# Jason D McKibben, Ph.D.

Assistant Professor Department of Curriculum and Teaching

Agriscience Education 5070 Haley Center

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# Education:

* **Ph.D.**, Agricultural Leadership, Texas A&M University 2017

 Education, & Communications

* **M.Ed.**, Agricultural Education Texas A&M University 2006
* **B.A.**, History Texas A&M University 2004

# Research and Professional Experience:

2020 – Present **Assistant Professor**, Dept. of Curriculum and Teaching, Agriscience Education, Auburn University, AL

2016 – 2020 **Assistant Professor**, Agriculture and Extension Education, Davis College of Agriculture, West Virginia University. Morgantown, WV

2013 – 2016 **Instructor**, Dept. of Agriculture Leadership, Communications, and Education. Texas A&M University, College Station, TX

2013 – 2016 **Graduate Research Assistant**, Dept. of Agriculture Leadership, Communications, and Education. Texas A&M University, College Station, TX

2012 – 2015 **Instructor**, Agriculture Unit, Blinn College, Brenham, TX

2006 – 2013 **Agriculture Teacher**, Alief ISD, Alvin ISD, Early ISD, State of Texas

# Synergistic Activities:

* *Leadership -* Currently serving as the Vice Chair of the Member Services Committee of American Association of Agricultural Education. Currently serving as the co-director of the WV-P20
* *Professional Development Experience -* Have conducted professional development activities since 2008 in Texas, West Virginia, and online. Development has centered on development of hands on skills, and STEM integration in agriculture. I have also served in the college system to offer professional development in qualitative methods of data collection in primarily quantitative fields.
* *Research –* Have been conducting research since 2013, primarily focusing on STEM integration in hands on skill development, development of teachers to teach hands on skills and the role of oral tradition in skill development.

**Courses taught:**

**West Virginia University**

*Introduction to Research Methodology in Social Sciences, Interpreting Quantitative data in Social Sciences, Basics of Ag Mechanization*, *Shop Theory and Methods*, *Professional Agricultural Internship ST, Agricultural Mechanics Practica, Metal Fabrication, Digital Record Keeping in Secondary, Agricultural Education, Undergraduate Independent Directed Study*,

**Texas A&M University**

*Teaching Agricultural Mechanics, Safety in the Agricultural Curriculum, Student Teaching in Agricultural Sciences*

 **Blinn College**

Agricultural *Wood Construction*, Agricultural Metal Fabrication, Agricultural Power Systems

*Grant activity:*

**McKibben, J. D.,** Blythe, J. M., Perdue, E. R., Rosson, H. P, Hendrix, R. (2019). West Virginia Department of Education. Teacher Education in Agriculture--A Proposal Designed to Accomplish Professional Personnel Development Objectives in Career and Technical Education. **$58,000**.

**McKibben, J. D.,** Perdue, E. R., & Lindner, J. (2018). USDA-NIFA. Secondary Education, Two-Year Postsecondary Education, and Agriculture in the K-12 Classroom Challenge Grants Program (SPECA). “Building a Skillset of Application Based Scientific Inquiry through the Assembly of Constructive Objects of Agricultural Learning (COALs): Developing Workforce and College Ready Students in the Mountains of Appalachia”. **$300,000**. Joint Application (PI - West Virginia University; Co-Pi Auburn University)

**McKibben, J. D.** (2018). Anderson Faculty Enhancement Fund. “Offline Assessment and Evaluation for Non-Connected Rural Community Development and Research.” **$5,000**.

Perdue, E. R., **McKibben, J. D.,** Griffith, S. & Hughes, J (2018). Boone County Public School system dedicated support. West Virginia P20 Initiative: A model for Student, Teacher, and Community Success. **$100,000**.

**McKibben, J. D. &** Perdue, E. R., (2018). WV Department of Education dedicated support. West Virginia P20 Initiative: A model for Student, Teacher, and Community Success. **$100,000**.

**McKibben, J. D.** (2016). Big 12 Faculty Fellowship Program. **$1500.**

**Publications: *(past 4 years)***

**McKibben, J.D.**, Giliberti, M. (2020 in review). My Ag Teacher Never Made Me Go To The Shop! Pre-Service Teacher’s Perceived Self-Efficacy in Mechanics Skills Change Through Exploration and Experience. A Correlational Study of Freshmen Self-Confidence After a 16-Weeks-Long Course of Agricultural Mechanics. *Journal of Agricultural Education.*

Veach, T., **McKibben, J.,** Hendrix, R. (2020 in press). I thought this Was Shop Class: Using a Book Club to Increase Agricultural Mechanics Teaching Efficacy. Abstract. *North American College Teachers of Agriculture*. (Vol 64, Supplement 1)

Payne, C, **McKibben, J. D.**, Allen, S (2020 in press). “I can do it all on my own” Small Farmers Their Decisions to Seek classes. Abstract. *North American College Teachers of Agriculture*. (Vol 64, Supplement 1)

**McKibben, J. D.** (2019). Seeding the Community with Literacy, Using Little Free Libraries to Teach Construction Skills. Abstract. *North American College Teachers of Agriculture*. (Vol 63, Supplement 1)

**McKibben, J. D.** (2019). Frustration, Confidence and Learning A Hot Metal Skill. Abstract. *North American College Teachers of Agriculture*. (Vol 63, Supplement 1)

Daugherty K. & **McKibben, J. D.** (2019). Selfies as a Learning “Tool”. *Poster Proceedings of the American Association for Agricultural Education Research Conference*. De Moines, IA - **Distinguished Poster Award.**

Maltempie, A., McGill, D. W., Perdue, E. R., **McKibben, J. D,** Spong, B., & Gazal, K. (2018, in press). He's more honest than the rest: Family forest owners' experiences with timber transactions. *Journal of Extension*.

**McKibben, J. D.,** Yopp, A., & Perdue, E. R. (2018). I See Myself, When I Serve Others; Service Learning To Develop Mechanics Skills in Teachers. *North American College Teachers of Agriculture*. (Vol 62, Supplement 1)

**McKibben, J. D.,** & Murphy, T. H (2018). STEM, Project-Based Authenticity; More is Not Better. *North American College Teachers of Agriculture*. (Vol 62, Supplement 1)

**McKibben, J. D.,** & Murphy, T. H. (2018). Effects of Novelty on Project-Based Methods when Integrating Physics into Agriculture Courses. *Research Conference* *Proceedings of the Southern Region Conference of the American Association for Agricultural Education*. Jacksonville, FL.

**McKibben, J. D.** (2017). The Non-Linear Effect of Project Authenticity in STEM Integration. *Published in the 36th National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference.* Indianapolis, Indiana.

**McKibben, J. D.** (2017). Effects of STEM Projects’ Authenticity in High School Agricultural Mechanics. *Research Conference* *Proceedings of the North Central Region American Association for Agricultural Education*. Ames, IA. 16-23.

**McKibben, J. D.**, & Yopp, A. (2016). Serving to learn: Increasing pre-service teachers' self-efficacy in agricultural mechanics through service learning. *Poster Proceedings of the North Central Region American Association for Agricultural Education Research Conference*. West Lafayette, IN