



# KEVIN ROSS FREDERICK

High School Mathematics and Computer Science Teacher

American • Born 1975 • Married; two children (ages 11 and 14)

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## PERSONAL PROFILE

I am an enthusiastic, detail-oriented mathematics and computer science teacher and published textbook author with 15+ years of overseas teaching experience. I passionately believe that all students can succeed. I look for opportunities to broaden students' experience of mathematics, and enjoy developing enrichment programs and activities. I seek a challenging and rewarding position in a school community where our family can flourish.

## TEACHING EXPERIENCE

**Algebra, Geometry, Algebra 2/Trigonometry, International Baccalaureate (IB) MYP 4 (Grade 9), IB MYP 5 (Grade 10), IB Analysis and Approaches HL, IB Applications and Interpretation HL, IB Math Studies, IB Mathematics SL/ HL, Advanced Placement (AP) Calculus, AP Statistics, Java Programming, Computing Technology.** **2005 to present**

I am confident in my ability to motivate students to succeed in any high school mathematics course.

## POSITIONS HELD

**High School Mathematics Teacher** **2020 to 2021**  
International School of Yangon, Myanmar

**High School Mathematics Teacher and Head of Secondary Mathematics** **2015 to 2020**  
American International School of Lusaka, Zambia  
Student-selected **commencement speaker**, May 2020.

**High School Mathematics Teacher** **2010 to 2015**  
**Mathematics Curriculum Leader/Department Chair** **2012 to 2015**  
American International School Vienna, Austria

**High School Mathematics Teacher and Department Chair** **2008 to 2010**  
Walworth Barbour American International School, Israel

**Mathematics and Computing Technology Teacher and Coordinator** **2005 to 2008**  
**Information Technology and Intensive English Teacher** **2005 to 2005**  
QSI International School of Bratislava, Slovakia

**ESL Teacher** **2004 to 2005**  
International House Bratislava – Caledonian School, Slovakia

**English Teacher and Teacher Trainer** **2004 to 2004**  
Ampro David English House, Bangkok, Thailand

**Software Engineer** **1997 to 2003**  
Designed, developed, and maintained mission-critical software for a variety of companies and Fortune-100 clients in Colorado's Silicon Valley.

## LEADERSHIP ROLES

**Mathematics Department Chair/Curriculum leader (AIS Lusaka, AIS Vienna, WBAIS Israel)**  
Proven team leader; responsible for curriculum development (experience with CCSS and AERO), student placement, budgeting and ordering, advising senior leadership in division-wide decisions.

**Grade Level Leader (AIS Vienna)**  
Ninth grade team leader: coordinate overnight student retreat, mentor 9<sup>th</sup> grade student council, lead bi-weekly homeroom meetings, point of contact for grade-level concerns.

**Technology Coordinator (QSI Bratislava)**  
Managed full-time IT administrator, trained teaching staff, made purchasing decisions, and ensured operation, reliability and recoverability of all school IT systems.

## PUBLICATIONS & AWARDS

**Co-Author, IB Mathematics Applications and Interpretations textbooks (Pearson)** **2017 to 2019**  
Part of a team writing content for new textbooks aligned with updated IB DP Math syllabus, including authoring Geogebra applets for eBook enhancement.

**Contributor, IB Mathematics Standard Level and Higher Level textbooks** **2011 to 2012**  
Authored 91 instructional videos to accompany key textbook examples.

**Recognition of Excellence for Outstanding Score (195/200), ETC Praxis II Exam** **2008**

**Upsilon Pi Epsilon, Computer Science Honor Society** **1997**

## CONFERENCES & WORKSHOPS

<b>inScholastics DP Mathematics Workshop – presenter</b> Led workshop on new IB DP Applications and Interpretations courses	<b>February 2019</b>
<b>ISAZ Teachers Teaching Teachers Conference – presenter</b> Presented session “Avoiding dead-end shortcuts”	<b>February 2018</b>
<b>Approaches to Teaching and Learning in the IB DP (Zambia)</b>	<b>October 2017</b>
<b>ISAZ Teachers Teaching Teachers Conference – presenter</b>	<b>February 2017</b>
<b>IB Mathematics HL (Poland)</b>	<b>November 2016</b>
<b>MYP Mathematics (South Africa)</b>	<b>February 2016</b>
<b>ISMTEF Mathematics Conference – presenter</b> Presented hands-on workshop “Why the Casio fx-CG20 might be your calculator of choice.”	<b>November 2014</b>
<b>Other conferences and workshops</b> CEESA Annual Conference, IB Mathematical Studies, IB Mathematical Studies, College Board AP Statistics, College Board AP Computer Science, Space Academy for Educators (Alabama) with full scholarship, College Board AP Calculus.	<b>2006-2014</b>

## QUALIFICATIONS & EDUCATION

<b>Missouri State Teaching Certificate (Secondary Mathematics)</b>	<b>Permanent credential since 2012</b>
<b>University of Missouri – Saint Louis, Missouri, USA, Graduate Studies (Education)</b>	<b>2006 to 2008</b>
<b>CELTA (Certificate of English Language Teaching to Adults) Certification, Bangkok</b>	<b>2004</b>
<b>University of Colorado – Boulder, Colorado, USA, Graduate Studies (Computer Science)</b>	<b>2002</b>
<b>Macalester College, St. Paul, Minnesota, USA, B.A. in Computer Science/Mathematics</b>	<b>1997</b>
<b>With study abroad at Australian National University, Canberra, Australia, Fall 1996.</b>	

## ACTIVITIES & ACCOMPLISHMENTS

<b>Commencement speaker (student selection), American International School Lusaka</b>	<b>2020</b>
<b>Coached secondary STEM team (AIS Lusaka)</b> Led STEM (Science, Technology, Engineering, Mathematics) team to regional 3-day competitions.	<b>2015-2020</b>
<b>Complete curriculum overhaul (AIS Lusaka)</b> Brought coherency and consistency to MYP content curriculum by leading adoption of Common Core State Standards (CCSS) from grades 6-10 to prepare students for DP mathematics.	
<b>Other Activities and Accomplishments</b> AIS Vienna: Initiated review of calculator policy, developed 4-year transition plan, Launched high school robotics program, Coached junior math team; WBAIS Israel: Established peer-to-peer after-school tutoring; QSI Bratislava: Developed MathCOUNTS after-school activity.	

## TECHNOLOGY SKILLS

<b>ManageBac, Google Classroom, Geogebra, Desmos, Moodle, Blackboard, SmartBoard, GradeQuick/APWeb, TeacherPlus, flipped classroom, Atlas Curriculum Mapping, Powerschool, ClassDojo, and more.</b> Expert integrator of technology to improve student learning.
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## INTERESTS & ACTIVITIES

<b>Hobbies: Mountain biking, rock climbing, mountaineering, exploring, traveling, yoga, banjo.</b>
<b>Countries visited: 38 countries on 6 continents.</b>
<b>Languages: English (native), Slovak (intermediate), Spanish (elementary), German (elementary).</b>