
JESSICA MARIE BLYTHE

Curriculum Vita

Campus:

2050 Agricultural Sciences
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Education

University of Florida, Gainesville, Florida May 2014

Ph.D. in Agricultural Education

Dissertation Title: "The Influence of a Train-the-Trainer Professional Development Model on Teacher Perceptions of Science Integration and Inquiry-based Instruction "

Chair: Brian Myers, Associate Professor

University of Florida, Gainesville, Florida August 2007

M.S. in Agricultural Education

Masters Project "Artistic Arrangement: Floral Design Lessons in a Horticulture Curriculum"

Chair: Brian Myers, Assistant Professor

University of Connecticut, Storrs, Connecticut May 2005

B.S. in Horticulture

Experience

Assistant Professor, West Virginia University 2014-Present

Agricultural and Extension Education

- Lead instructor for:
 - AgEE 430- Methods & Materials in Teaching Agriculture
 - AgEE 434 - Managing the Learning Environment
- Advised multiple students
 - Undergraduates - 14 Students
 - Graduate Committee Members - 5 Masters, 1 PhD
- Assisted with the development, administration and analysis of multiple research projects
- Core Faculty member for the WVU Center for Excellence in STEM Education.
- Project member of the National Agriscience Research Group (NIMSS Southern Committee 1057) - *A Framework for Secondary Schools Agriscience Education Programs that Emphasize the STEM Content in Agriculture (A Multi-State Research Project)*
- Advised two student organizations - Collegiate FFA and Alpha Tau Alpha

Graduate Teaching and Research Assistant, University of Florida 2011-May 2014

Agricultural Education and Communication (AEC) Department

- Lead instructor for AEC-3030- Effective Oral Communication
 - Spring 2013 -179 students
 - Summer 2014 - 58 students
- Teaching assistant for 8 diverse AEC undergraduate courses

- Teaching assistant for 3 AEC graduate courses (2 online courses)
- Advised undergraduate agricultural education students and undergraduate student organization
- Coordinated and facilitated multiple teacher professional development opportunities for state agriculture teachers
- Assisted with the development, administration and analysis of multiple research projects
- Project member of the National Agriscience Research Group (NIMSS Southern Committee 1057) - *A Framework for Secondary Schools Agriscience Education Programs that Emphasize the STEM Content in Agriculture (A Multi-State Research Project)*

Agriculture Teacher, Baker County High School 2007- 2011
Glen St. Mary, Florida

- Taught 9 different courses
- Advised FFA Chapter & FFA Alumni Affiliate
- Supervised 1 student intern from the University of Florida, Department of Agricultural Education and Communication

Graduate Teaching and Research Assistant, University of Florida 2006- 2007
Agricultural Education and Communication (AEC) Department

- Taught 2 different courses
- Advised Collegiate FFA Chapter
- Assisted with the development, coordination and management of multiple research and curriculum development projects

1998-2006

Assistant Greenhouse and Store Manager, The Pickin' Patch
Avon, Connecticut

- Trained new farm and store employees
- Coordinated and taught tours and school groups on a variety of crops and farm operations
- Aided and advised customers in plant selection and planting techniques
- Oversaw farm, store, and greenhouses in absence of other managers.

Refereed Publications

DiBenedetto, C.A., Blythe, J.M., & Myers, B.E. (In Review). Effects of the Order of Abstraction and Type of Reflection on Content Knowledge when Teaching Experientially in a High School Classroom. *Journal of Agricultural Education*.

Blythe, J. M., & Myers, B. E. (In Review). Perceptions of the Participants of the NATAA Ambassadors Workshops toward Integrating Science into School-Based Agricultural Education Curriculum. *Journal of Agricultural Education*.

Blythe, J.M., & Myers, B.E. (In Review). Relationships within a High-Quality Teacher Professional Development Experience. *Journal of Agricultural Education*,

Blythe, J. M., DiBenedetto, D. A. & Myers, B. E. (2015). Inquiry-based Instruction: Perceptions of National Agriscience Teacher Ambassadors. *Journal of Agricultural Education*, 56(2), 110-121. doi: 10.5032/jae.2015.02110

Hurst, S.D, Conner, N.W., Stripling, C.T., Blythe, J.M., Giorgi, A, Rubenstien, E.D., Futrell, A., Jenkins, J., & Roberts, T.G. (2015). An Exploration of the Formal Agricultural Education System in Trinidad and Tobago. *Journal of Agricultural Education*, 56(1), 141-154. doi: 10.5032/jae.2015.01141

Conner, N. W., Stripling, C. T., Blythe, J. M., Roberts, T. G., & Stedman, L. P. (2014). Flipping an agricultural education teaching methods course. *Journal of Agricultural Education*, 55(2), 66-78.

Shoulders, C. W., Blythe, J. M., & Myers, B. E. (2013). Teachers' perceptions regarding experiential learning attributes in agricultural laboratories. *Journal of Agricultural Education*, 54(2), 159-173.

Conner, N. W., Stripling, C. T., Blythe, J. M., & Roberts, T. G. (2013). Rethinking course structure: Student perceptions of flipping a classroom [Abstract]. *NACTA Journal*, 57, Supplement 1.

Refereed Papers

DiBenedetto, C. A., Blythe, J. M., & Myers, B. E. (2016, May) Effects of the Order of Abstraction and Type of Reflection. Paper presentation for the 2016 *Proceedings of the National Research Conference of the American Association for Agricultural Education*. San Antonio, TX.

Blythe, J.M. & Mejia, J.A. (2016) What is STEM education?: Faculty Perceptions of Teaching as Research. Paper presentation for 2016 *American Society of Engineering Education Conference*.

Blythe, J. M., & Myers, B. E. (2015, May). Relationships within a High-Quality Teacher Professional Development Experience. Paper presentation from *Proceedings of the National Research Conference of the American Association for Agricultural Education*, San Antonio, TX.
Winner: Distinguished Manuscript

Blythe, J. M., & Myers, B. E. (2014, October). Perceptions of the Participants of the NATAA Ambassadors Workshops toward Integrating Science into School-Based Agricultural Education Curriculum. *Proceedings of the North-Central Region meeting of the American Association for Agricultural Education*, Morgantown, WV.

Blythe, J. M., DiBenedetto, C. A., & Myers, B. E. (2014, February). Inquiry-based Instruction: Perceptions of National Agriscience Teacher Ambassadors. *Proceedings of the Southern Region meeting of the American Association for Agricultural Education*, Dallas, TX.

Blythe, J. M., & Myers, B. E. (2013, May). Agriscience Fair Participants' Perceptions of Science and Agriculture. *Proceedings of the 2013 AAAE Research Conference*, Columbus, OH.

Blythe, J. M., DiBenedetto, C. A., & Myers, B. E. (2013, May). Trends in Agriscience Fair Participants' Perceptions of Science and Agriculture. *Proceedings of the 2013 AAAE Research Conference*, Columbus, OH.

- Hurst, S. D., Conner, N. W., Blythe, J., Futrell, A., Giorgi, A., Jenkins, J., Rubenstein, E. D., Stripling, C. T., & Roberts, T. G. (2012, May). An exploration of the formal agricultural education system in Trinidad and Tobago. *Proceedings of the 2013 AAAE Research Conference*, Columbus, OH.
- Conner, N. W., Stripling, C.T., Blythe, J. M., Roberts, T. G., & Stedman, N. L. P. (2013, May). Flipping an agricultural education teaching methods course. *Proceedings of the 2013 AAAE Research Conference*, Columbus, OH.
- Blythe, J. M. & Myers, B. E. (2013, February). Agriscience Fair Participants' Perceptions of Science and Agriculture. *Proceedings of the Southern Region meeting of the American Association for Agricultural Education*, Orlando, FL, 414-427.
- Shoulders, S., Blythe, J. M., & Myers, B. E. (2012, May). Teachers' Perceptions Regarding Experiential Learning Attributes in Agricultural Laboratories. *Proceedings of the 2012 AAAE Research Conference*, Asheville, NC, 144-157.
- Shoulders, S., Blythe, J. M., & Myers, B. E. (2012, February). Teachers' Perceptions Regarding Experiential Learning Attributes in Agricultural Laboratories. *Proceedings of the Southern Region meeting of the American Association for Agricultural Education*, Birmingham, AL, 134-145.

Refereed Poster Presentations

- Blythe, J.M.* & Mejia, J. A. (2015, April) *STEM Faculty Perceptions on 'Teaching-as-Research' Concepts*. Poster presented at 2015 Center for the Integration of Research, Teaching, and Learnings Forum: Preparing the Future STEM Faculty for the Rapidly Changing Landscape of Higher Education.
- Douglas, J.*, Mejia, A., & Blythe, J. M. (2015, April). *Ascending the STEM education mountain of excellence at West Virginia University*. Poster presented at 2015 Center for the Integration of Research, Teaching, and Learnings Forum: Preparing the Future STEM Faculty for the Rapidly Changing Landscape of Higher Education.
- Blythe, J. M., & Myers, B. E. (2014, February). *Agriscience Fair Participation – Student perceptions of participation and influence on career goals*. Southern Region meeting of the American Association for Agricultural Education, Dallas, TX.
- Blythe, J. M., & Myers, B. E. (2013, May). *Assessment of student engagement and discourse during undergraduate laboratory instruction*. Annual Meeting of the American Association for Agricultural Education, Columbus, OH.
- Blythe, J. M., & Myers, B. E. (2013, February). *Agriculture education's participation in secondary career academies*. Southern Region meeting of the American Association for Agricultural Education, Orlando, FL.
- Blythe, J. M., & Myers, B. E. (2013, February). *Assessment of student engagement and discourse during undergraduate laboratory instruction*. Southern Region meeting of the American Association for Agricultural Education, Orlando, FL.

Blythe, J. M., & Myers, B. E. (2012, May), *The Employ Florida Banner Center for Agriscience: A partnership to create strong relationships between agriscience and agriscience education*. Annual Meeting of the American Association for Agricultural Education, Ashville, SC.

Blythe, J. M., Roberts, T. G., Stripling, C. T., & Conner, N. W. (2012, May), *iLearn: Using social media to restructure teaching methods courses*. Annual Meeting of the American Association for Agricultural Education, Ashville, SC.

Conner, N. W., Blythe, J. M., & Roberts, T. G. (2012, May), *Texting polls to increase student engagement in college classrooms*. Annual Meeting of the American Association for Agricultural Education, Ashville, SC.

Blythe, J. M., Roberts, T. G., Stripling, C. T., & Conner, N. W. (2012, February), *iLearn: Using social media to restructure teaching methods courses*. Southern Region meeting of the American Association for Agricultural Education, Birmingham, AL.

Hurst, S. D., Barrick, R. B., Blythe, J. M., Burleson, S., Conner, N. W., Estep, C. M., Giorgi, A., Myers, B. E., Roberts, T. G., Rubenstein, E. D., Shoulders, C., Stripling, C. T., & Thoron, A. (2012, February), *Using a learning community for continuous improvement of an agricultural education teacher preparation program*. Southern Region meeting of the American Association for Agricultural Education, Birmingham, AL.

Popular Press Publications

Blythe, J. M. (2015). Can the BUZZ around STEM Education Help Answer Agriculture's Global Challenge? *The Agricultural Education Magazine*, 87(5).

Blythe, J. M. (Theme Ed.) (2015) Incorporating STEM Concepts into Agricultural Education. *The Agricultural Education Magazine*, 87(5).

Unpublished Reports

Blythe, J. M. (2014, June). *Evaluation of the National Agriscience Teacher Ambassador Academy: An Examination of the influence of workshops presented at National Conferences by the NATAA Ambassadors*. Unpublished report, National Association of Agricultural Educators, Lexington, KY.

Myers, B. E. & Blythe, J. M., (2013, February). *Evaluation of the National Agriscience Teacher Ambassador Academy: Impacts of past and present participation on secondary agriscience teachers*. Unpublished report, Department of Agricultural Education and Communication, University of Florida, Gainesville, FL.

Grants

Teacher education in agriculture: A proposal designed to accomplish professional development objectives in vocational education.

2015-2016

State Board for Vocational Education, WV State Department of Education, \$58,000
(Not Individually awarded – Boone, H., Gartin, S.a., Boone, D.A., Blythe, J.M.)

Role: Co-PI

Invited Presentations

Blythe, J.M. (2015, October). *Classroom management for Secondary Agriculture Teachers*. Workshop for West Virginia Mentoring Program for Agriculture Teachers (18 teachers, 5 Mentors) at Fall Conference for WV Mentoring Program, Morgantown, WV.

Blythe, J.M. (2015, October). *What is Inquiry Based Instruction?: Tips & Tricks for implementing inquiry-based projects in your classroom*. A two hour Workshop for West Virginia Mentoring Program for Agriculture Teachers (20 teachers, 5 Mentors) at Fall Conference for WV Mentoring Program, Morgantown.

Blythe, J.M. (2015, October). *Interactive Notebooks for Post-Secondary Students*. Lead Roundtable discussion at the North Central AAAE Conference (45 faculty and graduate students) on how to use interactive notebooks with Undergraduate courses, to increase student retention of information.

Blythe, J.M. (2015, July). *Effective Mentoring: How mentoring practices could effectively increase retention of secondary agriculture teachers in West Virginia*. A two hour workshop for West Virginia Agriculture Teachers (25 teachers) at West Virginia Agriculture Teachers Association Summer Conference, Roanoke, WV.

Blythe, J.M. (2015, July). *Exploring NAAE's Communities of Practice: A Resources for Agriculture Teachers*. A one hour professional development Workshop for West Virginia Agriculture Teachers (35 teachers) at West Virginia Agriculture Teachers Association Summer Conference, Roanoke, WV.

Blythe, J.M. (2014, October). *Securing a Faculty Position*. Guest lecture for University of Florida AEC 6905: Faculty Development. A one hour lecture with a question and answer session on applying for, preparing for and interviewing for a faculty position.

Blythe, J. M., & DiBenedetto, C. A. (2014, January). *Design on a Dime: Designing Agriscience Labs on a Budget*. A one hour workshop for Florida Agriculture Teachers at Florida Association for Agriculture Educators Midwinter Conference, Haines City, Fl.

Blythe, J. M. (2013, December). *Making Field Trips Better: A guide to increasing the educational value of field trips*. A two-hour workshop for agriculture teachers from across the nation. National Association of Agricultural Educators 2013 National Convention, Las Vegas, NV.

Blythe, J. M., Gouldthorpe, J. L., & Culbertson, A. L. (2013, January). *Mock Research Session*. Presentation of Research, Lecture and Q&A in AEC 6767 Research Strategies in AEC, University of Florida.

- Blythe, J. M., Bengel, M. P., & Bush, S. A. (2013, April). *Mock Research Poster Session*. Presentation of Research Poster, Lecture and Q&A in AEC 6767 Research Strategies in AEC, University of Florida.
- Myers, B. E., Blythe, J. M., Thoron, A. C. & Barrick, R. K. (2012, October through 2013, January). *Preparing Students for the Agricultural Technician Certification Exam – A Teacher Professional Development Series*. A professional development series for secondary agriculture teachers, Collaborative effort between UF AEC and Florida Farm Bureau, Haines City, Florida.
- Thoron, A. C., Blythe, J. M., & Rubinstein, E. D. (2012, June). *Laboratory Investigations for Middle School Agriscience Foundations*. A three-day workshop for Marion County middle school agriculture teachers, Marion County Agriscience Foundations Professional Development, Ocala, FL.
- Striping, C. T., Giorgi, A., Rubenstein, E. D., Conner, N. W., Blythe, J. M., Hurst, S. D., Futrell, A., Jenkins, J., & Roberts, T. G. (2012, March). *An exploration of agricultural formal education systems in Trinidad and Tobago: A review of major findings*. Presentation of research findings presented at the University of the West Indies. Saint Augustine, Trinidad.
- Blythe, J. M. (2012, January), *Content area reading strategies: Adapting agriculture courses for intensive reading credits*. Workshop for Florida Agriculture Teachers at Florida Association for Agriculture Educators Midwinter Conference, Orlando, FL.
- Blythe, J. M. (2011, September), *Exploring NAAE's Communities of Practice: A Resources for Agriculture Teachers*. Workshop for Florida Agriculture Teachers at Florida Agriculture Teacher Professional Development at State Presidents Conference, Orlando, FL.
- Blythe, J. M. (2011, June), *Tips & Tricks for implementing inquiry-based projects in your classroom*. Workshop for Florida Agriculture Teachers at Florida State FFA Convention – Agriculture Teacher Professional Development, Orlando, FL.
- Blythe, J. M. (2011, January), *Exploring NAAE's Communities of Practice: A Resources for Agriculture Teachers*. Workshop for Florida Agriculture Teachers at Florida Association for Agriculture Educators Midwinter Conference, Haines City, FL.
- Blythe, J. M. (2010, November), *Alternative Energy Sources and Agriculture – Utilizing inquiry in agriscience classes*. Workshop for Agriculture Teachers at National Convention of the National Association of Agricultural Educators, Las Vegas, NV.
- Blythe, J. M. (2010, October), *Alternative Energy Sources and Agriculture – Utilizing inquiry in agriscience classes*. Workshop for Agriculture Teachers at National FFA Convention – NAAE Teachers' World Professional Development, Indianapolis, ID.
- Blythe, J.M. (2010, August), *Incorporating inquiry-based education into our High School*. Workshop for faculty of Baker County High School, Glen St. Mary, FL.
- Blythe, J. M. (2010, June), *LifeKnowledge- A resources for engaging and meaningful agriscience teaching*. Workshop for Florida Agriculture Teachers at Florida State FFA Convention – Agriculture Teacher Professional Development, Orlando, FL.

Service Activities

American Association for Agricultural Education

AAAAE Adult Consultant to the National FFA Officer Selection Committee, 2015-2017
Professional Development Committee – North Central Region Representative, 2014-present
Strengthening Academic Learning through Agricultural Education SIG, 2012 – present
Secretary 2014- present
Teacher Professional Development SIG, 2012 – present

West Virginia University

WVU Center for Excellence in STEM Education – Core Faculty Member, 2014- Present
Davis College of Agriculture, Natural Resources and Design – Website Redesign Discussion Group
Member, 2014- 2015

West Virginia FFA Association

Advisor and Co-coordinator of the WV Mentoring Program for Agricultural Educators
Co-Coordinator of the Floriculture CDES in June of 2015
State Agricultural Issues Judge, 2014
Regional Creed Contest Judge, 2014

West Virginia State Department of Education

Program and Policy Committee Member, 2014 – Present
Joint Staff for Agricultural Education Member, 2014-Present

West Virginia Association of Agricultural Educators

Program and Policy Committee Member, 2014-Present

University of Florida

Representative to Department Graduate Admissions Committee, Agriculture Education and
Communication Graduate Student Association 2012-2013
Teacher Representative, Agriculture Education and Communication Department Advisory Committee,
2009-2011
Vice-President, Alpha Tau Alpha – Epsilon Chapter, 2012 - 2013
Vice-President, Agricultural Education and Communication Graduate Student Association, 2006–2007
Graduate Student Advisor, University of Florida Collegiate FFA - 2006-2007
Student Mentor, Agriculture Education and Communication Graduate Student Association-2012-
Present

Florida Banner Center for Agriscience

Agricultural Biotechnology Certification Exam Coordinator, 2011-2012
Agricultural Technician Certification Exam Developer, 2011

National Association of Agricultural Educators

National Agriscience Teacher Ambassador Academy 2010

Florida Association of Agricultural Educators

Board of Directors, 2007 - 2011
Professional Development Chair 2007-2008
Reporter 2008-2011
Owl's Club Secretary 2008-2010

National FFA Association

National Agriscience Fair – Student Assistant – 2011, 2013

Florida FFA Association

Food Science CDE Judge, 2011, 2012

Agriscience Fair, 2011, 2012

Parliamentary Procedure Judge – Sub-districts, Districts, & State – 2011, 2012, 2013

Honors and Awards

<u>American Association or Agricultural Education</u>	Distinguished Manuscript <i>Relationships within a High-Quality Teacher Professional Development Experience.</i> Paper from Proceedings of the National Research Conference of the American Association for Agricultural Education, San Antonio, TX.	2015
<u>North Central Region of American Association for Agriculture Education</u>	1 st Runner Up Outstanding Research Presentation Perceptions of the Participants of the NATAA Ambassadors Workshops toward Integrating Science into School-Based Agricultural Education Curriculum	2014
<u>Southern Region of American Association for Agricultural Education</u>	Outstanding Research Presentation Inquiry-based Instruction: Perceptions of National Agriscience Teacher Ambassadors.	2014
<u>University of Florida</u>	Graduate Assistantship Dept. of Agricultural Education & Communication	2012-Present
	Newbern Scholarship Dept. of Agricultural Education & Communication	2011, 2013
<u>Florida Association of Agriculture Educators</u>	Outstanding Secondary Program	2010
<u>National Association of Agriculture Educators</u>	Teacher Turn the Key	2009
<u>National FFA Organization</u>	American FFA Degree	2002

Honorary and Professional Organizations

American Association for Agricultural Education	2011 – present
Association for Career and Technical Education	2008 – present
National Association of Agriculture Educators	2007 – present
Florida Association of Agricultural Educators	2007 – present
Florida Association for Career & Technical Education	2007 – present
Alpha Tau Alpha	2006 – present
Sigma Alpha – Eta Chapter	2002 – present
University of Connecticut Horticulture Club	2001 – 2005