

Steve V. Coxon

Assistant Professor of Gifted Education
Director of Programs in Gifted Education
Maryville University
650 Maryville University Dr.
Gander Hall, office 267
St. Louis, MO 63141

University contact information

(314) 529-9567

scoxon@maryville.edu

<http://www.maryville.edu/gifted>

Personal contact information

(540) 230-3216

stevecoxon@live.com

<http://stevecoxon.com>

Education

Ph.D.

The College of William and Mary, 2012

Educational policy, planning, and leadership in gifted education administration

- Cognate: Higher education
- Cognate: Educational technology
- Graduate assistantship at the Center for Gifted Education, 2008-2010
- Dissertation: *The malleability of spatial ability under treatment of a FIRST LEGO League-based robotics unit* (Pass, with distinction)
- Committee: Tracy Cross (chair), Joyce VanTassel-Baska, and Bruce Bracken

M.A.

Virginia Tech, 2000

Secondary curriculum and instruction

- Teacher internship, eighth grade language arts, Blacksburg Middle School, Blacksburg, VA, Spring 2000
- Teacher internship, eleventh grade English, Patrick Henry High School, Roanoke, VA, Fall 2000
- Special education internship, fourth grade one-on-one targeted phonics, Price's Fork Elementary School, Blacksburg, VA, Spring 1999
- Thesis: *A comparison of responses to literature* (creative writing in response to literature)

B.A.

Virginia Tech, 1998

English, minor biology

- Field study, middle school language arts (Developed and taught a reciprocal poetry unit with middle school students who had been removed from their neighborhood schools to this alternative setting), Noel C. Taylor Learning Academy, Roanoke, VA, Spring 1998
- *Silhouette Literary Magazine* art editor, radio show host, benefits coordinator, 1997-2000
- *Collegiate Times* writer, photographer, and assistant features editor, 1996-1998

Employment

Present Positions

2010

Assistant professor of gifted education

Director of programs in gifted education

School of Education, Maryville University, St. Louis, MO

- Oversight of the Master of Arts in Education with a concentration in Gifted Education and Missouri Gifted Certification coursework
- Oversight of adjunct-taught gifted education courses

- Created a 5th-year bridge program for exceptional preservice teachers to complete their Master of Arts in Education with a concentration in Gifted Education in one additional year, 2011
- Responsible for budgets in excess of \$200,000 annually
- Founder and Executive Director of the pre-collegiate [Maryville Summer Science and Robotics Program for High Ability Students](#), with more than 30 faculty and staff serving 400-500 children ages 4-15 annually with 50 course offerings; including 50 scholarships for attendees from the [Maryville Young Scholars Program](#) supported by additional grant funding and gifts; serves as a research vehicle for numerous projects, 2012-present
- P.I., [The Maryville Young Scholars Program](#) to identify and serve high ability children from groups traditionally underrepresented in gifted programs in four urban, high poverty public elementary schools with grant funding, 2010-present

University Teaching Experience

Maryville University:

EDUC 617	Psychology of the gifted (graduate) – Fall 2011, 2012, 2013, 2014
EDUC 615	Curriculum and instruction of the gifted (graduate) – Fall 2010; Spring 2011, 2012, 2013, 2014
EDUC 384	Practicum in reading (undergraduate) – Spring 2011, 2012, 2013, 2014
EDUC 381	Alternative reading methods (undergraduate) – Spring 2011, 2012, 2013, 2014
EDUC 380	Teaching reading (undergraduate) – Fall 2010, 2011
EDUC 371	Special methods practicum (undergraduate) – Fall 2010, 2011, 2012, 2013, 2014
EDUC 342	Practicum in teaching art K-12 (undergraduate) – Spring 2013
EDUC 333/533	Integrating the arts (undergraduate / graduate) – Fall 2012, 2013, 2014

University of Oxford:

ENGL 297/EDUC 297	From Wonderland to Hogwarts: British children’s fantasy and the people behind it (undergraduate) – Summer, 2013 Visiting lecturer, MOSAICS Study Abroad Program University of Oxford, U.K.
-------------------	--

K-12 Teaching Experience

Summers, 2009, 2010	Robotics teacher Summer Enrichment Program, Center for Gifted Education, Williamsburg, VA <ul style="list-style-type: none"> ▪ Created and taught multiple sections of “LEGO WeDo: The science and engineering of robotics” for five- to nine-year-olds ▪ Involved students in learning about robotics including sensors, engineering including gear ratios, and computer programming including repeat loops
Summer, 2010	Critical reading teacher Norfolk Academy, Norfolk, VA <ul style="list-style-type: none"> ▪ Co-created and co-taught with a NASA education specialist: Skies on fire: Air pollution in Hampton Roads

- Integrated critical reading and My NASA Data for high ability high school students to use evidence to determine where a power plant should be located and how it should generate power

2001 – 2008

Fourth and fifth grade classroom teacher

Christiansburg Elementary School, Christiansburg, VA

- Supported students with disabilities and giftedness in a full-inclusion classroom
- Taught reading, writing, and science using project- and problem-based instruction
- Taught mathematics using *Everyday Math*, InterAct units, and *Hands-on Equations*
- Coordinated annual field trips to Thomas Jefferson National Park, 2001-2008
- Designed, set-up, and maintained display Congo River (135 gallons) and Lake Malawi (120 gallons) biotope aquariums for the school, 2002-2008
- Morning Reading Intervention Program director, 2003-05
- School web master, 2005-2008
- Coordinated a field trip for seven fourth grade classes to Monticello and Ashlawn in Charlottesville, VA, 2008

Summers, 2003, 2006, 2007

Gifted summer enrichment program teacher

Montgomery County Public Schools, Christiansburg, VA

- Developed and implemented courses for gifted students in grades 3-11
- Courses taught include LEGO robotics, engineering, chess, creative writing in hypertext, science processes, and dystopian literature

Summer, 2005

Humanities teacher

Summer academy, Blacksburg Middle School, Blacksburg, VA

- Taught humanities, including creative writing in hypertext
- Program focused on traditionally underserved gifted middle school students

2000 – 2001

English teacher

Multimedia Academy, Mt. Diablo High School, Concord, CA

- Senior world literature, junior American literature
- Created literature-based projects for hypertext and animation

1999 –2000

Substitute teacher

Montgomery County Public Schools, Montgomery County, VA

- Served in a variety of teaching capacities including two months as an elementary special education teacher

Summer, 1999

Special education aide

Christiansburg Elementary School, Christiansburg, VA

- Supported fourth graders with special needs during a summer math and reading program

Consultancies

Spring and Fall, 2013

Consultant and professional developer

Oak Hill School, Ladue, MO

- Provided 8 sessions on serving high ability and gifted students, K-6
- Special focus on leadership development

September, 2012 – May, 2013

Consultant, Webster Groves Gifted Program Evaluation Committee

Webster Groves School District, St. Louis, MO

- Provided overview, research justification, and technical expertise for initiating Problem-based Learning (PBL) methods and models in districts gifted programs

- Advised program director on best practice in gifted programming

Spring – Summer, 2012

Consultant, Scientists in Residence (SiR) grant summer robotics program
Parkway School District, St. Louis Public School District, St. Louis, MO

- Program development for a three week summer robotics and problem-based learning program with physical science content relating to green energy production
- Coordinated professional development for 60 teachers who in turn used robotics in the program with 120 students in grades 3-5

Related Experience

February – May, 2013

Evaluator, *Step inside the story: Building cognitive skills through drama*

Metro Theater Company, Patch Neighborhood Center, St. Louis, MO

- Evaluated a grant project with goals to increase parent involvement, student literacy, student creative play, and teacher use of theater techniques in two high poverty preschool classrooms

2009 – 2010

Field researcher, replication study of *Acid, Acid Everywhere* PBL unit effectiveness
Center for Gifted Education, Williamsburg, VA

- Utilized the Classroom Observation Scales-Revised (COS-R) to conduct multiple classroom observations of a group of teachers of the gifted participating in a curriculum evaluation study
- Scored pre- and post-assessments (DCT) of student understanding of scientific investigation for both the treatment groups and the comparison groups
- Conducted statistical analyses of collected data

2009

Evaluator, needs assessment

Montgomery County Public Schools, Christiansburg, VA

- Created, conducted, analyzed, and reported upon a survey for district classroom to assess their needs for serving gifted students

2008 – 2009

Research assistant to Dr. Joyce VanTassel-Baska, Executive Director,
Center for Gifted Education, Williamsburg, VA

- Served as a liaison between authors and editors on two book projects
- Revised and presented Project Clarion professional development modules
- Conducted literature reviews for journal articles and book chapters
- Assisted in the revision of the Florida State Plan for the Gifted
- Co-evaluator on a needs assessment of Cumberland Valley Public Schools, Mechanicsburg, PA

2006 – present

FIRST LEGO League judge (volunteer)

- Certified Robot Design Judge, Certified Core Values Judge, Certified Project Judge
- World Festival judge, Robot Design, St. Louis, MO, 2011, 2012, 2013, 2014
- Qualifying competition judge advisor, St. Louis, MO, 2011, 2012, 2013
- State competition assistant judge advisor, St. Louis, MO, 2011
- State competition judge, Robot Design, St. Louis, MO, 2010
- Qualifying competition judge, Robot Design, Maryville University, St. Louis, MO, 2010
- Head judge, Division II, Blacksburg, VA, 2008
- State competition judge, Robot Design, Blacksburg, VA, 2006

2005 –2006

Therapeutic foster parent

Family Preservation Services, Christiansburg, VA

- Fostered an elementary-aged boy for 21 months

- Taught bicycling, swimming, and snorkeling
- Oversaw reading comprehension grade equivalent rise from 1.7 to 5.5
- Facilitated successful transition back to biological family

2003 – 2008

FIRST LEGO League coach (volunteer)

Christiansburg Elementary School, Christiansburg, VA

- Guided ten elementary students through designing and programming LEGO robots for the competition annually
- Facilitated student research and presentation for each year's topic
- Coordinated parent volunteers and university engineering student mentors
- Taught Robotic Invention System and NXT-G programming
- State Judges' Award, 2004 and 2005
- Regional Robot Design Award, 2003, 2004, and 2005
- Regional Core Values Award, 2007
- Team won multiple other awards from 2003-2009

Funded Grants and Gifts

Coxon, S. V., & Hausfather, S. (2013, 2014). *Maryville Young Scholars Program*. Proposal submitted to Emerson. Amount gifted: \$30,000 (year 1), \$40,000 (year 2).

Coxon, S. V., & Hausfather, S. (2013, 2014). *Maryville Young Scholars Scholarships to Attend the Maryville Summer Science and Robotics Program*. Proposal submitted to AT&T. Amount gifted: \$5,000 (year 1), \$5,000 (year 2).

Coxon, S. V., & Hausfather, S. (2012, 2013, 2014). *Maryville Young Scholars Summer Robotics Transportation*. Proposal submitted to the Ryan Howard Foundation. Amount gifted: \$2,000 (year 1), \$2,000 (year 2), \$3,000 (year 3).

Coxon, S. V., & Hausfather, S. (2012, 2013). *Maryville Young Scholars Program*. Proposal submitted to the Dana Brown Trust. Amount funded: \$50,000 (year 1), \$50,000 (year 2).

Coxon, S. V., & Hausfather, S. (2012). *Expanding FIRST LEGO League to Diverse Students*. Proposal submitted to the Trio Foundation. Amount funded: \$10,000.

Coxon, S. V., & Hausfather, S. (2010-2015). *Young Scholars: Nurturing Academic Potential in Underrepresented Populations*. Proposal submitted to the Saigh Foundation. Amount funded: \$20,000 (year 1), \$15,000 (year 2), \$17,500 (year 3), \$17,500 (year 4), \$20,522 (year 5).

Coxon, S. V. (2005). *FIRST LEGO League*. Proposal submitted to Appalachian Electric Power. Amount funded: \$500 (year 1), \$250 (year 2), \$250 (year 3).

Selected Submitted Grants and Gifts

Coxon, S. V., & Dohrman, R. (2014). *Children using robotics for engineering, science, technology, and mathematics (CREST-M)*. Proposal submitted to the Monsanto Fund. Amount requested: \$125,000. Notification expected November, 2014.

Coxon, S. V. (2014). *Maryville Young Scholars Program*. Proposal submitted to the Dana Brown Charitable Trust. Amount requested: \$182,600. Notification expected fall, 2014.

Coxon, S. V. (2014). *Young Scholars: Scaling up a successful model for increasing diversity in gifted education programs*. Proposal submitted to the Javits Gifted and Talented Students Education Program [USDOE]. Amount requested: \$2,114,111.06. Notification expected September, 2014.

Coxon, S. V., & Dohrman, R. (2014). *Children using robotics for engineering, science, technology, and mathematics (CREST-M)*. Proposal submitted to the Monsanto Fund. Amount requested: \$499,247 [Unfunded].

Coxon, S. V., & Dohrman, R. (2013). *Increasing interest and potential in STEM careers among diverse children and their teachers through robotics*. Proposal submitted to the National Science Foundation. Amount requested: \$2,881,353.66 [Unfunded].

Publications

Books, Book Chapters, and Monographs

Coxon, S. V. (accepted, in preparation). S is for science education: Curriculum and instructional methods for developing scientific thinking and habits. In B. D. MacFarlane (ed.), *Bright flight: Developing talent with STEM education*. Waco, TX: Prufrock.

Coxon, S. V. (in press). STEAM power: Reversing the Creativity Crisis in the science classroom. In K. H. Kim (Ed.), *Creativity in elementary classrooms*. New York: Free Spirits.

Kim, K. H., & Coxon, S. V. (in press). Fostering creativity using robotics among students in STEM fields to reverse the Creativity Crisis. In Melissa K. Demetrikopoulos and John L. Pecore (Eds.), *Interplay of creativity and giftedness in science*. Rotterdam, The Netherlands: Sense.

Coxon, S. V. (2014). On the edge of chaos: Robots in the classroom. Ambrose, D. & Sriraman, B., (Eds.). *A critique of creativity and complexity: Deconstructing clichés*. Rotterdam, Netherlands: Sense.

Kim, K. H., & Coxon, S. V. (2013). The creativity crisis, possible causes, and what schools can do about it. In J. B. Jones. & L. J. Flint (Eds.), *The creative imperative: School librarians and teachers cultivating curiosity together*. Santa Barbara, CA: Libraries Unlimited.

Coxon, S. V. (2013). *Serving visual-spatial learners*. Waco, TX: Prufrock.

Coxon, S. V. (2012). Developing creativity for future STEM innovation in young children. *Monograph of the American Creativity Association Innovation by Design Conference*. Philadelphia, PA: Drexel University. Retrieved from <http://aca.cloverpad.org/Resources/Documents/ACA%202012%20Conference%20Monograph%204.14.13e.pdf>

Coxon, S. V. (2009). Challenging neglected spatially gifted students with FIRST LEGO League. In J. VanTassel-Baska (ed.), *Addendum to leading change in gifted education*. Williamsburg, VA: Center for Gifted Education.

Refereed Publications

Senne, J., & Coxon, S. V. (under review). Architecture: A nexus of creativity, math, and spatial ability. Submitted to *Gifted Child Today*.

Cotabish, A., Dailey, D., Coxon, S. V., Adams, C., & Miller, R. (2014). The Next Generation Science Standards and high ability learners. *Teaching for High Potential*, Winter.

Coxon, S. V. (2012). Innovative allies: Spatial and creative abilities. *Gifted Child Today*, 35(4), 277-284.

Coxon, S. V. (2012). The malleability of spatial ability under treatment of a FIRST LEGO League simulation. *Journal for the Education of the Gifted*, 35(3), 291-316.

Coxon, S. V., Bland, L. C., & Chandler, K. (2012). The changing weather: Developing conceptual understanding of weather phenomena in young children. *Teaching for High Potential*, Winter, 8-9, 13-14.

Bland, L. C., Coxon, S. V., Chandler, K., & VanTassel-Baska, J. (2010). Science in the city: Meeting the needs of urban gifted students through Project Clarion. *Gifted Child Today*, 33(4), 48-57.

Coxon, S. V. (2010). FIRST LEGO League, the sport of the mind. *Teaching for High Potential*, Winter, 6-8.

Completed Studies/Publications in Preparation

Coxon, S. V. (in preparation). The correlation between media use and creativity. [2014 study].

Dohrman, R., & Coxon, S. V. (in preparation). Gender differences in parent attitudes regarding a STEM summer program. [2014 study].

Coxon, S. V. (in preparation). The correlation between spatial ability and creativity. [2013 study].

Coxon, S. V., & Ma, H. (in preparation). Changes in creativity and spatial ability scores among children and adolescents under treatment of an academic robotics program. [2012 study].

State Policy

Coxon, S. V. (2013). *Young Scholars alternate identification pilot (4-year pilot)*. Agreement to accept children from populations traditionally underrepresented in gifted education into district gifted programs based on school norms. Maryville University and the Missouri Department of Elementary and Secondary Education.

Instruments

Coxon, S. V. (2013). *Coach Fidelity Observation Scale* [Database record]. Retrieved from PsycTESTS.

Columns

Coxon, S. V. (2014). Scientifically speaking: America's untapped STEM potential, *Teaching for High Potential*, Fall.

Coxon, S. V. (2014). Scientifically speaking: Nurturing student thinking isn't a frill: It's critical! *Teaching for High Potential*, Summer.

Coxon, S. V. (2013). Scientifically speaking: No oxymoron: Differentiating the standards, *Teaching for High Potential*, Winter.

Coxon, S. V. (2013). Scientifically speaking: Enhance your classroom context: Take science to the real world, *Teaching for High Potential*, Fall.

Coxon, S. V. (2013). Scientifically speaking: The four Cs in 21st century science education, *Teaching for High Potential*, Spring.

Coxon, S. V. (2013). Scientifically speaking: Art, science, and Elmo: STEAM Ahead for Creativity, *Teaching for High Potential*, Winter, 17-18.

Coxon, S. V. (2012). Scientifically speaking: They have eyes, but do they see? *Teaching for High Potential*, Summer, 3, 13.

Coxon, S. V. (2012). Scientifically speaking: Science is a verb. *Teaching for High Potential*, Spring, 4.

Newsletter Articles

Coxon, S. V. (in press). Legacy series: Joyce VanTassel-Baska. *Conceptual Foundations Network Newsletter*. Washington, DC: NAGC.

Coxon, S. V. (2014, May). [Increasing diversity in gifted education: The Maryville Young Scholars Program](#). *GAMbit*. Gifted Association of Missouri, Summer, 50-51.

Coxon, S. V. (2014, March). The Maryville Summer Science and Robotics Program for High Ability Students. *GAMbit*. Gifted Association of Missouri, Spring, 36.

Coxon, S. V. (2013, January). Controllable but ignored: Environmental factors in early childhood that impede school success. *Early Childhood Network Newsletter*. National Association for Gifted Children: Washington D. C., 18-21.

Coxon, S. V. (2012, November). The spatially-able, a neglected population of gifted children. *Mosaic: Special Populations Network Newsletter*. National Association for Gifted Children.

Coxon, S. V. (2012, spring). The malleability of spatial ability under treatment of a FIRST LEGO League competition-based simulation. *The Bridge Newsletter*. Center for Gifted Education at The College of William and Mary. Available at http://education.wm.edu/centers/cfge/the-bridge-newsletterSpring2012/dissertation_exerpt/index.php

Book Reviews

Coxon, S. V. (in press). [Review of the book *30 days to better thinking and better living with critical thinking: A guide for improving every aspect of your life, revised and expanded*, by L. Elder & R. Paul]. *Roeper Review*.

Curriculum Units

Coxon, S. V. (2010). Design to succeed in LEGO WeDo challenges: An enrichment unit for ages 7-10. Available for download at <http://stevecoxon.com/>

Coxon, S. V. (2008). *STEMbotics: Using Edward deBono's Six Thinking Hats and LEGO NXT robotics to understand STEM careers*. Available for download at <http://stevecoxon.com/>

Lewis, P., & Coxon, S. V. (2010). *Skies on fire: Air pollution in Hampton Roads, a data-based critical thinking unit for high ability high school students*. NASA and The Center for Gifted Education, Norfolk, VA. Available for download at <http://stevecoxon.com/>

Curriculum Unit Revisions

Center for Gifted Education. (2010). *How the Sun makes our day*. Waco, TX: Prufrock.

Center for Gifted Education. (2010). *Survive and thrive*. Waco, TX: Prufrock.

Center for Gifted Education. (2010). *Invitation to invent*. Waco, TX: Prufrock.

Evaluation Reports

Coxon, S. V. (2013). Report to the Metro Theater Company on the evaluation of *Step inside the story*, St. Louis, MO.

Coxon, S. V. (2009). Needs assessment and evaluation report on Montgomery County Public Schools, Christiansburg, VA.

VanTassel-Baska, J., & Coxon, S. V. (2009). Needs assessment and evaluation report on Cumberland Valley Public Schools, Mechanicsburg, PA.

Presentations

National Juried Presentations

Coxon, S. V., & Senne, J. (2014, November). *Architecture: Where creativity and math merge*. National Association for Gifted Children Annual Convention, Creativity Network. Baltimore, MD.

- Dohrman, R., & Coxon, S. V. (2014, November). *Engaging girls in STEM with robotics*. National Association for Gifted Children Annual Convention, STEM Network. Baltimore, MD.
- Coxon, S. V. (2014, July). *Observation: The earliest critical thinking skill*. International Conference for Critical Thinking and Educational Reform, Foundation for Critical Thinking, Berkeley, CA.
- Coxon, S. V. (2013, November). *Generate some STEAM: Developing creativity in STEM through arts integration*. National Association for Gifted Children Annual Convention, Creativity Network. Indianapolis, Indiana.
- Coxon, S. V. (2013, November). *Robotics brings results: A study of creativity, spatial ability, and robotics*. National Association for Gifted Children Annual Convention, STEM Network. Indianapolis, Indiana.
- Coxon, S. V. (2013, March). *Serving visual-spatial learners*. National Curriculum Networking Conference, Center for Gifted Education, The College of William and Mary, Williamsburg, VA.
- Coxon, S. V. (2012, November). *Controllable but ignored: Environmental factors in early childhood that impede school success*. National Association for Gifted Children Annual Convention, Early Childhood Network, Denver, CO.
- Coxon, S. V. (2012, November). *Robotics for STEM success: Evaluation of a project to start robotics teams in high poverty schools*. National Association for Gifted Children Annual Convention, STEM Network, Denver, CO.
- Coxon, S. V. (2012, September). *Developing creativity for future STEM innovation in young children*. American Creativity Association Innovation by Design Conference. Drexel University, Philadelphia, PA.
- Coxon, S. V. (2012, April). *The Malleability of Spatial Ability Under Treatment of a FIRST LEGO League Competition-based Simulation*. American Educational Research Association Annual Meeting, Vancouver, Canada.
- Coxon, S. V. (2011, November). *Partners in innovation: Creative and spatial abilities*. National Association for Gifted Children Annual Convention, STEM Network, New Orleans, LA.
- Coxon, S. V., & Bilby, B. (2011, November). *To find and to serve: Experiences identifying and serving talented students in a low-income school*. National Association for Gifted Children Annual Convention, Special Populations Network, New Orleans, LA.
- Coxon, S. V. (2010, November). *The changing weather: Developing a conceptual understanding of weather phenomena in young children*. National Association for Gifted Children, Early Childhood Network, Atlanta, GA.
- Coxon, S. V. (2010, November). *The mother of invention: Involving elementary students in the invention process*. National Association for Gifted Children, STEM Network, Atlanta, GA.
- Coxon, S. V. (2010, March). *The changing weather: Developing a conceptual understanding of weather phenomena in young children*. National Curriculum Networking Conference, Center for Gifted Education, The College of William and Mary, Williamsburg, VA.
- Coxon, S. V. (2010, March). *Activities to challenge spatially gifted students*. National Curriculum Networking Conference, Center for Gifted Education, The College of William and Mary, Williamsburg, VA.
- Coxon, S. V. (2010, March). *STEMbotics: Using LEGO NXT robotics to engage students in STEM career possibilities*. National Curriculum Networking Conference, Center for Gifted Education, The College of William and Mary, Williamsburg, VA.

- Coxon, S. V. (2009, November). *Making scientists out of primary students: Project Clarion*. National Association for Gifted Children, Curriculum Network, St. Louis, MO.
- Coxon, S. V. (2009, November). *STEMbotics: Using robotics to understand STEM systems*, STEM Network, National Association for Gifted Children, St. Louis, MO.
- Coxon, S. V. (2009, March). *Serving spatially gifted children in the regular classroom*. National Curriculum Networking Conference, Center for Gifted Education, The College of William and Mary, Williamsburg, VA.
- Coxon, S. V. (2008, March). *LEGO robotics: Science, engineering, and computer programming logic*. National Curriculum Networking Conference, Center for Gifted Education, The College of William and Mary, Williamsburg, VA.
- Coxon, S. V. (2008, March). *Build It! Fun activities for problem solving and spatial reasoning*. National Curriculum Networking Conference, Center for Gifted Education, The College of William and Mary, Williamsburg, VA.
- Coxon, S. V. (2007, March). *Robots gone wild: LEGO and logic*. National Curriculum Networking Conference, Center for Gifted Education, The College of William and Mary, Williamsburg, VA.

State-Level Juried Presentations

- Coxon, S. V. (2014, October). *Developing habits of mind for young critical thinkers*. Gifted Association of Missouri Conference, Springfield, MO.
- Coxon, S. V. (2014, October). *A path forward for increasing diversity in gifted programs*. Gifted Association of Missouri Conference, Springfield, MO.
- Senne, J., & Coxon, S. V. (2014, October). *Creative architectural activities to challenge gifted students in math*. Gifted Association of Missouri Conference, Springfield, MO.
- Coxon, S. V. (2014, March). *Teach for innovation with STEAM*. Gifted Association of Missouri (District A), Maryville University, St. Louis, MO.
- Coxon, S. V. (2013, October). *Missouri leads the way toward increasing diversity in gifted programs*. Gifted Association of Missouri Conference, Springfield, MO.
- Bilby, B., & Coxon, S. V. (2012, October). *Identify and serve high ability students from poverty: The Maryville Young Scholars model*. Gifted Association of Missouri Conference, Columbia, MO.
- Coxon, S. V. (2012, February). *Robotics for the gifted*. Gifted Association of Missouri (District A), Lindenwood University, St. Charles, MO.
- Coxon, S. V. (2012, February). *Kids are scientists with creative problem-based units*. Gifted Association of Missouri (District A), Lindenwood University, St. Charles, MO.
- Coxon, S. V. (2011, October). *Partners in innovation: Creative and spatial abilities*. Gifted Association of Missouri Conference, Columbia, MO.
- Coxon, S. V. (2011, March). *Challenge kids with creative and spatial abilities in your class*. Gifted Association of Missouri (District A), Lindenwood University, St. Louis, MO.
- Coxon, S. V. (2011, March). *Creativity and computer programming? Animations and video games*. Gifted Association of Missouri (District A), Lindenwood University, St. Louis, MO.

Coxon, S. V. (2010, February). *Coaching a FIRST LEGO Robotics team*. Children's Engineering Convention, Richmond, VA.

Coxon, S. V. (2010, February). *LEGO WeDo*. Children's Engineering Convention, Richmond, VA.

Coxon, S. V. (2009, October). *Using LEGO Robotics to enhance student understanding of STEM careers*. Virginia Association for the Gifted, Virginia Conference on Gifted Education, Williamsburg, VA.

Coxon, S. V. (2009, October). *Computer programming for kids*. Virginia Association for the Gifted, Virginia Conference on Gifted Education, Williamsburg, VA.

Coxon, S. V. (2009, October). *Build it! Inexpensive activities for enhancing spatial reasoning*. Virginia Association for the Gifted, Virginia Conference on Gifted Education, Williamsburg, VA.

Coxon, S. V. (2009, February). *Build It! Fun activities for problem solving and spatial reasoning*. Children's Engineering Convention, Richmond, VA.

Commencement addresses

Coxon, S. V. (May, 2013). Commencement address. McKinley Classical Leadership Academy (public, gifted magnet middle/high school). St. Louis Public Schools. St. Louis, MO.

Symposiums

Coxon, S. V. (2011, November). In D. Pupillo (chair), *Project Parkway Panel Discussion on Gifted Education*. Symposium conducted by Parkway School District. Parkway South High School, Ballwin, MO.

Coxon, S. V. (2011, November). Applying for faculty positions. In P. Gyles and C. Walker (Chairs), *Going to graduate school in gifted education: Choosing a program, surviving, and succeeding*. Symposium conducted by the Graduate Student Committee. National Association for Gifted Children Annual Convention, New Orleans, LA.

Webinars

Coxon, S. V. (2011, April). Applying for faculty positions. In P. Gyles and C. Walker (Chairs), *Going to graduate school in gifted education: Choosing a program, surviving, and succeeding*. Webinar on Wednesday conducted by the Graduate Student Committee of the National Association for Gifted Children, Washington D.C.

Workshop presentations

Coxon, S. V. (2014, August). *Jacob's Ladder and Literary Reflections implementation in the classroom*. Professional Development Day, Kennard Classical Junior Academy (gifted magnet elementary school), St. Louis Public Schools, St. Louis, MO.

Coxon, S. V. (2013, January). *The decline in creativity among U.S. youth and what you can do about it*. Faculty Development Day, Maryville University, St. Louis, MO.

Coxon, S. V. (2012, March). *WeDo robotics*. STEM Week. Prairie View Elementary third graders. O'Fallon, MO.

Coxon, S. V. (2012, March). *NXT robotics for LEGO Cares*. Adams Elementary School LEGO Cares team. St. Louis, MO.

Coxon, S. V. (2012, January). *A critical thinking model useful across disciplines*. Faculty Development Day, Maryville University, St. Louis, MO.

Coxon, S. V. (2011, March). *Problem-based learning*. EDW: 590 Curriculum and Instruction of the Gifted. Peabody eMints Academy, St. Louis Public School System, St. Louis, MO.

- Coxon, S. V. (2010, March). *LEGO robotics*. Super Saturday for Parents of Gifted Children. Spotsylvania County Public Schools, Spotsylvania, VA.
- Coxon, S. V. (2009, September). *Critical thinking models for understanding environmental issues*. Virginia Department of Environmental Quality, Virginia Naturally, Emerging Leaders Workshop, Williamsburg, VA.
- Bland, L. C., & Coxon, S. V. (2009, January). *Think like a scientist: Project Clarion*. Fairfax County Public Schools, Falls Church, VA.
- Coxon, S. V. (2009, September). *Acid, Acid Everywhere: PBL training for fifth grade gifted educators*. Hampton County Public Schools, Hampton, VA.
- Coxon, S. V. (2009, August). *Think like a scientist: Project Clarion*. Isle of Wight County Public Schools, Isle of Wight, VA.
- Coxon, S. V. (2009, August). *Think like a scientist: Project Clarion*. Halifax County Public Schools, South Boston, VA.
- Coxon, S. V. (2009, July). *Think like a scientist: Project Clarion*. Washington County Public Schools, Abingdon, VA.
- Coxon, S. V. (2009, June). *The Center for Gifted Education science units*. Summer Institute, Center for Gifted Education, The College of William and Mary, Williamsburg, VA. [Three day session]
- Coxon, S. V. (2009, June). *Think like a scientist: Project Clarion*. Giles County Public Schools, Pearisburg, VA.
- Coxon, S. V. (2009, June). *Think like a scientist: Project Clarion*. Roanoke County Public Schools, Roanoke, VA.
- Coxon, S. V. (2009, May). *Think like a scientist: Project Clarion*. Rockbridge County Public Schools, Lexington City Public Schools, Nelson County Public Schools, Washington and Lee University education department leadership, Lexington, VA.
- Coxon, S. V. (2009, May). *Think like a scientist: Project Clarion*. Page County Public Schools, Luray, VA.
- Coxon, S. V. (2009, May). *Think like a scientist: Project Clarion*. Campbell County Public Schools, Rustburg, VA.
- Coxon, S. V. (2009, April). *Think like a scientist: Project Clarion*. Montgomery County Public Schools, Pulaski County Public Schools, Christiansburg, VA.
- Coxon, S. V. (2009, April). *Think like a scientist: Project Clarion*. Middlesex County Public Schools, Saluda, VA.
- Coxon, S. V. (2006, March). *Build It! Fun activities for problem solving and spatial reasoning*. Differentiation Marketplace, Montgomery County Public Schools, Christiansburg, VA.
- Robbins, J., & Coxon, S. V. (2009, March). *Think like a scientist: Project Clarion*. Orange County Public Schools, Orange, VA.

Invited talks

- Coxon, S. V. (2014, March). *Welcome address*. Gifted Association of Missouri (District A), Maryville University, St. Louis, MO.

- Coxon, S. V. (2013, December). *Future trek: Robots invade your classroom*. Academy of Science, St. Louis Public Schools, Maryville University. St. Louis, MO.
- Coxon, S. V. (2013, October). *Serving visual-spatial learners*. Gifted Association of Missouri Conference, Springfield, MO.
- Coxon, S. V. (2013, September). *The Maryville Young Scholars alternative gifted identification state-approved pilot plan*. MAGC, Parkway Instructional Service Center, St. Louis, MO.
- Coxon, S. V. (2013, September). *Creativity for problem-based learning*. Kennard Junior Classical Academy. St. Louis Public Schools. St. Louis, MO.
- Coxon, S. V. (2013, March). *Precocious, intense, complex: Understanding the special needs of gifted children*. Meeting of the Hazelwood School District parents of the gifted group, Hazelwood, MO.
- Coxon, S. V. (2013, January). *Future trek: Robots invade your classroom*. Academy of Science, St. Louis Public Schools, Maryville University. St. Louis, MO.
- Coxon, S. V. (2012, December). *Creativity*. Ladue School District, St. Louis, MO.
- Coxon, S. V. (2012, December). *Multi-exceptional children in the elementary gifted program*. Ladue School District, St. Louis, MO.
- Coxon, S. V. (2012, November). *Increase Diversity in Your District with The Maryville Young Scholars Model*. St. Louis Metro Council. Maryville University, St. Louis, MO.
- Coxon, S. V. (2012, October). *Precocious, intense, complex: Understanding the special needs of gifted children*. Meeting of the Lindbergh LEAP parents group. Dressel School, Lindbergh, MO.
- Coxon, S. V. (2012, May). *Problem-based Learning*. Webster Groves School District gifted faculty. Maryville University, St. Louis, MO.
- Coxon, S. V. (2011, November). *Serving students with challenges requiring spatial and creative abilities*. Ladue School District gifted faculty. Reed Elementary School, Ladue, MO.
- Coxon, S. V. (2011, April). *The benefits of academic competitions for gifted children*. Webster Groves School District gifted faculty. Early Years Family Center, Webster Groves, MO.
- Coxon, S. V. (2011, April). *Identifying gifted students from traditionally underserved populations*. Webster Groves School District gifted faculty. Early Years Family Center, Webster Groves, MO.
- Coxon, S. V. (2010, November). *Overview of research on acceleration and accelerative policy recommendations*. Parkway Public Schools Acceleration Committee. Southwest Middle School, Manchester, MO.
- Coxon, S. V. (2004, August – 2006, December). *Education in Malawi, Africa*. Two churches and a school, Radford, Christiansburg, and Blacksburg, VA.

Guest Lectures

- Coxon, S. V. (2014, June). *The Maryville Young Scholars Program as a model for increasing diversity in gifted programs*. EDUC 697: Special Populations in Education, Maryville University, St. Louis, MO.

- Coxon, S. V. Bilby, B., Brown, C., Dragoni, M., Engelkenjohn, K., & Schoeck, M. (2014, April). *Differentiation for beginning teachers*. EDUC 400, 402, 403, 404, 405: Student Teaching Seminar (elementary, art, early childhood, high school, middle school), Maryville University, St. Louis, MO.
- Coxon, S. V. (2013, December). *Problem-based learning in the elementary school*. EDW 615: Curriculum and Instruction for the Gifted Course for Young Scholars Program Faculty, Bermuda Elementary, St. Louis, MO.
- Coxon, S. V. (2013, October). *Maryville's precollegiate robotics program*. Academic Affairs Advisory Board, Maryville University, St. Louis, MO.
- Coxon, S. V. (2013, September). *Academic publishing*. Higher educational doctoral seminar class, Maryville University, St. Louis, MO.
- Coxon, S. V. (2013, September). *Make a real, working robot*. Alumni Weekend, Maryville University, St. Louis, MO.
- Coxon, S. V. (2012, December). *Problem-based learning in the elementary science classroom*. EDUC 615: Curriculum and Instruction for the Gifted, Young Scholars section. Johnson-Wabash Elementary School, Ferguson-Florissant School District, Ferguson, MO.
- Coxon, S. V. (2012, October). *Robots invade the classroom*. Family Weekend. Maryville University, St. Louis, MO.
- Coxon, S. V. (2012, June). *LEGO robotics and creativity*. EDUC 329: Creative Problem Solving. Maryville University, St. Louis, MO.
- Coxon, S. V. (2012, February). *Problem-based learning*. EDUC: 615 Curriculum and Instruction of the Gifted. Peabody eMints Academy, St. Louis Public School System, St. Louis, MO.
- Coxon, S. V. (2011, October). *Creativity in the sciences with robotics*. EDUC 333: Integrating the Arts. Maryville University, St. Louis, MO.
- Coxon, S. V. (2011, October). *Robots invade the classroom: Education and outreach at Maryville University*. Family Weekend. Maryville University, St. Louis, MO.
- Coxon, S. V. (2011, June). *Robotics and critical thinking*. EDUC 629: Creative Problem Solving. Maryville University, St. Louis, MO.
- Coxon, S. V. (2010, April). *Advocacy in gifted education*. EDUC 670: Gifted Program Planning. The College of William and Mary, Williamsburg, VA.
- Coxon, S. V. (2010, April). *The profession of teaching*. Social and Philosophical Foundations of Education. The College of William and Mary, Williamsburg, VA.
- Kim, M., & Coxon, S. V. (2009, December). *Advanced Placement overview for visiting Japanese teachers*. The College of William and Mary, Williamsburg, VA.
- Rose, V., & Coxon, S. V. (2009, March). *Problem-based learning: Saturday Enrichment Program faculty development*. Center for Gifted Education, The College of William and Mary, Williamsburg, VA.

Poster Sessions

- Coxon, S. V. (2011, November). *Rampaging robots: Results of an intervention study of spatial ability and LEGO robotics*. National Association for Gifted Children Annual Convention, New Orleans, LA.

Service

Editorships/Reviewerships

2014 – present	Reviewer, <i>Journal of Advanced Academics</i>
2013 – present	Reviewer, National Association for Gifted Children annual convention, Creativity Network
2012 – present	Book review section editor, <i>Roeper Review</i>
2011 – present	Reviewer, <i>Teaching for High Potential</i>
2011 – present	Reviewer, National Association for Gifted Children annual convention, Special Populations Network
2010 – present	Reviewer, <i>Journal for the Education of the Gifted</i>
2009 – 2010	Assistant editor, <i>Journal for the Education of the Gifted</i>
2009 – present	Reviewer, American Educational Research Association (AERA) annual meeting, Special Interest Group (SIG) in Research on Giftedness, Creativity, and Talent
2008	Reference editor, <i>Leading change in gifted education</i> . Waco, TX: Prufrock.

National-level Service

2014	Invited book reviewer, National Association for Gifted Children
2012	Invited book reviewer, Pearson
2011 – present	<i>Teaching for High Potential</i> Editorial Advisory Board, NAGC
2011 – present	Special Populations Committee, National Association for Gifted Children
2009 – 2011	Graduate Student Committee, National Association for Gifted Children

State-level Service

2014 – 2018	Advisory Council on the Education of Gifted and Talented Children Four year appointment by the Missouri Commissioner of Education
2013 – present	Gifted Association of Missouri Higher Education Task Force
2013 – present	Co-sponsor, annual Gifted Association of Missouri District-A Conference at Maryville University

University-level Service

2014	Scorer, Pathways critical thinking project
2014	Reviewer, Undergraduate research proposals
2013 – 2014	Strategic Planning Task Force: Experiential & Innovative Learning
2012 – 2013	Technology Associate, Maryville University
2011 – present	Bascom Honors Committee, Maryville University

2011 – present Core Curriculum Committee, Maryville University

2011 – 2012 Academic Advising Associate, Maryville University

2010 – present President’s Cabinet, Maryville University

School of Education Service

2013 – present Chair, Maryville Young Scholars Program Advisory Board, School of Education, Maryville University

2012 – present Adviser, Maryville Education Club (NEA affiliate), School of Education, Maryville University

2010 – present Graduate Admissions Committee, School of Education, Maryville University

2010 – present Chair, Technology Committee, School of Education, Maryville University

2010 – present Chair, Programs in Gifted Education Advisory Board, Maryville University

2009 – 2010 Environmental Sustainability Committee, School of Education, The College of William and Mary

Public School Service

2013 – present Peabody School Task Force, Peabody School, St. Louis Public Schools, St. Louis, MO

2011 – 2012 Project Parkway Gifted Advisory Team, Parkway School District, Chesterfield, MO

2005 – 2008 Gifted Evaluation Committee, Christiansburg Elementary School, Christiansburg, VA

2004 – 2007 Safety Committee, Christiansburg Elementary School, Christiansburg, VA

2003 – 2007 Superintendent’s Advisory Council, Montgomery County Public Schools, Christiansburg, VA

2002 –2004 Curriculum with Coherence Committee (co-chair), Christiansburg Elementary School, Christiansburg, VA

2002 – 2004 Site Council, Christiansburg Elementary School, Christiansburg, VA

Community Service

2014 – present Magic House Educational Advisory Committee

2014 – present FIRST LEGO League Growth and Outreach Committee (St. Louis region)

2014 – present InspireSTL Academic Preparation Committee

2012 – present @GiftedEdStLouis Twitter feed

2010 – present FIRST LEGO League Planning Committee (St. Louis region)

Honors and Awards

- 2013 Adviser of the Year Award, Maryville University
- 2010 Joyce VanTassel-Baska Award for Excellence in Gifted Education, The College of William and Mary
- 2008 Regional Volunteer Award, Blacksburg-region FIRST LEGO League
- 2004 Fulbright-Hays Grant to teach in Malawi, Africa
- 1999 William Hahn Memorial Teaching Scholarship
- 1995 National Merit Scholar Semifinalist
- 1994 Rotary Youth Leadership Award

Certifications, Memberships, and Selected Travel

Certifications

- 2001 Elementary Education preK-6 and English 6-12 in Virginia
- 2000 English Education 6-12 in California

Memberships

- 2012 – present Missouri National Education Association
- 2012 – present American Creativity Association
- 2011 – 2012 International Reading Association
- 2010 – present Gifted Association of Missouri
- 2009 – 2010 Kappa Delta Pi International Honor Society in Education
- 2009 – present American Educational Research Association
- 2006 – present National Association for Gifted Children
- 2001 –2008 Virginia Education Association
- 2001 –2008 Montgomery County Education Association
- 2000 – 2001 California Teachers Association

Selected Travel Experience

- July, 2013 England
- August, 2009 France and the Netherlands
- June, 2007 Thailand
- July, 2006 St. John, U.S. Virgin Islands; England; Scotland
- July – August, 2004 Malawi
- Six weeks modeling the teaching of writing and science on a Fulbright-Hays Grant

- Hosted a Malawian teacher in my home and in my classroom in October, 2004

2000 – 2003

Denmark, Sweden, the Netherlands, Russia, Mexico, Luxembourg, Belgium, Germany, and Austria

May – July, 1998

England, Scotland, Spain, France, Italy, Austria, Czech Republic, Hungary, Germany, and the Netherlands

- Six weeks of literary study abroad in the U.K.
- Six weeks of continental travel