science
- + International Baccalaureate Training Certification, 1997
- + Proposed and developed a new Algebra 1 course
- + U14 Boys soccer coach, JV girls soccer coach, math team

WHICH IS BIGGER?



CERTIFICATIONS & CONFERENCE PRESENTATIONS

Presenter at Twitter Math Camp 2017 Conference, Atlanta: Textbook Transformation - From Rote to Rich

IB MYP Certification completed April 2016

Level T5 Certification (years 6-12) in Mathematics - GA/USA

Certification in CSS3, XHTML, PHP, and MySQL 2013

Certificate for Mac, iPad, iPhone Programming in Xcode, 2013

NON-EDUCATIONAL EMPLOYMENT

- 2010-2014 **Devnext Inc**
Software Developer, Customer Relations, Product Manager
Microsoft Visual Studio C#, Javascript, SQL, Web Programming, Interface Design, Project Management
- 2007-2010 **Ligature Designs LLC**
Self-employed web designer and developer
(X)HTML, CSS, Javascript, Ajax, PHP, MySQL, Wordpress, Magento, Textpattern
- 2002-2007 **H.I. Solutions, Energy Management**
Software Developer: C++, embedded C, Java, Training
- 2000-2002 **Cadence Technologies**
Process engineering, Electrical / PLC Programming, Project Management

PROFESSIONAL PUBLICATIONS

Published Papers

- Teaching Mathematics Through Spreadsheet-Oriented Problem Solving, 1995, The Mathematics Educator, 6(2), 34-40.
- Interweaving Geometry of Lattice Polygons and Discrete Mathematics Concepts in a Technology-Rich Environment, 1995, ICMI Study: Perspective on the Teaching of Geometry for the 21st Century.
- Integrating Problem Solving, Technology, and the Experience of Mathematical Discovery in Teacher Education, 1996, Journal of Computers in Mathematics and Science Teaching, 15(4), 287-302.
- From Measuring to Proof Using Interactive Computational Geoboards and Numerical Spreadsheet Templates, 1999, Journal of Computers in Mathematics and Science Teaching, 18(2), 105-134.

International Conference Presentations

- The International Conference of Mathematics Instruction (ICMI): Perspectives on the Teaching of Geometry for the 21st Century. Catania, Italy. September 28-October 2, 1995.
- The International Conference on Technology in Mathematics Teaching (ICTMT), Napier University, Edinburgh, Scotland, September 4-7, 1995.

REFERENCES

The Westminster Schools, Atlanta Ga // www.westminster.net

- 1424 West Paces Ferry Road, NW, Atlanta, Georgia 30327, +1 404-355-8673
- Danette Morton, MS Principal, danettemorton@westminster.net
 - Thad Persons, Dean of Faculty, thadpersons@westminster.net
 - Mark Cutbirth, MS Math Teacher (43 years), markcutbirth@westminster.net

International Community School, Singapore // www.ics.edu.sg/

27A Jubilee Road, Singapore 128575, (+65) 6776-7435

- John Kennedy, Former Director at ICS, Headmaster at Yongsan International School of Seoul, john.kennedy@yisseoul.org
- Kara Stucky, MS Mathematics Teacher, kstucky@ics.edu.sg