

CURRICULUM VITA
SHELLY M. JONES, Ph.D.

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EDUCATION

Ph.D., Mathematics Education, Illinois State University, December 2002

M.S., Mathematics Education, University of Bridgeport, December 1991

B.S., Computer Science, Spelman College, May 1986

PROFESSIONAL EXPERIENCE

- 2006 – Present Professor. Central Connecticut State University. Teach undergraduate and graduate courses in Mathematics and STEM Education. Conduct research in topics relating to mathematics education.
- 2005-2006 Mathematics Supervisor, Grades 6-12. Middletown Public Schools, Middletown, CT. Coordinated the mathematics program for grades 6-12.
- 2004-2005 Mathematics Consultant. Ansonia Public Schools, Ansonia, CT. Coordinated the mathematics program for the district PreK-12.
- 2000-2004 Assistant Director for Mathematics. Project to Increase Mastery of Mathematics and Science (PIMMS). Wesleyan University, Middletown, CT. Planned and provided professional development programs in mathematics for schools and school districts throughout Connecticut.
- 1991-1997 Mathematics Teacher. Luis Munoz Marin Elementary School, Bridgeport, CT. Taught middle school mathematics including Algebra.
- Teacher Certification: Mathematics Grades 7 – 12 (029). School Administrator Certification (092).

PUBLICATIONS

- Matthews, L.E., Jones, S.M. & Parker, Y.A. (under contract, Fall 2021). Engineering Culturally Responsive Math Tasks for Grades 6-12. Thousand Oaks, CA: Corwin.
- NCSM (2020). NCSM Essential Actions: Instructional Leadership in Mathematics Education. Paul Gray, Shelly M. Jones and John Staley (Chapter 1 Writing Team), Englewood, CO: Author.
- Jones, S.M. (2019). *Women Who Count: Honoring African American Women Mathematicians. A Children's Activity Book*. American Mathematical Society, Providence, RI. Website: www.womenwhocount.net.
- Jones, S.M. (2018). Teachers' Conceptions of Teaching Mathematics for Social Justice: Building on their Knowledge of Culturally Relevant Pedagogy, *New England Mathematics Journal*.
- Jones, S.M. (2015). Mathematics Teachers' Use of the Culturally Relevant Cognitively Demanding Mathematics Task Framework and Rubric in the Classroom. *NERA Conference Proceedings 2015*. <http://digitalcommons.uconn.edu/nera-2015/12>
- Matthews, L.E., Jones, S.M. & Parker, Y.A. (2013). Advancing a framework for culturally relevant, cognitively demanding mathematics tasks. In J. Leonard & D. Martin (Eds.), *The brilliance of Black children in mathematics: Beyond the numbers and toward a new discourse* (pp. 123 – 150). Charlotte, NC: Information Age Publishing.
- Jones, S.M. & Pearson, D.P., Jr. (2013). Music: Highly Engaged Students Connect Music to Math. *General Music Today*, 1048371313486478.

INVITED SPEAKER PRESENTATIONS

- Jones, S. M. (Dec. 10, 2020). Engineering Culturally Relevant Cognitively Demanding Mathematics Tasks. Mini STEMposium Webinar Series. <https://www.stemscopes.com/mini-stemposium>.
- Jones, S.M. (Nov. 12, 2020). Detracking Mathematics: A Necessary Step Toward Equity. National

- Council of Teachers of Mathematics Virtual Conference. <https://www.nctm.org/virtual2020/>.
- Jones, S. M. (Oct. 8, 2020). NCTM 100 Days of Professional Development. National Council of Teachers of Mathematics with Drs. Robert Berry and Christine Darden. <https://www.nctm.org/online-learning>.
- Jones, S. M. (April, 2020). *Sankofa: Looking Back to Honor 100 years of Black Mathematicians, Moving Forward in the 21st Century*, National Council of Teachers of Mathematics (NCTM) Annual Conference & Exposition, Chicago, IL.
- Jones, S. M. (June, 2019). *Teaching Mathematics for Social Justice: Using Culturally Relevant Pedagogy as The First Step*. NES/MAA Spring 2019 Meeting, Fitchburg State University, Fitchburg, MA.
- Jones, S. M. (January, 2019). *Motivating Students in Mathematics: Women Who Count*. National Association of Mathematicians, Inc. AMS Special Session at the 2019 Joint Mathematics Meetings. Baltimore, MD.
- Jones, S. M. (October, 2018). *At the Intersection of Culturally Relevant and Social Justice Pedagogies and Student Identity*. National Council of Teachers of Mathematics (NCTM) Regional Conference & Exposition, Hartford, CT.

RECENT PRESENTATIONS

- Jones, S. M. (April, 2019). *The Unhidden Figures: Inspiring Narratives and Challenging Mathematics Activities to Engage Students*. National Council of Teachers of Mathematics Annual Meeting and Exposition. San Diego, CA. (National, Peer reviewed)
- Jones, S. M. (Lead Speaker), Matthews, L., and Parker, Y. (April, 2019). *Making Waves in Mathematics Education using the Culturally Relevant Cognitively Demanding Mathematics Task Rubric to Analyze Classroom Lessons*, National Council of Supervisors of Mathematics (NCSM) 51st Annual Conference, San Diego, CA. (National, Peer reviewed)
- Holliman, N. (Lead Speaker), Jones, S. M., and Mack, K. (2019). *GIRLSwSTEAM: Empower Girls in Mathematics through Global Access and Opportunity*. National Council of Teachers of Mathematics Annual Meeting and Exposition. San Diego, CA. (National, Peer reviewed)
- Jones, S. M. (Lead Speaker) and Rivera, G. (April, 2018). *Equity in Practice: Improving Student Achievement Through Social Justice Mathematics*. 50th NCSM Annual Conference, Washington, D.C. (National, Peer reviewed)
- Jones, S. M. (Lead Speaker) and Holliman, N. (November, 2017). *Using Engaging Mathematics Lessons to Celebrate the Life and Accomplishments of Benjamin Banneker*. NCTM 2017 Regional Conference, Chicago, IL. (Regional, Peer reviewed)
- Jones, S. M. (October, 2017). *Culturally Responsive Education: A Pedagogy for Empowerment & Excellence*. Adelaide L. Sanford Institute 5th Educational Conference. Medgar Evers College, Brooklyn, NY.
- Jones, S. M. and Keazer, L. (September, 2017). *Developing Prospective Teachers' Culturally Relevant Pedagogy in Mathematics and Beyond*. CEEDAR Conference ~ Putting Research-to-Practice in Teachers Preparation: Learner Ready Day One, Cromwell, CT.
- Jones, S. M. (November, 2015). *Mathematics Teachers' Use of the Culturally Relevant Cognitively Demanding Task Framework in the Classroom*. The 46th Annual Conference of the Northeastern Educational Research Association (NERA), Interdisciplinary Approaches, Collaborating Minds, Trumbull, CT. (Regional, Peer reviewed)

PAST PRESENTATIONS

- Teachers Use of Culturally Relevant Cognitively Demanding Mathematics Tasks*. Association of Mathematics Teacher Educators in Connecticut (AMTEC) Conference, New Britain, Connecticut, September 2014.
- Pre-service Elementary Teachers' Beliefs about Diversity: Teaching Culturally Relevant Mathematics*. National Council of Teachers of Mathematics (NCTM) Annual Meeting, Denver, CO, April 2013.

The Brilliance of Black Children in Mathematics: Toward New Discourse Symposium. The National Council of Teachers of Mathematics (NCTM) Research Pre-Session, Denver, CO, April 2013.

Have Fun and Get Smarter by Connecting Math and Music. Connecticut Association of Mathematically Precocious Youth: CAMPY-on-Campus Annual Conference at Central Connecticut State University, New Britain, Connecticut. Connecticut Association of Mathematically Precocious Youth. May 2010, May 2011, May 2012 & May 2015.

Math and Music Connections Using Rational Numbers. National Council of Teachers of Mathematics (NCTM) Annual Meeting, Saint Louis, MO, April 2011.

The Wonderful Connections Between Math and Music. Associated Teachers of Mathematics in Connecticut (ATOMIC) Conference, Uncasville, CT, November 2008 & 2009.

Envisioning Local Grassroots Movements in Mathematics Education for Black Children. National Council of Supervisors of Mathematics (NCSM) Annual Conference, Philadelphia Pennsylvania, April 2009.

The Three Cs: Innovative Content, Concepts, and Components of Good Mathematics Teaching: Focus on Fractions. Strengthening Instruction in Tennessee Elementary Schools – Focus on Mathematics. SITES-M Saturday Mathematics Workshop. Partners: Tennessee State University, Fisk University, Educational Testing Service, Nashville, TN, February, 2009.

Human Graphs: Making Data Analysis and Probability Accessible to All Students. National Council of Teachers of Mathematics (NCTM) Annual Meeting, Salt Lake City, UT, April 2008.

Choosing and Implementing Mathematical Tasks That Require High Levels of Cognitive Demand. Associated Teachers of Mathematics in Connecticut (ATOMIC) Conference, Uncasville, CT, December 2007.

Maintaining High Levels of Cognitive Demand of Mathematical Tasks: From Selection to Implementation. Second Annual Conference of the Association of Mathematics Teacher Educators in Connecticut (AMTEC), New Britain, Connecticut, September 2007.

Activities to Connect Probability and Data Analysis to the Middle School Student. Associated Teachers of Mathematics in Connecticut (ATOMIC) Conference, Uncasville, CT, December 2006.

Issues in Mathematics Leadership. In association with the Connecticut Council of Leaders of Mathematics (CCLM) and the Associated Teachers of Mathematics in Connecticut (ATOMIC) Spring Conference, Manchester, CT, March 2005.

RADIO, TELEVISION, INTERNET APPEARANCES

NCSM Virtual Panel Discussion on Detracking Mathematics with President-Elect, Paul Gray. www.mathedleadership.org. (Nov. 12, 2020).

The Math Together Show on Facebook Live. Interview with Sue Looney. (Oct. 22, 2020).

The Connecticut Science Center Women in Science Webinar Series. Black Women in Mathematics. Interview with Amy Sailor, Advancement Program Manager. (Oct. 7, 2020)

Math 4 Antiracism. An interview with Ali Jones, Executive Director of Teachers2Teachers Global. A Conversation about Dr. Gloria C. Hewitt. PRIME Speaker Series. (July 7, 2020) <https://youtube/XXtBIW-XoM4>.

Life of Pi: Mathematics and Social Emotional Learning. The Ana Grace Facebook Page. (May 6, 2020).

Tom Ficklin Radio Show (2018, 2020). Interview with Drs. Shelly M. Jones and Jesse Turner on the Education Policy and Culturally Relevant Pedagogy. WNHH Community Radio. <https://soundcloud.com/new-haven-independent/the-tom-ficklin-show-dr-turner-dr-jones>

All About STEM Radio Show. (2017, 2019). Interview with STEM Author Dr. Shelly Jones by Host Dr. Mary Payton. <http://fbrn.us/shows/all-about-stem>

Our Lives Television Show on News 12 CT. (2017, 2020). Interview with Dr. Jones about her upcoming children's activity book, Women Who Count: Honoring African American Women Mathematicians in 2017 and then in 2020 after the book's release with Host Gwen Edwards.

Spelman Women to Watch. (March, 2017). Dr. Jones was one of four featured Spelman College

Alumnae. <https://www.spelmanwomentowatch.com/drsmjones-c86>
TEDxCCSU Talk (October, 2016). Culturally Relevant Pedagogy in Mathematics: A Critical Need.
<https://youtu.be/EjLOuUHN6xY>.
CCSU Central Authors Taping. (Fall, 2015). The Brilliance of Black Children in Mathematics: Beyond
the Numbers and Toward New Discourse.
https://mediaspace.ccsu.edu/media/Auth+1308+Jones.mp4/1_o89ny1hy.

GRANT AND CONSULTING WORK

Culturally Relevant Pedagogy in Mathematics: Theory and Practice, American Association of
University Professors University (AAUP) Research Grant. 2018 – 2019.
New Haven Public Schools Mathematics Academy, Topics included: Culturally Relevant Mathematics
Pedagogy for Teachers in Grades 6 – 12 and Strengthening Mathematics Content Knowledge of
Teachers in Grades K – 5. New Haven, CT. Spring 2019.
Introducing Local Teachers to Culturally Relevant Mathematics Curriculum and Pedagogy, Central
Connecticut State University Community Engagement Research Grant, New Britain, CT. 2017 –
2019.
Collaboration for Effective Educator Development, Accountability, and Reform (CEEDAR) Grant.
Connecticut Workgroup: Connecticut State Department of Education, Central Connecticut State
University, Southern Connecticut State University and Glastonbury Public School District. 2014
– 2017.
State of Connecticut Math and Science Partnership Grant, PIMMS INTEL Math Institute. Trained as an
Intel Mathematics Education Instructor. Co-taught two 80-hour mathematics content and
pedagogy professional development courses for up to 25 K-8 teachers. Initial Grant Awardee,
Green Street Teaching and Learning Center of Wesleyan University. Follow up Grant with
CCSU, Summers 2015 & 2016 and 2018.
Consultant – Stamford Public Schools, 2013 - 2017. Implement one-day and classroom-embedded
professional development workshops for middle school teachers.

OTHER PROFESSIONAL ACTIVITIES

- Reviewer – Connecticut State Department of Education Presidential Awards for Excellence in
Mathematics and Science, 2009, 2012, 2016, 2019.
- Consulting – Stamford Public Schools, 2013-2016. Provide professional development workshops
for middle school teachers with a focus on teaching middle school mathematics using the
Common Core Standards for Mathematical Practice.

RECENT COMMUNITY ENGAGEMENT ACTIVITY

- Study Abroad trip with five students to Accra, Ghana. Taught students in the Smile Child
Academy in Lolita, Ghana. Trip duration: March 8-17, 2019.
- Teachers2Teachers Global Professional Development Team, Two-week team visits to: Santo
Domingo de Onzole, Ecuador (2016, 2018); Galapagos, Ecuador (2017, 2018); Quito, Ecuador
(one-day mathematics workshop, 2017).
- *Benjamin Banneker Day* Clock Making with students, 2014 – 2017, Access Educational Services,
Inc., Bridgeport, CT.
- *Benjamin Banneker Association Teacher Recognition Awards* and mathematics activities with
students, April 2015, Boston, MA, April 2016, San Antonio, TX.
- STEM Conference Panelist: *The Uncommon March to the Common Core*. March 11, 2015.
- Keynote Speaker, Love Christian Academy 10th Anniversary, May 12, 2014, Bridgeport, CT.
- *STEMfest* Math Activities Table, April 26, 2014, Stamford, CT.
- STEM Conference Speaker, February 22, 2014, *Using a Framework to Create Culturally
Relevant Mathematics Tasks*, Bridgeport, CT.

COMMUNITY AWARDS

1. Central Connecticut State University (May, 2019). Ruthe Boyea Women's Center and Women, Gender and Sexuality Studies, Women of Color Awards, Inaugural Class., New Britain, CT.
2. Connecticut Science Center (April, 2019). Petit Family Foundation Women in Science Leadership Award, Finalist in the Connecticut Science Center STEM Achievement Awards, Hartford, CT.
3. Mathematically Gifted and Black Website (February, 2019). Circle of Excellence Honoree for February 25, 2019. www.mathematicallygiftedandblack.org.
4. WeCare Community Center, Incorporated. (May, 2017). Educator Recognition Award at the Scholarship and Educator Recognition Awards Dinner, Shelton, CT.
5. Milford, CT Chapter of the Links, Incorporated (May, 2017). Excellence in Education Award, Trumbull, CT.
6. Alpha Kappa Alpha Sorority Incorporated, Theta Tau Omega Chapter and The Polished Pearls Foundation (June, 2017). *Bridgeport Girls Rock* Education Award, Bridgeport, CT.

PROFESSIONAL MEMBERSHIPS

- Association of Mathematics Teacher Educators in Connecticut, (AMTEC), Member
- Associated Teachers of Mathematics in Connecticut (ATOMIC), Member
- Benjamin Banneker Association (NCTM Affiliate Organization), President-Elect
- Connecticut Council of Leaders of Mathematics (CCLM), Member
- NCSM: Mathematics Education Leadership, Position Papers Editor
- National Council of Teachers of Mathematics (NCTM), Member

COMMUNITY AFFILIATION

Board of Directors (2018 – present). *Inspire Me Foundation*, a nonprofit with the purpose of promoting authentic, student-centered and culturally relevant teaching and learning experiences in mathematics, science, engineering and technology across the globe. Director: Dr. Lou Matthews, Urban Teachers.