

**Carrie L. La Voy**  
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**ACADEMIC DEGREES**

**University of Kansas**, Lawrence, Kansas

Ph.D. 2009 Major: Curriculum and Instruction  
Minor: Research and Statistics, Emphasis in Mathematics Education  
Dissertation Title: Mathematics and the Visually Impaired Child: An Examination of Standards-based Mathematics Teaching Strategies with Young Visually Impaired Children

M.S.E. 1997 Major: Curriculum and Instruction, Emphasis in Mathematics Education

B.S.E. 1989 Major: Elementary Education  
Minors: Mathematics and Science, Middle level endorsement

**CERTIFICATION**

Kansas Professional Teaching Certificate

Highly Qualified Endorsements: Elementary K – 9, General Science 5 – 9, Core Content Mesh K – 6

**TEACHING EXPERIENCE**

**University of Kansas**, Lecturer, Mathematics Education, 2010 – Present.

Courses: Classroom Interactions in Mathematics and Science, Knowing and Learning in Mathematics and Science, Mathematics in the Elementary Classroom, Middle Level Curriculum: Mathematics & Science, Curriculum and Instruction in Middle/Secondary Mathematics Classrooms, Differentiating Curriculum and Instruction (graduate level)

Courses, designed to meet the current needs of secondary mathematics and science teachers, focus on exploring multiple models of teaching, models of knowing and learning mathematics and science, assessment, and equity in the classroom. During field experiences, an emphasis is placed on teaching using an inquiry-based, active learning approach.

**University of Kansas**, Adjunct Professor, School of Education, 2009 – 2010.

Course: Classroom Interactions in Mathematics and Science

Students explored multiple models of instruction at the secondary level. Issues related to equity and diversity in mathematics and science classrooms were emphasized. Students created and used inquiry-based lesson plans and began developing a professional teaching portfolio.

**Johnson County Community College**, Adjunct Professor, Mathematics, 2009 – 2010.

Courses: Fundamentals of Mathematics, Elementary Algebra, Intermediate Algebra

Objectives of the courses were to help college students improve essential mathematics skills in a classroom setting that combined direct instruction with cooperative learning and active learning strategies. An emphasis was placed on utilizing technology resources in mathematics.

**Ottawa University**, Adjunct Professor, 2009 – 2010.

Courses: Intermediate College Algebra, Elementary Student Teaching II

Intermediate College Algebra emphasized algebraic skill development through direct instruction, group activities, class discussions, and active student participation. Elementary Student Teaching II included supervision of college students at the elementary, middle, and high school level. Weekly student teacher reflections were monitored, student teachers were observed in the classroom setting, and assistance was provided in developing the Kansas Performance Teaching Portfolio.

**Holy Trinity Catholic School**, Resource Teacher, 2007 – 2009.

Taught elementary-level enrichment classes in mathematics, reading, writing, science, and social studies. Created multi-week enrichment units (for example, a Stock Market simulation game and a science and math Robotics unit.) Supervised a “math lab” for seventh grade students in need of remediation. Served as school mathematics team sponsor. Organized teams for local Mathletics competitions, practiced with students, and hosted competitions.

**Children’s Center for the Visually Impaired**, Preschool Teacher, 2004 – 2006.

Taught summer school with a diverse group of preschool-age visually impaired and typically developing children. Gained experience teaching both visually impaired and typically developing children, ages two through kindergarten.

**University of Kansas**, Graduate Teaching Assistant, 1997 – 2001.

Taught mathematics methods courses for elementary and middle school pre-service teachers. Supervised student teachers and interns in practicum experiences in middle school mathematics settings. Worked with and evaluated the performance of student teachers and interns.

**Haskell Indian Nations University**, Adjunct Instructor, 1998.

Taught freshman-level mathematics course. Focused on developing essential mathematical concepts and skills with a diverse population of students.

**Blue Valley School District**, Mathematics Teacher, 1991 – 1997.

Courses: Pre-algebra, Algebra, Life Skills

Taught eighth grade at Leawood Middle School, in Leawood, Kansas. Served as school National Education Association representative and on several district mathematics committees. Supplemental activities included working as school mathematics team sponsor and with annual school play production. Additional teaching experience during long-term substitute teaching in mathematics and other substitute teaching at various schools at the elementary and middle school level.

OTHER WORK EXPERIENCE

**Computerized Assessments and Learning**, Consultant, 2009.

Created the framework for categorizing formative mathematics test questions written for students from early elementary through high school. Analyzed the content and quality of the questions, and then categorized based on national mathematics standards.

**Center for Educational Testing and Evaluation**, Content Writer, 2005 – 2009.

Assisted with the development of the Blending Assessment with Instruction Program (BAIP) project, developed by The University of Kansas in cooperation with the State of Kansas. Wrote and edited mathematics online tutorials for students in third through tenth grades. Created lesson plans and activities for teachers and parents.

**Asbury After School Care**, Director, 1990 – 1991.

Worked with the Board of Directors at Asbury United Methodist Church to launch an after school program for school age children. Responsible for overall planning of initial after school program and summer program. Supervised teachers, oversaw budget, communicated with parents, and reported to church administrators.

PRESENTATIONS

- 2012 La Voy, C.L. et al. (December, 2012). *Are you working on program outcomes?* Brown Bag Seminar at the Center for Teaching Excellence, University of Kansas, Lawrence, KS.
- 2012 La Voy, C.L., & Gay, S. (October, 2012). *Multisensory approaches to helping young children learn mathematics.* Presentation session at the National Council of Teachers of Mathematics conference in Dallas, TX.
- 2012 La Voy, C.L., et al. (May, 2012). *Matrix of UKanTeach course topics: A river runs through it.* Presentation session at the UTeach Institute/National Math and Science Initiative conference in Austin, TX.
- 2011 La Voy, C.L., & Gay, S. (October, 2011). *Making mathematics meaningful for the visually impaired child.* Presentation session at the National Council of Teachers of Mathematics conference in St. Louis, MO.
- 2011 La Voy, C.L., Eskilson, E., & Obenhaus, S. (July, 2011). *UKanTeach: A collaboration between the College of Liberal Arts and Sciences and the School of Education.* Presentation session at the Eastern Kansas Math Education Summit, Johnson County Community College, Overland Park, KS.
- 2011 La Voy, C.L. (June, 2011). *Case study research design.* Guest lecturer presentation session at the University of Kansas, graduate level course in curriculum and teaching.

- 2010 La Voy, C.L. (June, 2010). *Meeting the needs of visually impaired students*. Guest lecturer presentation session at the University of Kansas, graduate level course in curriculum and teaching.
- 2009 La Voy, C.L. (December, 2009). *How to support the young visually impaired child*. Presentation session at the Children's Center for the Visually Impaired, Kansas City, MO.
- 2009 La Voy, C.L. (June, 2009). *Case-study methodology and research with young visually impaired children*. Guest lecturer presentation session at the University of Kansas, graduate level course in curriculum and teaching.

### PUBLICATIONS

- 2011 Remembering the Teachers Who Touched Our Lives. *The Jayhawk Educator: The University of Kansas School of Education Alumni Magazine*. Lawrence, KS: The University of Kansas School of Education, Fall 2011.
- 2005 –2009 Various research-based mathematic lessons for grades three through high school, developed in conjunction with the Blending Assessment with Instruction Program, ELearning Design Lab, University of Kansas, Lawrence, KS.

### INTERNAL GRANTS

- 2012 Received Communities of Research Engagement funds (\$500) from C&T department for use during 2012- 2013 school year.  
Project title: Incorporating Problem-based Instruction in Mathematics.  
Project description: Provide professional development and consulting services to faculty and staff at Horizon Academy, a fully accredited school specializing in serving children with learning disabilities.  
Predicted outcome/product: Faculty and staff at Horizon Academy will gain knowledge and skills in using problem-based instruction. KU faculty will be available for consultation. The C&T department benefits from sharing knowledge and resources with the community, as well as establishing and fostering an environment where further research and service can be done.

### OTHER

- 2012 Awarded principal investigator status at the University of Kansas Lawrence campus and HSCL approval for research project titled: Understanding the Development of Perceptions of Equity and Diversity in Modern Classrooms.

### SERVICE ACTIVITIES

- 2010 – Present **Department of Curriculum & Teaching, University of Kansas**, Lawrence, KS  
Member, Communications Committee, Committee Chair 2012 - Present
- 2010 – Present **UKanTeach, University of Kansas**, Lawrence, KS  
Member, Curriculum, Instruction, & Assessment Committee

2012 – Present      **Horizon Academy**, Roeland Park, KS  
Member, Horizon Academy Professional Advisory Board

2012    Speaker proposal reviewer for Association of Mathematics Teacher Educators annual conference

**Children’s Center for the Visually Impaired (CCVI)**, Kansas City, MO  
Past Board Member, CCVI Board of Directors  
Past President, CCVI Parent Group  
Past Board Member, Friends of CCVI

**Asbury Child Care Center**, Prairie Village, KS  
Past Board Member, Asbury After School Care Board of Directors

*PROFESSIONAL ACTIVITIES - memberships*

National Council of Teachers of Mathematics  
Association of Mathematics Teacher Educators  
National Education Association  
Kansas National Education Association  
Kansas Association for Middle Level Education  
Kansas City Area Teachers of Mathematics