

# DR. WILLIAM R. KJELLSTROM

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## EDUCATION

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**University of Virginia, Curry School of Education**, Charlottesville, VA  
Ph.D. in Instructional Technology, December 2017

**Harvard University, Graduate School of Education**, Cambridge, MA  
Ed.M. in Technology in Education, June 2005

**Vanderbilt University, Peabody College**, Nashville, TN  
M.Ed. in Elementary Education, May 2000

**Wake Forest University**, Winston-Salem, NC  
B.A. in Psychology, May 1998

## EXPERIENCE

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**Albemarle County Public Schools**, Albemarle, VA,

*Learning Technology Integrator*, 2015 - Present, Served as a technology integration specialist for two middle schools and eight different elementary schools

*littleBits Lead Educator*, 2017, Participated in the first cohort of littleBits Lead Educators, a company-selected partnership between select teachers who focus on STEM initiatives and coding with K-12 students

*Robotics Consultant*, 2017 - Present, Established and coached two FIRST LEGO teams for elementary students

*Environmental Science Consultant*, 2015 - Present, Directed and design project-based learning experiences across all grade levels on topics that included weather and water

*Maker Space Consultant*, 2015 - Present, Provided advice and professional development for district-wide initiatives related to hands-on learning and maker spaces

**Black Hills State University**, Spearfish, SD

*Assistant Professor*, 2013 - 2014, Taught courses on technology integration and research methods for graduate students enrolled in an online Master's degree program

**University of Virginia**, Charlottesville, VA

*Lab Manager*, 2009 - 2013, Managed purchases, lab equipment, and IRB protocols for the Science, Technology, Engineering, and Mathematics lab  
*Director of the Technology Infusion Program*, 2009 - 2012, Coordinated and supervised pre-service teacher placements in practicum classrooms that emphasized technology integration

*Instructor*, 2009 - 2012, Taught a graduate-level course for pre-service teachers focusing on the integration of technology into curricula and learning experiences

*Consultant*, 2010 - 2012, Provided consultation and subject matter expertise for Fab@School Maker Studio by Fablevision

*Graduate Fellow*, 2009 - 2013, Supported and implemented research on the use of digital fabrication systems to enhance elementary students' understanding of science, technology, engineering, and mathematics

**Trinity School**, Atlanta GA

*Lead Teacher*, 2008 - 2009, Taught language arts, social studies, and character education to sixth grade students

*Webmaster*, 2007 - 2008, Developed and managed Trinity School's website

*Video Production Teacher*, 2007 - 2008, Managed the school's video production studio and bi-monthly student broadcast; Produced and recorded videos for the school community

*Instructional Technology Specialist*, 2006 - 2007, Served as the primary professional development leader for educational technology initiatives

**Sussex County Public Schools**, Sussex, VA

*Instructional Technology Specialist*, 2005 -2006, Provided technology professional development for the school district

**The Lovett School**, Atlanta, GA

*Lead Teacher*, 2001 - 2003, Taught language arts, math, social studies, and character education to fifth grade students

*Coach*, 2002 - 2003, Coached middle and upper school students in two sports, football and track

*Substitute*, 1999, Substitute taught in middle and upper school

*Assistant Teacher*, 1999, Prepared lesson plans, generated the daily schedule, and assumed grading responsibilities

## ACTIVITIES & SERVICE

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**Albemarle County Public Schools**, Albemarle, VA  
*Volunteer*, 2015, Girls' Geek Day

**Black Hills State University**, Spearfish, SD  
*Committee Member*, 2013 - 2014, University Technology Committee  
*Committee Member*, 2013 - 2014, College of Education Social Committee

**University of Virginia**, Charlottesville, VA  
*Workshop Facilitator*, 2013, Young Women Leaders Program  
*Reviewer*, 2012, Society for Information Technology and Teacher Education Conference  
*Program Committee Member*, 2012 - 2013, Society for Information Technology and Teacher Education Conference  
*Webmaster*, 2012 - 2013, <http://www.tpackcases.org>  
*Secretary*, 2011 - 2012, American Society of Engineering Education Chapter  
*Facilitator*, 2010-2012, National Technology Leadership Summit  
*President*, 2012, Society for Information Technology and Teacher Education Conference  
*Invited Exhibitor*, 2012, National Science Foundation's ITEST Summit  
*Technology Supervisor*, 2011, Math, Men, and Mission (M-Cubed): Algebra Readiness Camp for Middle School African American Students  
*Committee Member*, 2010 - 2011, Scholarship and Professional Development Committee of the Student Council  
*Committee Member*, 2009 - 2010, Curry Library Innovation Commons

**Harvard University**, Cambridge, MA  
*Technology Intern*, 2005, Tom Snyder Productions

**The Lovett School**, Atlanta, GA  
*Admissions Coordinator*, 2003, Lower School Representative

**Vanderbilt University**, Nashville, TN  
*Graduate Assistant*, 1999 - 2000, Assisted four Peabody College professors

## FEATURED PUBLICATIONS

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Kjellstrom, W., Berry, R. Q., & White, P. (2015). Elementary Math. In Hofer, M., Bell, L. & Bull, G. (Eds.), *Practitioner's Guide to Technology, Pedagogy, and Content Knowledge (TPACK): Rich Media Cases of Teacher Knowledge* (pp. 1-14). Waynesville, North Carolina: Association for the Advancement of Computing in Education.

Alexander, C. & Kjellstrom, W. (2014). The influence of a technology-based internship on first-year teachers' instructional decision-making. *Journal of Technology and Teacher Education*, 22(3), 265-285. Chesapeake, VA: Society for Information Technology & Teacher Education.

Tillman, D.A., An, S.A., Cohen, J.D., Kjellstrom, W. & Boren, R.L. (2014). Exploring wind power: Improving mathematical thinking through digital fabrication. *Journal of Educational Multimedia and Hypermedia*, 23(4), 401-421. Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).

Bull, G., Kjellstrom, W., & Patel, Y. (2013). Mixed-reality demonstrations involving gravity. *Learning and Leading with Technology*, 41(1).

Bull, G. & Kjellstrom, W. (2013). Refresh your flipped classroom with interactive video. *Learning and Leading with Technology*, 40(7).

Chiu, J. L., Bull, G. Berry, R. Q. & Kjellstrom, W. (2013). Teaching engineering design with digital fabrication: Imagining, creating, and refining ideas. In N. Levine & C. Mouza (Eds.), *Emerging Technologies for the Classroom: A Learning Sciences Perspective* (pp. 47-62). New York, NY: Springer.

Bull, G., Ferster, B., & Kjellstrom, W. (2012). Inventing the flipped classroom. *Learning and Leading with Technology*, 40(1).

## HONORS & AWARDS

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**2010 Outstanding Graduate Teaching Assistant**, Curry School of Education at the University of Virginia  
**HASTAC Scholar**, MacArthur Foundation  
**Kappa Delta Pi Honor Society**  
**Golden Key National Honor Society**  
**Mortar Board National Honor Society**  
**Psi Chi Honor Society**  
**Donald Alan Bauer Memorial Scholarship**, Given for leadership and academics at Wake Forest University