NATASHA JOHNSON

2801 W. Bancroft St., Gillham Hall 2000AA, Toledo, OH 43606
Email:nhillsmanjohnson@gmail.com Phone:(678)849-4834

ACADEMIC APPOINTMENT:

UNIVERSITY OF TOLEDO — Toledo, OH
Assistant Professor, Department of Teacher Education — August 2020 – present
Interim Director, Toledo Transition (T^2) Program — January 2022 – June 2022

EDUCATION:

UNIVERSITY OF GEORGIA — Athens, GA
Doctor of Philosophy, Science Education
Major Professors: Drs. David Jackson and Deborah Tippins

MERCER UNIVERSITY — Atlanta, GA
Master of Education, Secondary Science Education
Advisor: Jude Johnson

CORNELL UNIVERSITY — Ithaca, NY
Bachelor of Science, Major: Chemical Engineering

CERTIFICATION

Secondary Science Education Certification (GA): Chemistry/Broad Field Science (6-12), AP Chemistry

TEACHING EXPERIENCE

University Experience

Course	Institution	Semester
Theory and Research (CI/CIEC)	University of Toledo	Fall, 2024
Early Childhood Education Science Methods	University of Toledo	Spring, 2024
Practicum II (ECE)	University of Toledo	Spring, 2024
Doctoral Pro-Seminar II: Themes in Theory and Research in Curriculum and Instruction	University of Toledo	Spring, 2024
Doctoral Pro-Seminar I: Introduction to Scholarship in Curriculum and Instruction	University of Toledo	Fall, 2023-2024
Multicultural Emerging Scholars Program (MESP) ChemCamp Instructor	University of Toledo	Summer, 2021, 2023, 2024
Advanced Teaching Methods Middle Grades/AYA Science	University of Toledo	Fall, 2020-2024
Developing Instruction in Mathematics and Science for Grade 4-5	University of Toledo	Fall, 2020, 2021, 2022 Spring, 2021, 2022, 2023
Practicum III(MIDD/AYA)	University of Toledo	Fall, 2020-2023 Spring, 2021-2024
Internship in Student Teaching	University of Toledo	Spring, 2021-2024

NATASHA JOHNSON

2801 W. Bancroft St., Gillham Hall 2000AA, Toledo, OH 43606
Email:nhillsmanjohnson@gmail.com Phone:(678)849-4834

Seminar: Managing the Science Classroom	University of Toledo	
School Based Internship	University of Georgia	Spring 2017
Freshman Chemistry Laboratory	University of Georgia	Fall, 2015, 2016 Spring, 2016, 2017, 2018
Freshman Chemistry Lecture	University of Georgia	Fall, 2016
Physical Science for Middle School Teachers	University of Georgia	Fall, 2016
Elementary Science Methods	University of Georgia	Summer, 2011
Louis Stokes Alliance for Minority Participation (LSAMP) Tutor	University of Georgia	Fall, 2010

K-12 Teaching

Science Teacher (Broad Field Science, Chemistry, Earth/Space Science, AP)

EAGLE'S LANDING HIGH SCHOOL, McDonough, GA	2017 - 2020
ROCKDALE COUNTY HIGH SCHOOL, Conyers, GA	2013 - 2015
NORTH ATLANTA HIGH SCHOOL, Center for Performing Arts, Atlanta, GA	2011 – 2013
SOUTH ATLANTA COMPLEX, Computer Animation & Design, Atlanta, GA	2008 – 2010
MILLER GROVE HIGH SCHOOL, Lithonia, GA	2006 – 2008
SOUTH ATLANTA HIGH SCHOOL, Atlanta, GA	2002 – 2006

Other Teaching Experience

GEORGIA VIRTUAL SCHOOL Adjunct Science Teacher	Atlanta, GA 2011 – 2019
EDGENUITY INC Instructional Supervisor	Remote GA 2015 - 2016
ATLANTA-GWINNETT UPWARD BOUND PROGRAM, Georgia State University Science Instructor	Atlanta, GA 2006 - 2011

RESEARCH INTERESTS

Multicultural Science Teacher Education
STEM Undergraduate Education
Science Teaching and Learning
Technology Integration and Online Instruction

AWARDS AND SCHOLARSHIPS

Ralph E. Powe Faculty Award	June 2022

NATASHA JOHNSON

2801 W. Bancroft St., Gillham Hall 2000AA, Toledo, OH 43606
Email:nhillsmanjohnson@gmail.com Phone:(678)849-4834

University of Michigan NextProf Science Workshop Participant	May 2018
NARST Teacher Scholarship Award	March 2013
NARST Jhumki Basu Equity Scholars Award	March 2012

PUBLICATIONS:

Thompson, F., Tyler, K., Matias, C., Toland, M. D., & Johnson, N. H. (Accepted 2024). Exploring Preservice Teachers' Practices and Perspectives on Whiteness. *Whiteness and Education*.

Johnson, N. H. (Under Review). It's Elemental: A Novel Approach to Getting to Know Your Students and the Periodic Table. *Science Scope.*

Johnson, N. & Jeong, S. (2023). Cases in Elementary Science Teaching: Now and in the Future. In S. Jeong , L. Bryan, D. Tippins & C. Sexton (Eds.), Navigating the challenges of elementary science teaching and learning: Using case - based pedagogy to understand dilemmas of practice . Dordrecht, the Netherlands: Springer.

Johnson, N. H. & Jeong, S. (2023). A look inside the atom: The basic building block of matter and the foundation in an online science course .In F. Allaire & J. Killham (Eds.), Teaching and learning online: Science for secondary grade levels . Information Age Publishing Inc.

Johnson, N. H. (2021). *Life in the Double Bind: An investigation of how the experiences of African American females influence their persistence in STEM majors*. In B. Polnick, B. Irby, & J. Ballenger. (Eds.). *Girls and women of color in STEM: Navigating the double bind.* Charlotte, NC: Information Age Publishing Inc.

Atwater, M. M. & Johnson, N. H. (2012). Diversity and science education, In Banks, J. A. (Ed.). *Encyclopedia of Diversity in Education* (Vol. 1). SAGE Publications, Incorporated.

Atwater, M. M., Lance, J., Woodard, U. & Johnson, N. H. (2013). Race and ethnicity: Powerful cultural forecasters of science learning and performance, *Theory into Practice, 52*(1), 6-13.

Johnson, N. H. & Atwater, M. M. (2013). Infusion of culturally relevant pedagogy in science teaching: Beliefs and actions are the problem. In Atwater, M. M., Russell, M., & Butler, M. (Eds.), Multicultural science education: Preparing teachers for equity and social justice.

Johnson, N. H. & Brumback, L. (2013). Co-teaching in the science classroom: The one teach/one assist model. *Science Scope. 36* (6), 6-9.

CONVENTION PAPERS & PRESENTATIONS

Johnson, N. H. (Submitted August 2024). *An Inclusive STEM Environment: Experiences of Students with Disabilities in the Introductory Chemistry Course,* National Association for Research in Science Teaching (NARST), Baltimore, Maryland.

Steele, D., Jeong, S., & Johnson, N. H. (March 2022). *Secondary Teachers Becomings: Fostering Anti-deficit Noticing Through Attending to Students' Sense-making Repertoires,* National Association for Research in Science Teaching (NARST), Vancouver, British Columbia, Canada.

NATASHA JOHNSON

2801 W. Bancroft St., Gillham Hall 2000AA, Toledo, OH 43606
Email:nhillsmanjohnson@gmail.com Phone:(678)849-4834

Johnson, N. H. (March 2022). *Building Bridges: An Intervention to Improve Academic Outcomes for Underrepresented "Minority" Students in General Chemistry,* National Association for Research in Science Teaching (NARST), Vancouver, British Columbia, Canada.

Johnson, N. H., Tippins, D., Jackson, D., & Shen, J. (April 2021). *Experiences in Freshman Chemistry: Using Cogenerative Dialogues to Identify Critical Issues Impacting African American Females,* National Association for Research in Science Teaching (NARST), Virtual.

Pienta, N. J., Larkins, M., Johnson, N. H., Aspley, A., & Barron, T. (November 2016). *Improving student success in General Chemistry: Implementing a drop-back course*, American Chemical Society (ACS), San Francisco, CA

Johnson, N. H., (April 2014). *Success in Doctoral Programs: Experiences of Minority and White Students*, National Association for Research in Science Teaching (NARST), Pittsburgh, PA.

Johnson, N. H., (October 2013). *Culturally Relevant Teaching in the Science Classroom.* The National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChe), Indianapolis, IN.

Johnson, N. H., & Atwater, M. M. (April 2013). *Beliefs and actions on preparing teachers for equity and social justice.* National Association for Research in Science Teaching (NARST), Rio Grande, PR.

Johnson, N. H., & Atwater, M. M. (April 2013). *Response to failure: Undergraduate STEM majors experiences in freshman chemistry.* National Association for Research in Science Teaching (NARST), Rio Grande, PR.

Johnson, N. H., Atwater, M. M., Butler, M., Parsons, E. & Freeman, T. (March 2012). *African American Female Faculty Members: Factors Influencing their Recruitment, Retention and Promotion at Traditionally White Institutions.* National Association for Research in Science Teaching (NARST), Indianapolis, IN.

GRANTS

Funded

Johnson, N. Y. (Principal Investigator). *Cultivating Persistence and Leadership Development in Science Master Teachers.* Sponsor: National Science Foundation, 23-586, Robert Noyce Teacher Scholarship Program, Track 3. March 1, 2024 – February 28, 2029. (Submitted August 2023- $2,291,944).

Johnson, N. Y. (Principal Investigator). *An Inclusive STEM Environment: Using Cogenerative Dialogues to Investigate the Experiences of Students with Disabilities in Freshman Chemistry.*Sponsor: Oak Ridge Associated Universities. June 1, 2022 – May 31, 2023. (**funded** - $10,000)

Johnson, N. Y. (Principal Investigator). *The Infusion of Chemistry Instruction and Metacognitive Learning Strategies into an Existing Summer Bridge Program: A Case Study*. Sponsor: Internal Grant University of Toledo, Research Awards and Fellowships Program (RAFP). May, 2021 – December, 2021. (**funded** - $17, 495).

NATASHA JOHNSON

2801 W. Bancroft St., Gillham Hall 2000AA, Toledo, OH 43606
Email:nhillsmanjohnson@gmail.com Phone:(678)849-4834

Not Funded

Johnson, N. Y. (Principal Investigator). *Partnership to Cultivate Science Teacher Leaders in Rural and Urban School Districts*. Sponsor: National Science Foundation, 21-578 Robert Noyce Teacher Scholarship Program, Track 3. March 1, 2023 – February 28, 2028. (Submitted August 2022- $1,499,966).

Hamer, L. (PI), Cox, J., **Johnson, N.Y**., Aguiton, R., Malakpa, S., & Toland, M. D. (Key Personnel) Teach Toledo Scholars. Sponsor: United Way Greater Toledo. July 1, 2021 – June 30, 2024. ($185,220). Submitted January 8, 2021.

Toland, M. D. (Key Personnel), & **Johnson, N. Y.** EKU-NOYCE Science Scholars. Sponsor: National Science Foundation, 17-541, Robert Noyce Teacher Scholarship Program, Track 1. March 1, 2021 – February 28, 2026. (Subaward to UToledo from EKU - $66,250).

PROFESSIONAL SERVICES

Program Reviewer

Ohio Department of Higher Education (ODHE) AYA Science Panel — Summer, 2021-present

Ad Hoc Reviewer

The Science Teacher — Summer, 2021-present
Journal of STEM Education — Fall, 2024

Proposal Reviewer

National Association for Research in Science Teaching (NARST) — Fall, 2024
National Science Foundation (NSF) Panel Reviewer — Fall, 2021

Service to University of Toledo

Equity Champion — Fall, 2022
Participant, CETL Course Design Institute — Summer, 2022
Mentor, University of Michigan Preparing Future Faculty Seminar — Summer, 2022, 2024
Speaker, Rocket Talk — Spring, 2022, Fall, 2022
Mentor, Talented Aspiring Women Leaders (TAWL) — Fall, 2021-present
Speaker, Teach for Tomorrow — Fall, 2021
Speaker, Black and Latino Student Excellence (BLX) Transition Program — Summer, 2021, 2023, 2024
Co-coordinator, Project SEED — Spring, 2021-2023

Service to College of Education at the University of Toledo

NATASHA JOHNSON

2801 W. Bancroft St., Gillham Hall 2000AA, Toledo, OH 43606
Email:nhillsmanjohnson@gmail.com Phone:(678)849-4834

Presenter, GoodKind Video Project	Fall 2024
Speaker, Diversity Workshop, Speaker, TPS Young Aspiring Educators, Event	Spring 2024
Speaker, BUS Visit - Ida High School	Spring 2023
Speaker, Rocket Scholarship Day	Fall, 2022 - present
College Marshal/Reader, Commencement Ceremony	Fall 2022, 2023
Member, Search Committee for Director of Student Field Placement Experience	Spring, 2023
Member, Academic Affairs Committee	Fall, 2022-present
Member, Search Committee for Assistant Professor of Foundations of Education	Spring, 2022
Member, College Council	Fall, 2021-present
Member, Diversity Committee	Fall, 2021-present
Member, Teach Toledo Steering Committee	Spring, 2021
Member, Search Committee for ThinC Postdoctoral Researcher	Spring, 2021
Speaker, Coffee with Dean Witte	Spring, 2021

Other Service

Science Education Outreach, Chase STEMM Academy, Toledo Public Schools	Fall, 2024
STEM Outreach, Ella P. Stewart Academy for Girls, Toledo Public Schools	Fall, 2021
Guest Speaker, Ohio State University, Methods in Teaching STEM Secondary Science II Course, Dr. Sophia Jeong	Fall, 2020

PROFESSIONAL MEMBERSHIPS

National Science Teachers Association (NSTA)
Association for Science Teacher Education (ASTE)
National Association for the Research in Science Teaching (NARST)

SERVICE ON DOCTORAL COMMITTEES

Student and Program Area	Dissertation Topic/Title	Role/Term of Service
Amerah Archer Curriculum & Instruction	Dismantling the Panopticon of Education: Toward Preparing Social Justice Teachers of Subject Matter	Member, 2020-2022
Jimmie Jones Social Foundations of Education	College Preparatory Experiences of African American Male Foster Youth in Congregate Care:A Phenomenological Study	Member, 2023-present

NATASHA JOHNSON

2801 W. Bancroft St., Gillham Hall 2000AA, Toledo, OH 43606
Email:nhillsmanjohnson@gmail.com Phone:(678)849-4834

Josie Mazza Social Foundations of Education	The exploration of the teacher's implicit bias on the phenomenon of the adultification of African American girls in American education	Member, 2023-2024
Morgan Ramsdell Social Foundations of Education	Action Research in the Science Classroom: A Longitudinal Case Study of the Effects of a Socioscientific Curriculum on the Epistemological Development of Sixth-Grade Students	Member, 2021-present
Kelley Webb Social Foundations of Education	Impact of an Antiracist Framework on the Development of Culturally Responsive Teachers	Member, 2023-present
Alison Ruplinger Curriculum & Instruction	Science Education	Member, 2023-present
Hannah Smith Curriculum & Instruction	Special Education	Member, 2023-present
Brittany Jo Smith-Betts Curriculum & Instruction	Special Education	Member, 2023-present
Kristi Timmons Curriculum & Instruction	Special Education	Member, 2023-present