

# Vinson Robert Carter, Ph.D.

University of Arkansas, Fayetteville, AR  
College of Education and Health Professions  
Department of Curriculum and Instruction  
Career and Technical Education Program:  
Technology Education and Elementary STEM Education  
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## Educational Background

- 2013      Ph.D., Curriculum and Instruction, University of Arkansas, Fayetteville, AR  
Dissertation Title: *Defining Characteristics of an Integrated STEM Curriculum in K-12 Education*
- 2003      M.A.T., Vocational Education, University of Arkansas, Fayetteville, AR
- 2002      B.S., Vocational Education, University of Arkansas, Fayetteville, AR
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## Professional Experiences

- 2014 – Pres.    Assistant Professor of STEM Education, University of Arkansas, Fayetteville, AR
- 2014 – 2017    STEM Education Professional Development Consultant, Cherokee Nation  
Education Services, Tahlequah, OK
- 2008 - 2014    Clinical Instructor of Career and Technical Education, University of Arkansas,  
Fayetteville, AR
- 2011 – 2013    Curriculum Writer, Preparation for Tomorrow –Innovations in Science and  
Technology, Arkansas Department of Career Education (ACE) and Southern  
Regional Education Board (SREB)
- 2003 – 2008    Teacher, Technology and Engineering Education, Springdale Public Schools,  
Springdale, AR
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## Scholarly Publications

- Wisch, J. K., Ousterhout, B. H., Carter, V., & Orr, B., (2018). The grading gradient: Teacher motivations for varied redo and retake policies. *Studies in Educational Evaluation*, 58(1), 145-155.
- Deaton, S., Carter, V., & Daugherty, M.K. (2018). Getting back to the roots of family and consumer sciences education: FACS and STEM integration. *Journal of Family and Consumer Sciences*, 110(1), 55-58.

- Carter, V. & Burgin, S. R. (2018). The challenges of figure overuse in STEM education: Lessons learned from the recent history of science education. *K-12 STEM Education*, 4(1), 305-311.
- Daugherty, M. K., Kindall, H. D., Carter, V., Swagerty, L. M., Wissehr, C., & Robertson, S. (2017). Integrating informational text and STEM: An innovative and necessary curricular approach. *The Journal of STEM Teacher Education*. 52(1), 3-16.
- Sagely, M., Beshears, B., Carter, V., & Daugherty, M. K. (2017). Lighting up the holidays. *Children's Technology and Engineering*, 22(1), 7-11.
- Daugherty, M. K. & Carter, V., (2017). The nature of interdisciplinary STEM education. In de Vries, M. J. (Eds.), *Handbook of Technology Education* (pp. 159-173). Cham, Switzerland: Springer International.
- Rose, M. A., Carter, V., Brown, J., & Shumway, S. L. (2017). Status of elementary teacher development: Preparing elementary teachers for technology and engineering experiences. *Journal of Technology Education*, 28(2), 2-18.
- Orona, C., Carter, V., & Kindall, H. (2017). iSTEM: Understanding standard units of measurement. *Teaching Children's Mathematics*, 23(8), 500-503.
- Carter, V., Kindall, H. D., & Elsass, A. (2016). Engineering a play: An approach to integrated instruction. *Children's Technology and Engineering*, 21(2), 10-13.
- Carter, V., Beachner, M., Orona, C., & Daugherty, M. K. (2016). T-shaped elementary STEM teachers. *Children's Technology and Engineering*, 21(1), 10-13.
- Smith, E., Kindall, H. D., Carter, V., & Beachner, M. (2016). Impact of adopt-a-classroom partnerships between K-12 and University faculty. *School Community Journal*, 26(1), 163-182.
- Carter, V., Kindall, H. D., & Elsass, A. (2016). Integrating design and social studies: Engineering a play. *Children's Technology and Engineering*, 20(3), 10-13.
- Siebenmorgen, R. P., Edgar, D. W., Carter, V., & Johnson, D. M. (2016). An evaluation of teaching methods based of cognitive achievement. *Journal of Agricultural Systems, Technology, and Management*, 27(1), 1-14.
- Daugherty, M. K., Carter, V., Havice, W., (2015) Elementary education: Teaching in an integrated STEM program. In Hoepfl, M. (Eds.). *Exemplary teaching practices in technology and engineering education* (pp. 33-55). 61<sup>st</sup> Yearbook of the Council on Technology and Engineering Teacher Education, Reston, VA: Council on Technology and Engineering Teacher Education.
- Rose, M. A., Shumway, S. L., Carter, V., & Brown, J. (2015). Identifying characteristics of technology and engineering teachers striving for excellence using a modified Delphi. *Journal of Technology Education*, 26(2), 2-21.

- Aronson, S. L., Orr, B., Carter, V., & Beachner, M. (2015). Best practices and assistive technology tools for students with disabilities used in a career and technical education classroom. *American Technical Education Association Journal*, 42(1), 34-37.
- Carter, V., Beachner, M., & Daugherty, M. K. (2015). Family and consumer sciences and STEM integration. *Journal of Family and Consumer Sciences*, 107(1), 55-59.
- Beachner, M., Daugherty, M. K., Carter, V., Swagerty, L., & Wissehr, C. (2015). Expanding earth science in STEM: A model. *Journal of STEM Teacher Education*, 50(1), 61-75.
- Daugherty, M. K., Carter, V., & Swagerty, L. (2014). Elementary STEM education: The future for technology and engineering education? *The Journal of STEM Teacher Education*, 49(1), 45-56.
- Carter, V., Orr, B., McGriff, M., Thompson, C., & Sonawane, S. (2014). Critical incidents in classroom management during student teaching internships and their effect on the teaching profession: Perceptions of student teachers in the United States and India. *US-China Education Review*, 4(4), 209-228.
- Carter, V., Daugherty, M. K., Wissehr, C., & Orr, B. (2013). Defining characteristics of an integrated STEM curriculum in K-12 education. In Ereksion, T. L. (Eds.) *Proceedings of the 100<sup>th</sup> Meeting of the Mississippi Valley Technology Teacher Education Conference* (109-121). Chicago, IL: Mississippi Valley Technology Teacher Education Conference.
- Daugherty, M. K. & Carter, V. (2013). Technology teacher education: New approaches and strategies. In Ereksion, T. L. (Eds.) *Proceedings of the 100<sup>th</sup> Meeting of the Mississippi Valley Technology Teacher Education Conference* (51-59). Chicago, IL: Mississippi Valley Technology Teacher Education Conference.
- Carter, V. (2013). Disruptive innovation in technology and engineering education: A review of three works by Clayton Christensen and Colleagues. *Journal of Technology Education*, 24(2), 96-103.
- Daugherty, M. & Carter, V. (2011). Drafting with design in mind. *Technology and Engineering Teacher*, 70(5), 5-8.
- Daugherty, M. & Carter, V. (2010). Renewable energy technology. *Technology Teacher*, 69(5), 24-28.

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### **Scholarly Publications in Press**

- Bolton, A., Edgar, D. W., & Carter, V. (in press). Successful secondary agricultural programs outside the classroom: A view of champions. *Journal of Agricultural Education*.
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## Scholarly Publications under Review

Smith, E., Young, H. D., Carter, V. (under review). Using technology to facilitate P-20 education partnerships in rural communities. In M. Reardon & J. Leonard (Eds.) *Integrating digital technology in education: School-university-community collaboration*. Boston: University of Massachusetts.

Carter, V., Deaton, S., Orr, B. (under review). Highlighting Mathematical Practices in STEM and Family and Consumer Sciences Education Integration. *Journal of Family and Consumer Sciences*.

Daugherty, M. K., Kindall, H., Carter, V., & Whitfield, T. (under review). Raising the flag: A design challenge fostering 21<sup>st</sup> century skills. *Journal of STEM Arts, Craft, and Constructions*.

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## Scholarly Publications in Progress

Daugherty, M. K. & Carter, V. (in progress). *The Mississippi Valley Conference in the 21<sup>st</sup> century: Fifteen years of influence on thought and practice*. Reston, VA: Council on Technology and Engineering Teacher Education.

Carter, V. & Daugherty, M. K., (in progress). The Mississippi Valley Technology Teacher Education Conference and the Future of the Profession. In M.D. Daugherty & V. Carter (Eds.). *The Mississippi Valley Conference in the 21<sup>st</sup> century: Fifteen years of influence on thought and practice*. Reston, VA: Council on Technology and Engineering Teacher Education.

Daugherty, M. K. & Carter, V. (in progress). In M.D. Daugherty & V. Carter (Eds.). *The Mississippi Valley Conference in the 21<sup>st</sup> century: Fifteen years of influence on thought and practice*. Reston, VA: Council on Technology and Engineering Teacher Education.

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## Grant Writing

2018 CO-PI, Teachers & Researchers Advancing Innovative Lessons in STEM (TRAILS) 2.0, \$1,862,860, National Science Foundation, Innovative Technology Experiences for Students and Teachers (ITEST), Successful Project Expansion and Dissemination (SPrEaD). This project is an expansion grant from the original NSG ITEST – TRAILS 1.0 grant at Purdue University. I am the PI at the University of Arkansas and the *sub award* to the UA will be \$682,791. This project is currently under review.

- 2018 CO-PI, *Fulbright Teaching Excellence and Achievement (TEA) Program for Secondary Teachers of Science, Math, English and Special Education at the University of Arkansas*, \$200,000, International Research and Exchanges Board. This project is currently under review.
- 2018 CO-PI, *In defense of play: "Making Space" for tinkering and STEAM learning cultivates critical thinking, creativity, language, and social-emotional growth in early childhood*, \$107,042, University of Arkansas Chancellor's Innovation and Collaboration Grant. This project was not funded.
- 2016 CO-PI, *Iraqi Teacher's STEM Education Grant*. U.S. Embassy in Baghdad. This project was funded for \$101,448. This initiative provided faculty at Iraqi colleges and universities professional development training in developing science, technology, engineering and mathematics (STEM) teacher education programs.
- 2016 CO-PI, *Developing Computer Science Skills, Interests, Attitudes, and Perceptions in Middle School Students Using a Physical Computing Model of Instruction*, \$49,000, Spencer Foundation. This project was not funded.
- 2015 Co-PI, *Improving the Retention of American Indian Students in STEM Disciplines at Two Sub-Baccalaureate Technical Colleges*, 487,307, National Science Foundation, EHR Core Research (ECR). This project was not funded.
- 2013 Co-PI, *Real STEM*, \$748,785, National Science Foundation, Innovative Technology Experiences for Students and Teachers (ITEST). This project was not funded.

### **Professional Honors & Awards**

- 2018 Outstanding Research Award, Department of Curriculum and Instruction, University of Arkansas,
- 2018 Faculty Gold Medal Award, Office of Nationally Competitive Awards, University of Arkansas
- 2018 Outstanding Mentor Award, Office of Nationally Competitive Awards, University of Arkansas
- 2017 Appointed as Foreign Expert of STEM Education in the International Training Program at the Beijing Institute of Education: Chaoyang Branch, Beijing, China.
- 2017 Outstanding Mentor Award, Office of Nationally Competitive Awards, University of Arkansas

- 2017 Co-Recipient, Gerhard Salinger Award for Enhancing Integrated STEM Education through Technological and Engineering Design-Based Instruction, International Technology and Engineering Educators Association
- 2016 Outstanding Mentor Award, Office of Nationally Competitive Awards, University of Arkansas
- 2016 Co-Recipient of the Council on Technology and Engineering Teacher Education Silvius-Wolansky Outstanding Publication Award for *Identifying Characteristics of Technology and Engineering Teachers Striving for Excellence Using a Modified Delphi*
- 2016 Outstanding Research Award, Department of Curriculum and Instruction, University of Arkansas
- 2015 Rising Star Award, Department of Curriculum and Instruction, University of Arkansas
- 2015 Outstanding Mentor Award, Office of Nationally Competitive Awards, University of Arkansas
- 2014 Volunteer of the Year, VEX Robotics, Fayetteville Public Schools
- 2014 Educator of the Year, Arkansas Technology and Engineering Educators
- 2010 21st Century Leadership Academy Associate, International Technology and Engineering Educators Association's (ITEEA) Council on Technology Teacher Education (CTTE)
- 2010 Outstanding Affiliate Representative, International Technology and Engineering Educators Association's (ITEEA)
- 2009 Teacher of the Year, Arkansas Association of Skilled and Technical Sciences
- 2009 Donald Maley Spirit of Excellence Outstanding Graduate Student Citation, International Technology Education Association
- 2004 New Teacher of the Year, Arkansas Trade and Industrial Education Association.

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### **Professional Leadership & Service**

- 2018 Faculty Mentor, University of Arkansas Students selected to attend the NASA Pre-service Teacher Institute at the Marshall Space Center in Huntsville, AL
- 2017-2018 Chair, University Teacher Education Board, University of Arkansas

- 2017 Faculty Mentor, University of Arkansas Students selected to attend the NASA Pre-service Teacher Institute at the Marshall Space Center in Huntsville, AL
- 2017-Pres. Treasurer, Council on Technology and Engineering Teacher Education
- 2016 Faculty Mentor, University of Arkansas Students selected to attend the NASA Pre-service Teacher Institute at the Marshall Space Center in Huntsville, AL
- 2015-Pres. Member, Excellence in Pre-Service Teacher Training Task Force, International Technology and Engineering Educators Association
- 2015-Pres. Co-Chair, STEM Division, Northwest Arkansas Career and Technical Education Partnership and Steering Committee
- 2015-Pres. Member, Career and Technical Education Advisory Council, Siloam Springs Public Schools
- 2014– Pres. Member, Northwest Arkansas Career and Technical Education Partnership and Steering Committee
- 2014-2015 Chair, University Teacher Education Board, University of Arkansas
- 2013-Pres. Member, University Teacher Education Board, University of Arkansas
- 2012– Pres. Executive Board of Directors, International STEM Education Association
- 2012– Pres. Member, Membership Chair, Archivist, and Webmaster, Mississippi Valley Technology Teacher Educators Conference
- 2011–2014 President, Engineering and Technology Education Division, Arkansas Association for Career and Technical Education
- 2011–2016 Journal Review Board Member, *Technology and Engineering Teacher*, International Technology and Engineering Educators Association
- 2010-Pres. Member, Council on Technology and Engineering Teacher Education
- 2010-Pres. Member, Teacher Preparation Committee, Council on Technology and Engineering Teacher Education
- 2010-Pres. University of Arkansas College of Education and Health Professions Teacher Education Scholarship Committee Member
- 2009 – 2017 Affiliate Representative, Arkansas, Region 3, International Technology Education Association
- 2009 – 2011 State Director, Arkansas Technology Student Association
- 2008 - 2018 Member, College of Education and Health Professions Honors Council, University of Arkansas

- 2008-Pres. Advisor, Technology and Engineering Education Collegiate Association, University of Arkansas
- 2008-Pres. Member, International Technology and Engineering Educator's Association
- 2008-Pres. Member, Engineering Academy Advisory Council, Springdale High School
- 2008-Pres. Member, Career and Technical Education Advisory Council, Springdale High School
- 2008-Pres. Member, Teacher Preparation Advisory Council, Springdale High School
- 2008-Pres. Member, Career and Technical Education Advisory Council, Fayetteville Public Schools
- 2008-Pres. Member, Career and Technical Education Advisory Council, Farmington Public Schools
- 2007 – 2014 Executive Board of Directors, Arkansas Association for Career and Technical Education
- 2007 – 2010 President, Arkansas Association of Skilled and Technical Sciences
- 2003 – 2007 Advisor, Arkansas B.E.S.T. (Boosting Engineering Science and Technology) Robotics
- 2003 – 2006 Executive Board of Directors, Arkansas Technical and Industrial Education Association
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### **Professional Presentations**

- Smith, E., Young, H. D., & Carter, V. (2019, February, under review). Using old and new technologies to facilitate P-20 partnerships in STEM. American Association for Colleges for Teacher Education Annual Meeting, Louisville, KY. *Refereed.*
- Deaton, S. & Carter, V. (2017, July). *STEM Integration in the FACS classroom*. Arkansas Career and Technical Educators. Hot Springs, AR. *Invited.*
- Daugherty, M. K. & Carter, V. (2018, July). Student-centered learning and experiential teaching. International Training Program at the Beijing Institute of Education: Chaoyang Branch, Beijing, China. *Refereed.*
- Daugherty, M.K., & Carter, V. (2018, April). *Captivating them early: Elementary STEM that works*. International Technology and Engineering Educators Association. Atlanta, GA. *Refereed.*



- Carter, V., Brown, J., Maynard, J., & Emory, N. (2018, April). *Navigating the ITEEA Conference*. International Technology and Engineering Educators Association. Atlanta, GA. *Refereed*.
- Daugherty, M. K. & Carter, V. (2017, October). *Cooperative learning strategies in the STEM classroom*. International STEM Education Association (ISEA). Branson, MO. *Refereed*.
- Daugherty, M. K. & Carter, V. (2017, July). *Interdisciplinary STEM curriculum design and teaching*. International Training Program at the Beijing Institute of Education: Chaoyang Branch, Beijing, China. *Refereed*.
- Deaton, S. & Carter, V. (2017, July). *STEM Integration in the FACS classroom*. Arkansas Career and Technical Educators. Hot Springs, AR. *Invited*.
- Carter, V. & Daugherty, M. K. (2016, June). *Paper engineering design challenges in the STEM classroom*. Cherokee Nation Teachers of Successful Students Summer Institute, Tahlequah, OK. *Invited*.
- Daugherty, M. K. & Carter, V., (2016, June). *Using construction blocks in the integrated STEM classroom*. Cherokee Nation Teachers of Successful Students Summer Institute, Tahlequah, OK. *Invited*.
- Daugherty, M. K. & Carter, V., (2016, June). *Building electrical circuits in the integrated STEM classroom*. Cherokee Nation Teachers of Successful Students Summer Institute, Tahlequah, OK. *Invited*.
- Daugherty, M. K. & Carter, V., (2016, June). *Developing STEM quick challenges*. Cherokee Nation Teachers of Successful Students Summer Institute, Tahlequah, OK. *Invited*.
- Carter, V., & Daugherty, M.K. (2017, March). *Developing an elementary STEM laboratory*. International Technology and Engineering Educators Association. Dallas, TX. *Refereed*.
- Daugherty, M.K., & Carter, V. (2017, March). *Using scientific evidence to drive engineering design*. International Technology and Engineering Educators Association. Dallas, TX. *Refereed*.
- Carter, V., Daugherty, M.K., & Deaton, S. (2016, December). *STEM integration in the family and consumer sciences classroom*. Association for Career and Technical Education (ACTE) Vision Conference. Las Vegas, NV. *Refereed*.
- Daugherty, M. K. & Carter, V. (2016, December). *Delivering engaging project-centered/hands-on STEM learning with a literacy connection*. Association for Career and Technical Education (ACTE) Vision Conference. Las Vegas, NV. *Refereed*.
- Carter, V. (2016, October). *Developing Integrated STEM Curriculum*. International Science, Mathematics and Technology Education Conference (ISMTEC). Bangkok, Thailand. *Refereed*.

- Carter, V., Kindall, H. D., & Elsass, A. (2016, October). *Engineering a play*. International STEM Education Association (ISEA). Branson, MO. *Refereed*.
- Carter, V., Rose, M. A., Shumway, S. L., & Brown, J. (2016, March). *Status of elementary teacher development: Preparing elementary teachers for technology and engineering experiences*. International Technology and Engineering Educators Association. Washington DC. *Refereed*.
- Daugherty, M. K. & Carter, V. (2015, October). *STEM through kinetic folk art*. International STEM Education Association (ISEA). Branson, MO. *Refereed*.
- Daugherty, M. K. & Carter, V., Swagerty, L. (2015, June). *Education panel: STEM teacher preparation*. Kansas City Makers Faire, Kansas City, MO. *Invited*.
- Daugherty, M. K. & Carter, V., Swagerty, L. (2015, June). *Using literature to integrate STEM*. Cherokee Nation Teachers of Successful Students Summer Institute, Tahlequah, OK. *Invited*.
- Daugherty, M. K. & Carter, V. (2015, April). *STEM through kinetic folk art*. ARTful Teaching Conference. Morrilton, AR. *Invited*.
- Swagerty, L., Daugherty, M. K. & Carter, V. (2015, March). *Changing student dispositional attitudes with engaging STEM*. International Technology and Engineering Educators Association, Milwaukee, WI. *Refereed*.
- Daugherty, M. K. & Carter, V. (2015, March). *University and elementary STEM collaborations*. International Technology and Engineering Educators Association. Milwaukee, WI. *Refereed*.
- Orr, B., Aronson, S., & Carter V., (2014, April). *Best Practices in the Inclusion Classroom* Ireland International Conference on Education. Dublin Ireland. *Refereed*.
- Carter, V., Daugherty, M. K., & Swagerty, L. (2014, October). *Proven professional development strategies for implementing integrated STEM education in the elementary classroom*. International STEM Education Association (ISEA). Branson, MO. *Refereed*.
- Daugherty, M. K., Carter, V., & Swagerty, L. (2014, October). *Literature-based STEM design Challenges*. International STEM Education Association (ISEA). Branson, MO. *Refereed*.
- Daugherty, M. K., Carter, V., & Swagerty, L. (2014, October). *Using quick STEM challenges to engage elementary students in STEM content*. International STEM Education Association (ISEA), Branson, MO. *Refereed*.
- Carter, V. & Beachner, M. (2014, July). *Digital tools for the CTE classroom*. Arkansas Association for Career and Technical Education. Hot Springs, AR. *Refereed*.

- Swagerty, L., Daugherty, M. K., Carter, V., & Wissehr, C. (2014, March). *Delivering CCSS & NGSS through integrated STEM in the elementary grades*. International Technology and Engineering Educators Association. Orlando, FL. *Refereed*.
- Carter, V., Rose, M. A., Shumway, S. L., & Brown, J. (2014, March). *Characteristics of technology and engineering teachers striving for excellence*. International Technology and Engineering Educators Association. Orlando, FL. *Refereed*.
- Carter, V., Daugherty, M. K., Wissehr, C., & Orr, B. (2013, November). *Defining characteristics of an integrated STEM curriculum in K-12 education*. Mississippi Valley Technology Teacher Education Conference. Chicago, IL. *Refereed*.
- Daugherty, M. K. & Carter, V. (2013, November). *Technology and engineering education and elementary STEM teacher preparation*. Mississippi Valley Technology Teacher Education Conference. Chicago, IL. *Refereed*.
- Daugherty, M. K., Carter, V. (2013, October). *Integrating STEM in the elementary classroom*. International STEM Education Association (ISEA). Branson, MO. *Refereed*.
- Daugherty, M. K., Carter, V. (2013, October). *Strategies for creating a STEM laboratory in your elementary school*. International STEM Education Association (ISEA). Branson, MO. *Refereed*.
- Carter, V. (2013, July). *Problem-based learning in engineering and technology education*. Arkansas Association for Career and Technical Education. Hot Springs, AR. *Refereed*.
- Carter, V. & Daugherty, M. K. (2013, June). *Safety in the engineering and technology education classroom*, Arkansas Department of Career Education Workshop. Fayetteville, AR. *Invited*.
- Orr, B., & Carter, V. (2013, May). *Perceptions concerning classroom management skills needed by career and technical education student teachers/interns*. International Conference on Education. Athens, Greece. *Refereed*.
- Daugherty, M. K., Carter, V., & Swagerty, L. (2013, March). *Elementary STEM education*. International Technology and Engineering Educators Association (ITEEA) Conference. Columbus, OH. *Refereed*.
- Daugherty, M. K., Carter, V. (2012, October). *Preparing teachers to teach integrated STEM*. International STEM Education Association Conference. Branson, MO. *Refereed*.
- Daugherty, M. K., Carter, V. (2012, October). *Delivering hands-on integrative STEM education in the elementary classroom*. International STEM Education Association Conference. Branson, MO. *Refereed*.
- Carter, V. & Daugherty, M. K. (2012, June). *Problem-based learning in the engineering and technology education classroom*. Arkansas Department of Career Education Workshop, Fayetteville, AR. *Invited*.

- Daugherty, M. K., Carter, V. (2012, April). *Problem-based learning in STEM education*. Concord School District. Concord, NC. *Invited*.
- Daugherty, M. K., Carter, V. (2012, March). *Renewable energy technology*. International Technology and Engineering Educators Association (ITEEA) Conference. Long Beach, CA. *Refereed*.
- Forget, M. & Carter, V. (2011, September). *MAX Teaching imbedded reading and writing coaching*. Oklahoma Department of Education, Frederick Douglas Middle and High Schools. Oklahoma City, OK. *Invited*.
- Carter, V. (2011, April). *MAX Teaching with reading and writing*. Pennsylvania Department of Education, Dobbins High School. Philadelphia, PA. *Invited*.
- Carter, V. (2011, July). *Digital presentation techniques in the CTE classroom*. Arkansas Association for Career and Technical Education Conference. Hot Springs, AR. *Refereed*.
- Daugherty, M. K., Carter, V. (2010, March). *Renewable energy technology*. International Technology and Engineering Educators Association (ITEEA) Conference, Charlotte, NC. *Refereed*.
- Carter, V. (2009, October). *Web technologies in the classroom*. Master Principal Institute Technology Training, Arkansas Leadership Academy, Winthrop Rockefeller Institute. Petit Jean, AR. *Invited*.
- Carter, V. (2009, March). *STEM integration for English language learners*. International Technology Education Association (ITEA) Conference. Louisville, KY. *Refereed*.
- Carter, V. (2009, February). *Improving literacy in career and technical education*. Monett High School, Teacher In-Service. Monett, MO. *Invited*.
- Carter, V. (2008, November). *Web 2.0 in the technology and engineering education classroom*. Four-State Regional Technology Conference, Pittsburgh State University. Pittsburgh, KS. *Refereed*.
- Carter, V. (2008, October). *Technology in the classroom*. Master Principal Institute Technology Training, Arkansas Leadership Academy, Winthrop Rockefeller Institute. Petit Jean, AR. *Invited*.
- Carter, V. (2008, January). *Reading and writing strategies*. Dover High School, Teacher In-Service, Dover High School. Dover, AR. *Invited*.
- Carter, V. (2007, October). *Literacy connections for career and technical educators*. Arkansas Department of Workforce Education Workshop. Little Rock, AR. *Invited*.
- Carter, V. (2007, September). *Literacy connections for career and technical educators*. Arkansas Department of Workforce Education Workshop. Springdale, AR. *Invited*.