Faculty Collaborative Research Efforts (illustrative list)

**In-Progress Collaborative Research Efforts**

1. Chuang Wang and Do-Hong Kim are examining the psychometric properties of a self-efficacy scale for English language learners.
2. Mickey Dunaway, Jim Bird, Dawson Hancock, and Chuang Wang are researching superintendents’ perceptions of the school improvement process in the southeastern United States.
3. Jae Hoon Lim and Jim Watson are revising two manuscripts that examine various aspects of 6th grade girls’ transitions experiences with school mathematics.
4. Delores Lee, Jae Hoon Lim, and Jim Watson have submitted a manuscript exploring the influence of African American administrators on gender and racial inequity in mathematics education.
5. Claudia Flowers and Bob Algozzine are collaborating on a research methods textbook.
6. Brenda McMahon and Denise Armstrong are preparing a journal article about rhetoric and reality and connecting thoughts, words, and deeds in educational leadership.
7. Allen Queen, Lorraine Stanton, and Mark Sivey are working on a book about new developments in block scheduling.
8. Lisa Merriweather and Joel Bryant are developing an article on culturally sensitive models of doctoral persistence.
10. Mickey Dunaway and Janice Lewis are collaborating on a study of southeastern U.S. school district organizational patterns.
11. Mickey Dunaway, Do-Hong Kim, Todd Griffin, and Renae Szad are exploring perceptions of teachers and principals in Iredell-Stateville Schools of the authenticity of teacher evaluation processes, including previous and current North Carolina evaluation systems.
12. Allen Queen and Jennifer Nichols are working on a book on beginning teachers.
13. Allen Queen, Jennifer Nichols, and Bobbie Cox are submitting a grant proposal related to the retention of college freshmen.
14. Rich Lambert, Claudia Flowers, and Chuang Wang are working on a manuscript regarding the use of effect size in post-hoc multiple comparisons to identify interaction effects.
15. Do-Hong Kim, Mickey Dunaway, and Renae Szad have a journal article in press on a study of the perceptions of teachers and administrators regarding the purpose and value of school improvement plans.
16. Allen Queen and Bob Algozzine are submitting a grant application to support research and professional development on the prevention of childhood obesity.
18. Rich Lambert and Annette Ulrich are working on several manuscripts related to the impact of children with problem behaviors on teacher stress.
20. Mickey Dunaway and Brian Foreman are working on an article about the role of social capital in the process of school improvement.
21. Rebecca Shore, Pam Shue, and Richard Lambert are studying the readiness and needs of elementary principals with PK students on campus.
22. John Gretes and Richard Hartshorne are exploring how the use of technology by College of Education faculty aligns with national educational technology standards and the impact of technology-related professional development on technology use by faculty.
23. Lynn Ahlgrim-Delzell, Bruce Taylor, and Barbara Agnello are investigating literacy development of students with significant cognitive disabilities via video ethnography.
24. Lisa Driscoll and Jim Lyons are working on a manuscript related to current school desegregation practices.
25. Rebecca Shore and Joel Bryant have a manuscript in press that addresses the role of neuroscience in contemporary education policy.
26. Bob Algozzine and David Test are reviewing multiple manuscripts as co-editors of *Career Development for Exceptional Individuals*.
27. Bob Algozzine and Kate Algozzine are studying team decision-making with collaborators from the University of Oregon.
28. Bob Algozzine and Fred Spooner are reviewing multiple manuscripts as co-editors of *The Journal of Special Education*.
29. Claudia Flowers and Do-Hong Kim are investigating student academic test performance, score comparability, and student preference of two types of read-aloud accommodations – computer text reader and adult read-aloud.
30. Allen Queen, Bob Algozzine, and Jim Watson are finalizing a manuscript on a local school district’s success with block scheduling over a 20-year period.
31. Chuang Wang, Ya-Yu Lo, and Bob Algozzine are preparing a manuscript on the use of Hierarchical Linear Modeling to analyze data collected in single-subject research designs.
32. Richard Hartshorne, Meredith DiPietro, Patti Wilkins, and Rich Lambert are working with Union County Schools on the evaluation of change in teacher practice and student outcomes resulting from the implementation of a 1:1 laptop computer initiative.

33. Lynn Ahlgrim-Delzell and Diane Browder are creating a curriculum for “Go-Talks” to teach phonemic awareness to students with speech difficulties and who are unable to access current curricula that require verbal responses.

34. Meredith DiPietro and Lynn Ahlgrim-Delzell are investigating issues regarding scale-up of a literacy curriculum for students with significant cognitive disabilities in Charlotte-Mecklenburg Schools.

35. Julie Covington, Allen Queen, Don Schumacher, and Bob Algozzine are preparing a grant proposal comparing factors impacting childhood obesity in the middle schools.

36. Jim Watson and Laura Hart are collaborating on a study of grading practices and policies.

37. Jim Bird, Mickey Dunaway, Dawson Hancock, and Chuang Wang are investigating the role of superintendents in school improvement and the relationships between authenticity and best practices.

38. Claudia Flowers and Diane Browder are collaborating on the qualitative evaluation of the MASTERY Project.

39. Rebecca Shore and Spencer Salas have a manuscript in press that addresses practices to improve school climate and improve learning environments for Latino students.

40. Rebecca Shore and Marion Bish are studying Kindergarten readiness measures in Cabarrus County Schools.


42. Miguel Pando, Brett Tempest, and Sandra Dika are writing a research proposal to study the relationship of interaction with engineering professionals and faculty to attitudes toward engineering, intentions to continue in engineering, and continued enrollment for underrepresented minority engineering students.

43. Mickey Dunaway, Jim Bird, Jim Lyons, Rich Lambert, Ya-yu Lo, Ann McColl, and other colleagues are working on a book chapter about leadership practices for special and general educators.

44. Bob Algozzine, Ya-yu Lo, and Jennifer McGee are developing several manuscripts on school violence in North Carolina.

45. Jae Hoon Lim and Sandra Dika are exploring the role of social integration and engagement for academic achievement and attainment among engineering students.

46. Bob Algozzine, Kate Algozzine, and Chuang Wang are developing a manuscript on outcomes of comprehensive behavior and reading intervention in elementary school settings.

47. Bob Algozzine and Kate Algozzine are working with colleagues from the University of Oregon to develop an observation protocol for use by school-based decision-making teams.

48. Bob Algozzine, Kate Algozzine, and University of Oregon researchers are preparing manuscripts on the effectiveness of positive behavior support teams.

49. Mark D’Amico, Spencer Salas, and colleagues from Claremont Graduate University and the University of Arizona are collaborating on a study of career capital in the community college setting.

50. Mark D’Amico and Sandra Dika have had a manuscript accepted for publication dealing with the academic performance and retention of first-generation college students.

51. Meredith DiPietro is working with North Carolina Virtual Public School colleagues on an NSF grant to investigate best virtual school teaching practices.

52. Patti Wilkins and Richard Hartshorne are working with Bruce Taylor, Sam Eneman, and Drew Polly on a book chapter resulting from their work on the College of Education’s Teaching with Technology Professional Learning Community.

53. Mickey Dunaway, Do-Hong Kim, and Patti Wilkins have an article in press about creating virtual cooperative learning experiences for aspiring school leaders and practitioners with Web 2.0.

54. Richard Hartshorne, Tina Heafner, and Teresa Petty are examining the types and effectiveness of methods of observing graduate student interns remotely.

55. Jae Hoon Lim and Elaine O’Reilly are exploring the first-year college experiences of engineering students enrolled in a special experimental section.

56. Rebecca Shore, Paula Goolkasian, and Jenna Ray are examining alternative teaching strategies based on cognitive science principles.

57. Chuang Wang and Do-Hong Kim are working with students in China, South Korea, and Germany on a project to compare the self-efficacy beliefs, self-regulated learning strategies, and English Proficiency of college students in these countries.

58. Patsy Queen, Allen Queen, and Bobbie Cox are writing a textbook on classroom management, entitlements, and creative instruction of freshman students in community colleges and four-year colleges and universities.

59. Brenda McMahon and John Portelli are writing a book titled Engagement for equity: Beyond neoliberal agendas.

60. Allen Queen and Don Schumacher are restructuring a new instructional guide titled The IMPACT Childhood Obesity Handbook for Classroom Teachers.
61. Mark D’Amico, Sandra Dika, Bob Algozzine, and Elaine O’Reilly are exploring the social and academic integration of transfer students and students in STEM majors.

62. Colleen Burgess and Allen Queen have submitted a manuscript on the topic of prevention errors among nurses practicing in pediatrics.

63. Avery Mitchell, Jim Watson, and Allen Queen are analyzing perceptual differences between students and their teachers with respect to the value of homework in the middle grades.

64. Jim Helf, Allen Queen, and Jim Watson are analyzing perceptual differences between students and their teachers with respect to the value of homework in the elementary grades.

65. Mark D’Amico, Carlie Houchins, and colleagues in South Carolina are studying the enrollment patterns of non-credit community college students.

66. Allen Queen, Jim Watson, and Bob Algozzine are examining factors related to school violence.

67. Chung-Suk Cho, David Cottrell, Candy Mazze, and Sandra Dika are finishing up a journal manuscript on a study of the effects of self-guided module instruction on student performance and attitudes in construction materials engineering.

68. Sandra Dika is being assisted by Carlie Houchins and Makena Stewart on her Faculty Research Grant on a confirmatory factor analysis of the Spanish version of the National Survey of Student Engagement.

69. Mickey Dunaway, Richard Hartshorne, Tina Heafner, and Teresa Petty are working on a book chapter about teacher education programs and online learning tools.

70. Mickey Dunaway and Richard Hartshorne are examining technology’s negative demands on principals.

71. Lisa Driscoll and Jim Watson are investigating the elements of policy analysis in education finance.

72. Lisa Driscoll and Jim Watson have submitted a manuscript on tax policies for financing education in South Carolina public schools from 2006 to 2010.

73. Lisa Driscoll and Jim Watson are preparing a manuscript on the financial implications of not building new public schools in a poor economy.

Recently Completed Collaborative Research Efforts

1. Claudia Flowers and Lynn Ahlgrim-Delzell produced common measures reports for the RAISE Host grant to identify effective reading measures for students with reading difficulties in reading centers at UNC Charlotte, Southern Methodist University, and Georgia State University.

2. Lynn Ahlgrim-Delzell, Bruce Taylor, and Claudia Flowers researched the perceptions of the use of scripted literacy curriculum by teachers of students with significant cognitive disabilities.

3. Jim Bird, Mickey Dunaway, Delores Lee, Jim Lyons, and Claudia Flowers published a journal article investigating the relationship between the intensity of the principal internship experience and the level of learning that occurs.

4. The results of the research by Mickey Dunaway, Leigh Ausband, and Do-Hong Kim on how the organizational patterns of North Carolina school districts are chosen have been published.

5. Allen Queen and Bob Algozzine completed two classroom management books with guides for principals/trainers and are currently finalizing the supporting website.

6. Allen Queen, Bob Algozzine, and Jim Watson have completed a research article on the effectiveness of the RCM Discipline Plan.

7. Jim Bird, Chuang Wang, Jim Watson, and Louise Murray published a manuscript addressing relationships among principal authentic leadership, teacher trust, and engagement levels.

8. Keonya Booker, Jim Lyons, and Beverley Pringle published a journal article on high school African American students’ and teachers’ perceptions of teacher expectations in the classroom.

9. An article by Mickey Dunaway, Do-Hong Kim, and Renae Szad on the perceptions of Iredell-Statesville Schools’ teachers and administrators concerning the nature and value of individual growth plans has been published.

10. The study by Mickey Dunaway and Leigh Ausband on organizational patterns in selected North Carolina school districts has been published.


12. Meredith DiPietro and Richard Hartshorne developed a program for K-5 students that focused on science, technology, engineering, and mathematics competencies.

13. Meredith DiPietro and Richard Hartshorne implemented a week-long web and game design camp for middle school students from a local private school.


15. Jim Bird, Chuang Wang, and Louise Murray published a journal article related to school superintendents’ budget-building strategies.

17. Do-Hong Kim, Chuang Wang, and Kok-Mun Ng published a journal article about a Rasch rating scale modeling of the Schutte Self-Report Emotional Intelligence Scale.

18. Kok-Mun Ng, Chuang Wang, Do-Hong Kim, and Nancy Bodenhorn published a journal article regarding a factor structure analysis of the Schutte Self-Report Emotional Intelligence Scale.

19. Lynn Ahlgrim-Delzell, Josh Baker, and Barbara Agnello completed a study of the impact of the ELSB on students with autism.

20. Claudia Flowers, Lynn Ahlgrim-Delzell, Diane Browder, and Josh Baker completed a study of the predictors of literacy development for students with significant cognitive disabilities.

21. Jim Bird, Chuang Wang, and Jim Watson published a journal article about authentic leadership’s impact on teacher trust and engagement and student achievement.

22. Jim Bird, Chuang Wang, Jim Watson, and Louise Murray published a journal article about the relationship between the degree of concordance between principal authenticity and teacher levels of trust, engagement, and teacher retention.


25. Mickey Dunaway, Ann McColl, and Aimee Nichols published a journal article that examines how superintendents can use the law as safe ground when the law and community values conflict.

26. Mickey Dunaway, Do-Hong Kim, and Patti Wilkins presented a paper at a national conference regarding their assessment of the impact of Web 2.0 technologies on students’ teaching and learning in selected MSA courses.

27. Jim Watson and Jim Lyons have completed a study of supplement pay issues for principals, assistant principals, and teachers in North Carolina.


29. Allen Queen, Dottie Hayes, and Bob Algozzine have validated an instrument and new writing “toolkit” for principals and teachers that outlines types of disengaged learners.

30. Donald Schumacher and Allen Queen have published a journal article on the predictive value of BMI improvement in children regarding academic achievement, attitude, and absenteeism.

31. Allen Queen, Dottie Hayes, and Tom Fisher have published a book on instructional strategies and techniques for block scheduling.

32. Chuang Wang, Do Hong Kim, and Kok-Mun Ng published a journal article about factorial and item-level invariance of an emotional intelligence scale across groups of international students in America.

33. Chuang Wang and Bob Algozzine published an article about the relationship between reading and behavior in elementary schools.

34. Lisa Driscoll and Mark D’Amico published an article on policy related to undocumented student enrollment in higher education.

35. Spencer Salas and Mark D’Amico published an article on Generation 1.5 Latinos and issues related to course placement and remediation in community colleges.

36. Bob Algozzine, Vivian Correa, and Mark D’Amico received a U.S. Department of Education Office of Special Education Programs grant in partnership with Central Piedmont Community College to address paraprofessional preparation of early childhood teachers.