

Dr. Darnell Johnson
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Curriculum Vita

EDUCATION

Doctor of Education, George Washington University, 2000
Certificate of Advanced Studies in Administration, Old Dominion University, 1986
Master of Arts in Mathematics Education, University of Kentucky, 1977
Bachelor of Science in Mathematics (HONORS), Elizabeth City State University, 1973

WORK EXPERIENCE

Teaching-University Level

E. V. Wilkins Endowed Professor, School of Education, Elizabeth City State University, 2011-Present
CRESER Research Associate, Elizabeth City State University, 2010-Present
Assistant Dean, College of Education & Continuing Studies, Hampton, University, 2009-2010
Associate Professor/Chairperson, Department of Education, College of Education & Continuing Studies, Hampton, University, 2009-2010
Associate Professor/Chairperson, Graduate Faculty, Mathematics & Computer Science, Elizabeth City State University (TENURED), 2004-2009
Mathematics Department Chairperson, Elizabeth City State University, 2004 to present
Coordinator of Student Teaching, 2004-2009
Coordinator of Graduate Program, Department of Mathematics & Computer Science, 2005-2009 (Tenured) Associate Professor of Mathematics at Elizabeth City State University, 2004 to 2009
Adjunct Professor of Mathematics at Elizabeth City State University, 1985-1991, 2001-2004
Adjunct Professor of Mathematics at Norfolk State University, 1985-1986
Adjunct Professor of Mathematics at Old Dominion University, 1985-1986
Graduate Teaching Assistant-University of Kentucky, 1973-1974

Teaching-Middle/Secondary Levels in Portsmouth City Schools-Portsmouth, VA

Teacher-Mathematics
Cradock High School, Manor High School, Waters Junior High School, 1974-1986

School Administration in Portsmouth City Schools-Portsmouth, VA

Principal-Churchland Middle School, 1999-2004
Principal-New Directions Center, 1990-1993 & 1994-1999
Assistant Principal-Bayside Junior High School, 1989-1990
Assistant Principal-Waters Junior High School, 1986-1989

Central Office Administration in Portsmouth City Schools-Portsmouth, VA

Coordinator of Community Schools, 1993-1994

Certification of Teaching License

North Carolina-Teaching, 2009-2013
Virginia-Teaching & Administration, 2012-2017

SELECTED PUBLICATIONS

BOOKS & RESOURCES

Johnson, D. (2003). Middle School Resource Guide for Success with Virginia Standards of Learning Curriculum. Portsmouth, VA.

Johnson, D. (2002). Middle School Resource Guide for Success with Virginia Standards of Learning Curriculum. Portsmouth, VA.

Johnson, D. (2000). Perceived Mentor Benefits from a Formal Mentoring Experience. Washington, D.C. The George Washington University

Johnson, D., Bevins, Je., Bevins, Jo., Luke, A., McConner, M. "The Effect of a Math Sprint Tutorial Model on Mathematics Achievement of Seventh Graders at Elizabeth City Middle School in Elizabeth City, North Carolina" CERSER, Elizabeth City State University, April, 2012.

Johnson, D., Cartman, D., Elder, M., Leavy, S. "The Use of the Math Sprint in a Tutorial Program for Sixth Grade Students to Improve End of Grade Tests" CERSER, Elizabeth City State University, July, 2011.

Johnson, D, Austin, M., Bridges, Y, Cogbil, N. "Race to the Top-A Five Year View of Math Sprints at Camelot Elementary School 2005-2010" CERSER, Elizabeth City State University, April, 2010.

Johnson, D., Bly, P. & Walton, T. "Applying the National Aeronautics and Space Administration's Concepts to America's Grade Six Mathematics Standards: Traveling to the Moon" CERSER, Elizabeth City State University, April, 2009.

Johnson, D. & Hayden, L. B. Elizabeth City State University; *"You Be the Polar Scientist: Design and Implementation of Underrepresented K-12 Student Involvement in Knowledge Transfer Activities Related To Remote Sensing Of Ice Sheets"*, IEEE-IGARSS Proceedings, Boston, Mass., July, 2008.

Johnson, D., Fields, T., Goins, C., Weeks-Jamison, S., Thomas, I., & Walton, T. "The Effect of Math Sprint Competition In Student Achievement on SOL Mathematics Tests at Camelot Elementary School in Chesapeake, Virginia" CERSER, Elizabeth City State University, April, 2008

Johnson, D., Hayden, L. B., Blackmon, R. H., LeCompte, M., and Porter, W. K. Elizabeth City State University; Williams, J. E., Wake, C. P., Abrams, E. D., Hurtt, G. C., Graham, G., B., Rock N., and Hale, S. University of New Hampshire; *BUILDING A MODEL OF UNIVERSITY COLLABORATION, Building a Model of Collaboration Between Historically Black and Historically White Universities*, Journal of Diversity in Higher Education: October 30, 2007

Johnson, D., Hayden, L. Elizabeth City State University & Hughes, T., University of Maine: “*Remote Sensing of Ice Sheets for Underrepresented and Handicapped Middle School Students*”, IEEE-IGARSS Proceedings, Barcelona, Spain, July, 2007.

COORDINATOR: THESIS DEFENSE TEAM HONORS PROGRAM & SENIOR MATHEMATICS PROJECTS

Green, N. “*Elliptic Curve Cryptography vs. Rivest Shamir Adelman: Why Is Elliptic Curve Cryptography Better?*” Elizabeth City State University-Honors Program: April, 2007.

Poole, S. “*Design and Implementation of a Simple Encryption System for Secure Transmission of Data and Information*” Elizabeth City State University-Honors Program: April, 2005

Brehon, B. “*Coding, decoding and code breaking using matrices*”: April, 2007

Brown, C. “*Calculating Pi*”: April, 2007

Green, N. “*Public Cryptography (RSA Method)*”: April, 2007

Jennings, A. “*An Elliptic Integral*”: April, 2006

Jordan, C. “*Graphs in Polar Coordinates*”: April, 2006

Sawyer, P. “*Logistic Growth of U.S. Population*”: April, 2006

Sykes, M. “*The Skimpy Donut*”: April, 2006

Whitehurst, A. “*Calculating Pi*”: April, 2006

Cahoon, A. “*Public Cryptography (RSA Method)*”: April, 2005

Graves, D. “*S.I.R. Model for Infectious Disease*”: April, 2005

Prayer, J. “*Network Security Issues and Solutions*”: April, 2005

Tann, R. “*Exploring Taylor’s Polynomial*”: April, 2005

SELECTED MASTERS THESES DIRECTED

“Strategies Used to Improve Achievement of At-Risk Fourth Grade Students on the 2010-2011 Math End of Grade Test in Selected School Districts in Northeastern North Carolina”. Elizabeth City State University, Elizabeth City, NC; March, 2012

Graduate Student: Corese Bowser

“The Impact of Elizabeth City State University’s Upward Bound Program on the GPA of Students in Grades Nine through Twelve from 2000-2008”. Elizabeth City State University, Elizabeth City, NC; April, 2009

Graduate Student: Regina Price

“The Correlation of Math and Children’s Literature: An Experimental Approach to Increase Problem Solving Skills for Third Graders”. Elizabeth City State University, Elizabeth City, NC; April, 2009

Graduate Student: Sandy Ivey

“Satellite Based Photoclinometry and Laser Altimetry Applied to Determining the Antarctic Ice Sheet Grounding Line”. Elizabeth City State University, Elizabeth City, NC; April, 2009

Graduate Student: Karitsa Williams

“An Investigation of High School GPA and SAT Score as Predictors of Academic Performance at ECSU for the Years 1994 through 2003”; Elizabeth City State University, Elizabeth City, NC; April, 2008.
Graduate Student: Usha Kulkarn

“Erdos-Sos Conjecture in Graph Theory”. Elizabeth City State University, Elizabeth City, NC; April, 2007
Graduate Student: Dana Brown

“Analyzing the Impact of Academic Achievement at ECSU Using SAT Scores”. Elizabeth City State University, Elizabeth City, NC; November, 2007
Graduate Student: Brian Jordan

“The Assessment of the Students Enrolled in Developmental Mathematics at ECSU”. Elizabeth City State University, Elizabeth City, NC; November, 2007
Graduate Student: Kimberly W. Griffin

“Dynamics of Electric Circuits”; Elizabeth City State University, Elizabeth City, NC; April, 2006
Graduate Student: Kevin Jones

“Modeling Action potentials in Neurons”; Elizabeth City State University, Elizabeth City, NC; April, 2006
Graduate Student: Eunice Smith

SELECTED RESEARCH ACTIVITIES

NCATE Coordination/Planning Team, College of Education, Hampton University, 2009-2010
Hampton University Annual Black Family Conference-Planning Committee, 2009- 2010
Hampton University STEMtastic Day Event with K-12 Schools & NASA-Coordinator, 2009-2010
Mentor, CERSER Mathematics Research Team, 2007-2012
CReSIS Education Coordinator, 2004-2009
NASA Public School Math Sprint Coordinator, 2004-2009
CERSER Mentor & Community Outreach, 2004-2009
Mathematics Teacher Education Training, 2004-2009
NASA Earth Science Education Community Outreach, 2004-2009
Co-PI Mid-Eastern Alliance for Minority Participation (MEAMP), 2004-2007
Coordinator of CReSIS Middle School Workshop, 2006-2009

SELECTED FUNDED RESEARCH PROJECTS

NASA Innovations in Climate Education, NSF Grant (\$761,000) 11-12.
MATHCOUNTS for the Northeastern Mathematics & Science Partnership of NC (\$3,000,000) 05-06.
Phase II – Mid-Eastern Alliance for Minority Participation, NSF Grant, (\$4,133,305) 2006-2011.
Math Sprint Competitions, NASA Grant, (\$20,000) 2003-2005.
You Be The Scientist, NASA Grant, (\$50,000) 2000-2004.

AIMS Teacher Grant, NSF Grant, (\$225,000) 1999-2004.
Eisenhower Mathematics and Science Grant, NSF Grant, (\$300,000)1999-2004.
Dropout Prevention Grant, VA Dept of Ed Grant, (\$800,000) 1994-1999.

BOARDS, COUNCILS, & COMMITTEES

Education Advisory Council
Graduate Advisory Council
Curriculum Planning Council
Career Services Advisory Board
American Education Week Committee
Mathematics Association of America-ECSU Department Liaison
NC-Algebra Research Collaboration Council
General Studies Advisory Board
PRAXIS Committee
NCATE Planning Committee
SMST Research Week Planning Committee
AASCU-Education Trust Visit Team
SMST Post-Tenure Review Council
MEAMP Committees
Faculty Search Committee
Summer School Committee
Honor's Program Thesis Defense Team
MCS Thesis Defense Team
VA-NC LSAMP Advisory Board
Chancellor's Installation Planning Committee
UNC Tomorrow Council
NC Early Mathematics Placement Test Advisory Board
North Carolina Mathematics and Science Education Network Board
New Chesapeake Men for Progress

PROFESSIONAL PRESENTATIONS & CONFERENCES

NASA STEM Conference, February 2011, 2012
National Science Foundation STC Conferences, 2011, 2012
NCATE Visitation Team-Coordination Team, February 2010
NCATE Workshop Facilitator, 2009, 2010, 2011, 2012
Region II VA Superintendent Council, 2009-2010
2009 National Selection Committee (NSC) for the Presidential Awards for Excellence in Mathematics and Science Teaching (PAEMST) program, August 2009
North Carolina Conference of Mathematics Teachers-October, 2008
Math Sprint Competition-August, 2008
Back to School Workshop-August, 2007-2009
International Geoscience and Remote Sensing Symposium-July, 2008
Motivating Faculty for Student Achievement-November, 2007

Building Student Character-November, 2007
Preparing for School-August, 2007
Helping Parents Understand the Role of the Black Male-June, 2006
Encouraging Student Success-March, 2006
Understanding the Black Male in the Educational Setting-March, 2006
Virginia Standards of Learning Process and Assessment-August, 2003
Inclusion in Virginia's Middle Schools-April, 2003
Increasing Mathematics Scores on the Virginia SOL-June, 2003
Classroom Management in Public Schools-May, 2003
Organizing the Middle School Curriculum of English and Mathematics-April, 2003
Educational Administration: The Assistant Principal-July, 2001
Levels of Leadership-August, 2000
Effective Classroom Instructional Methods-September, 2000
Effective Teaching Methods to Test-Score Gains in Mathematics-October, 2000
Discipline with Dignity-August, 1999
Educational Technology-November, 1999
Computers for Learning in Mathematics-September, 1999
Safe Schools Planning-January, 1998
Moving Toward the Middle School-May, 1991

PROFESSIONAL ORGANIZATIONS

ECSU Chapter of IEEE
National Council of Teachers of Mathematics
North Carolina Council of Mathematics Teachers
Mathematics Association of America
Phi Delta Kappa
Association of Supervision and Curriculum Development
National Association of Middle/Secondary School Principals
Virginia Association of Middle /Secondary School Principals

AWARDS

1st Black Head Coach at Cradock High School, 1975
Graduate Student Counselor at University of Kentucky, 1973-1974
President Student Government Association, Elizabeth City State University, 1973
Invitation to Dallas Cowboys' Walk on Professional Football Camp, 1973
Graduate Teaching Assistantship to University of Kentucky, 1973
NCAA Postgraduate Scholarship to Southern Region Student Athlete, 1973
1st CIAA NCAA Postgraduate Scholarship recipient, 1973
ALL CIAA Academic Team, 1972
Co-Captain, Football Team, 1972
Who's Who Among American Colleges and Universities, 1972 & 1973
Vice-President Student Government Association, Elizabeth City State University, 1972
CIAA Football Championship Team, 1971
Football Championship Team, 1969-1972: 3-year starter at Defensive End

HONORS

Selected as an Inductee: ECSU “Sports Hall of Fame” for 2012
Elizabeth City State University National Alumni Award for Education 2009
Volunteer Award – Portsmouth Sheriff’s Department 2004
Secondary Principal of the Year Award – Portsmouth Public Schools 2000
“Man of the Year” Award - Fundamental Baptist Fellowship Association 1997
Regional Citizenship Award Finalist – The Virginian Pilot 1997
“Liberty Bell” Award – Portsmouth Bar Association 1995
Guest Speaker/Host Channel 47 Portsmouth Public Schools 1995
Virginia Urban Fellows Recipient/School Personnel 1994
Principal’s Award - New Directions Center 1993
Bayside Optimist Club Award 1991
Volunteer Award – Alanton Black Male Culture Club 1990
Chaplain’s Award – Southeastern Correctional Ministries 1990
Principal’s Award – W. E. Waters Junior High School 1988
Manor High School Band Parents Association Award 1986