

# MELISSA J. LUNA

melissa.luna@mail.wvu.edu

Curriculum & Instruction/Literacy Studies  
College of Education and Human Services ~ West Virginia University  
Allen Hall ~ P.O. Box 6122 ~ Morgantown, WV 26506  
Phone: (304) 293-9483

## EDUCATION

---

### **Ph.D. in Learning Sciences**, 2013

School of Education and Social Policy, Northwestern University, Evanston, IL

*Dissertation*: Investigating Elementary Teachers' Thinking About and Learning to Notice Students' Science Ideas

*Dissertation Committee*: Drs. Miriam Gamoran Sherin (chair), Brian Reiser, Bruce Sherin, and David Hammer

### **M.S. in Environmental Education**, Audubon Expedition Institute, Lesley University, Cambridge, MA, 2001

### **B.S. in Elementary Education**, Valparaiso University, Valparaiso, IN, 1992

## APPOINTMENTS

---

### **West Virginia University**

Assistant Professor, College of Education and Human Services, August 2013-present

Visiting Assistant Professor, College of Education and Human Services, August 2012-July 2013

## AWARDS AND FELLOWSHIPS

---

2013-2014 Finalist Outstanding Dissertation Award, National Association for Research in Science Teaching

2013-2014 Finalist Division K Outstanding Dissertation Award, American Educational Research Association

2010-2011 Spencer Foundation Dissertation Fellowship for Research Related to Education

## JOURNAL PUBLICATIONS

---

Selmer, S., **Luna, M.J.**, & Rye, J. (in press). Insights into teachers' experiences implementing garden-based learning: Characterizing the relationship between the teacher and the curriculum. *Teacher's College Record*.

Russ, R.S., & **Luna, M.J.** (2013). Inferring teacher epistemological framing from local patterns in teacher noticing. *Journal of Research in Science Teaching*, 50(3): 284-314.

Light, G., Calkins, S., **Luna, M.J.**, & Drane, D. (2009). Assessing the impact of faculty development programs on faculty approaches to teaching. *International Journal of Teaching and Learning in Higher Education*, 20(2).

Hersam, M. C., **Luna, M.J.**, & Light, G. (2004). Implementation of interdisciplinary group learning and peer assessment in a nanotechnology engineering course. *Journal of Engineering Education*, 93.

## CONFERENCE PROCEEDINGS, PAPERS & PRESENTATIONS

---

Murphy, A.N., **Luna, M.J.**, Bernstein, M. (2014). Classrooms, Hospital Beds, and Backyards: How do These Scientific Experiences Relate to Elementary Teachers' Practitioner Selves? Poster presented at the Mid-Atlantic Association of Science Teacher Educators Regional Conference, Blowing Rock, NC, September 19, 2014.

Rye, J., & **Luna, M.J.** (2014). Integrating GigaPan with Elementary Science Methods to Enrich Preservice Teachers' Understandings About Garden-Based Learning and Connections to the Next Generation Science Standards. Paper presented at the Mid-Atlantic Association of Science Teacher Educators Regional Conference, Blowing Rock, NC, September 22, 2014.

**Luna, M.J.** (2014). Framing the Task: Variation in One Teachers' Attention to Students' Ideas Expressed While Engaged in Disciplinary Practices. *Proceedings of the 2014 International Conference of the Learning Sciences*.

Selmer, S., **Luna, M.J.**, & Rye, J. (2014). Insights into Teachers' Experiences Implementing Garden-Based

Learning. Poster presented at the American Educational Research Association Annual Meeting, Philadelphia, PA, April 4, 2014.

- Luna, M.J.** & Sherin, M.G. (2013). Supporting Teachers' Ability to Attend to Students' Thinking in Science. Paper presented at the Annual International Conference of the National Association for Research in Science Teaching, Rio Grande, Puerto Rico, April 6-9, 2013.
- Luna, M.J.** (2013). Elementary Teachers' Noticing Students' Science Ideas. Paper presented at the American Educational Research Association Annual Meeting, San Francisco, CA, April 27-May 1, 2013.
- Luna, M.J.**, Selmer, S., Rye, J., & VanHorn, L. (2013). What Makes our Garden Grow?: Supports and Challenges Teachers Encounter Implementing Garden-Based Learning with 2<sup>nd</sup> Graders. Paper presented at the Mid-Atlantic ASTE Regional Conference, Daniels, WV, September 20-21, 2013.
- Luna, M.J.**, Rye, J., Forinash, M., & Minor, A. (2013). Gardening for homonyms: Connecting science contexts to literacy development through a garden-based learning activity. Paper presented at the West Virginia Science Teachers Association Meeting, Morgantown, WV, October 31-November 2, 2013.
- Luna, M.J.** (2012). Elementary Teachers' In-the-Moment Seeing of Children's Science Thinking. Paper presented at the American Educational Research Association Annual Meeting, Vancouver, BC, Canada, April 13-17, 2012.
- Luna, M.J.** (2011). Supporting elementary teachers learning to see students' thinking in the science classroom. Paper presented at the Annual International Conference of the National Association for Research in Science Teaching, Orlando, FL, April 2011.
- Luna, M.J.** & Sherin, M.G. (2011). Developing expertise in attending to student thinking in science. Paper presented at the American Educational Research Association Annual Meeting, New Orleans, LA, April 2011.
- Russ, R. & **Luna, M.J.** (2010). Merging two research traditions: Inferring teacher epistemological framing from patterns in teacher noticing. Poster presented at the American Educational Research Association Annual Meeting, Denver, CO, May 2010.
- Luna, M.J.**, Mulligan, M., Sherin, M.G., & Walkoe, J. (2010). Supporting video club conversations using teacher selected video clips. *Proceedings of the 2010 International Conference of the Learning Sciences*.
- Luna, M.J.**, Russ, R., Colestock, A. (2009). Teacher noticing in-the-moment of instruction: The case of one high-school science teacher. *Proceedings of the 2009 Annual International Conference of the National Association for Research in Science Teaching*.
- Luna, M.J.** (2009). If I were king: Examining the relationship between standards-based reform policy and science teachers' curricular decisions. Paper presented at the American Educational Research Association Annual Meeting, San Diego, CA, April 2009.
- Luna, M.J.** (2009). Examining the relationship between science teachers' beliefs and curriculum materials. Paper presented at the American Educational Research Association Annual Meeting, San Diego, CA, April 2009.
- Luna, M.J.** (2008). Teachers' beliefs about science and the role of curriculum materials in teaching and learning. Paper presented at the American Educational Research Association Annual Meeting, New York City, NY, March 2008.
- Luna, M.J.** & Fitzpatrick, K. (2007). You gotta' know your kids: Knowledge of context in teaching. Paper presented at the American Educational Research Association Annual Meeting, Chicago, IL, April 2007.
- Luna, M.J.** (2007). Supporting pre-tenure faculty through a faculty development program. Paper presented at the American Educational Research Association Annual Meeting, Chicago, IL, April 2007.

## **CURRICULUM**

---

L. VanHorn, C. Pizanias, H. Walls, S. Rummel, A. Minor, M. Forinash, S. Fagan, K. Berry, S. Lewis, J. Rye, **M.**

**Luna.** Garden Project-Based Learning Units (in press). West Virginia Department of Education, Office of Child Nutrition. Individuals listed are authors/coauthors of one or more individual curriculum units.

## **TEACHING AND PROFESSIONAL EXPERIENCE**

---

**Assistant Professor**, West Virginia University College of Education and Human Services

Courses Taught: CI640 *Science in Elementary School* (FALL 2013, FALL 2014)  
 EDUC440 *Elementary-Early Childhood Science Methods* (SPRING 2014)

**Visiting Assistant Professor**, West Virginia University College of Education and Human Services

Course Taught: EDUC 440 *Elementary/Early Childhood Science Methods* (SPRING 2013)

**Supervisor/Advisor for Undergraduate Research Internships and Independent Studies**, Northwestern University, 2010

**Teacher Professional Developer**, Investigating On-line Professional Development Project, Northwestern University and University of Michigan, Summer 2008 and 2009.

**Faculty Developer**, Searle Center for Teaching Excellence, Northwestern University, 2001-2005

**Environmental Biology Instructor**, College of Lake County, Grayslake, IL, 2001-2011

**Teacher: Fifth Grade, Fourth Grade**, St. Joseph's Indian School, Chamberlain, SD, 1993-1997

**Graduate Teaching Assistant**, School of Education & Social Policy, Northwestern University

TEACH\_ED 329 *Health and Physical Development*, Prof. Joan Lampert, Winter 2010  
 MS\_ED 451 *Using Video to Study Teaching & Learning*, Prof. Miriam Gamoran Sherin, Fall 2009  
 LRN\_SCI 434 *Teacher Thinking and Learning*, Prof. Miriam Gamoran Sherin, Winter 2009  
 LRN\_SCI 425 *Introduction to Design for the Learning Sciences*, Prof. Bruce Sherin, Fall 2008  
 MS\_ED 405 *Learning and Teaching in Higher Education*, Prof. Gregory Light, Winter 2005

## **PROFESSIONAL SERVICE AND MEMBERSHIP**

---

Reviewer, *Science Education*, 2013-present

Reviewer, American Educational Research Association, Division K, Fall 2013

Reviewer, International Conference of the Learning Sciences, Fall 2013

Reviewer, National Association for Research in Science Teaching, 2010-present

Member, American Educational Research Association, 2004-present

Member, National Association for Research in Science Teaching, 2008-present

Member, International Society of the Learning Sciences, 2010, 2014