

## FACULTY RESEARCH INTERESTS DEPARTMENT OF TEACHING & LEARNING

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*updated Fall 2009*

* Peter Alter, Ph.D. Assistant Professor 852-0577 <a href="mailto:peter.alter@louisville.edu">peter.alter@louisville.edu</a>	<ul style="list-style-type: none"> <li>▪ Students with Learning Behavior Disorders</li> <li>▪ Classroom Management</li> <li>▪ Positive Behavior Support (PBS)</li> <li>▪ Functional Behavior Assessment</li> <li>▪ Single Subject Research</li> <li>▪ Early Childhood Special Education</li> </ul>
* Debra Bauder, Ed.D. Associate Professor 852-0564 <a href="mailto:debra.bauder@louisville.edu">debra.bauder@louisville.edu</a>	<ul style="list-style-type: none"> <li>▪ Assistive technology and transition</li> <li>▪ Web-based instruction</li> <li>▪ Learning and behavior disorders</li> <li>▪ Universal design for learning</li> <li>▪ Cognitive disabilities</li> <li>▪ Autism</li> <li>▪ Video-self modeling</li> <li>▪ Learning strategies</li> <li>▪ Augmentative communication</li> </ul>
* Jennifer Bay-Williams, Ph.D. Associate Professor 852-0561 <a href="mailto:jmbayw01@louisville.edu">jmbayw01@louisville.edu</a>	<ul style="list-style-type: none"> <li>▪ Mathematics Teaching Practice for English Language Learners</li> <li>▪ Teachers' use of standards-based mathematics curriculum</li> <li>▪ Mathematics Teacher Education</li> <li>▪ Teacher Professional Development</li> <li>▪ Use of Literature in Teaching Mathematics</li> </ul>
* Natalie Bolton, Ph.D. Assistant Professor 852-1462 <a href="mailto:Nabolt01@louisville.edu">Nabolt01@louisville.edu</a>	<ul style="list-style-type: none"> <li>▪ Civic education and civic engagement</li> <li>▪ Social studies education</li> <li>▪ Standards-based education</li> <li>▪ Large-scale assessments</li> <li>▪ Formative and summative classroom assessments</li> <li>▪ Curriculum design</li> </ul>
Trish Bronger, MA T Instructor 852-1419 <a href="mailto:tricia.bronger@louisville.edu">tricia.bronger@louisville.edu</a>	<ul style="list-style-type: none"> <li>▪ Curriculum Based Measurement</li> <li>▪ Curriculum Assessment</li> <li>▪ Instructional strategies (Literacy and Mathematics) with Learning and Behavior disorders, English Language Learners</li> <li>▪ Gifted and Talented</li> </ul>
* E. Todd Brown, Ph.D. Assistant Professor 852-8978 <a href="mailto:etbrown01@louisville.edu">etbrown01@louisville.edu</a>	<ul style="list-style-type: none"> <li>▪ Early childhood and elementary teacher efficacy and beliefs about mathematics</li> <li>▪ Teacher assessment &amp; professional development</li> <li>▪ Mathematics education with a focus on intervention</li> </ul>
* Sherri Brown, Ph.D. Associate Professor 852-0599 <a href="mailto:slbrown15@louisville.edu">slbrown15@louisville.edu</a>	<ul style="list-style-type: none"> <li>▪ Informal science education</li> <li>▪ Gender, social, and racial equity in the science classroom</li> <li>▪ Assessments of science teacher knowledge</li> <li>▪ Science education</li> </ul>

\* = eligible to serve as doctoral mentor by signing the "mentor/sponsor" form

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<p>* William S. Bush, Ed.D. Professor Director of Center for Research in Math and Science Teacher Dev. 852-0590 <a href="mailto:bill.bush@louisville.edu">bill.bush@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ Mathematics teachers' conceptions and beliefs, affect, and understanding of mathematics</li> <li>▪ Mathematics teacher education</li> <li>▪ Teacher professional development</li> <li>▪ Mathematics education in rural contexts</li> <li>▪ Mathematics assessment</li> <li>▪ Mathematics teacher assessment</li> </ul>
<p>Rachel Connolly Instructor Director of Planetarium 852-0586 <a href="mailto:rachel.connolly@louisville.edu">rachel.connolly@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ Science and technology education</li> <li>▪ Informal Education</li> <li>▪ Visualizations and simulations in instruction</li> <li>▪ Astronomy and space education</li> <li>▪ Early-childhood and family science learning</li> <li>▪ Technology in teacher professional development</li> </ul>
<p>* Ginevra R. Courtade, Ph.D. Assistant Professor 852-2144 <a href="mailto:g.courtade@louisville.edu">g.courtade@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ Behavior and academic interventions for students with moderate/severe disabilities</li> <li>▪ Inclusion of students with moderate/severe disabilities</li> <li>▪ Alternate assessments</li> <li>▪ Single Subject Research</li> </ul>
<p>* Monica E. Delano, Ph.D. Assistant Professor 852-2546 <a href="mailto:m.delano@louisville.edu">m.delano@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ Social and academic interventions for individuals with autism and moderate / severe disabilities</li> <li>▪ Video modeling</li> <li>▪ Social and academic supports for individuals with Asperger's syndrome</li> <li>▪ Single Subject Research</li> </ul>
<p>Betty Doyle, M.Ed. Instructor 852-3538 <a href="mailto:bsdoyl01@louisville.edu">bsdoyl01@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ Service learning</li> <li>▪ Working with students in field-based settings</li> </ul>
<p>* Nicole Fenty, Ph.D. Assistant Professor 852-2183 <a href="mailto:nsfent01@louisville.edu">nsfent01@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ Special education</li> <li>▪ Embedded social skills instruction in inclusive classrooms</li> <li>▪ Reading literacy and special education</li> </ul>
<p>Lohelen B. Hambrick, M.Ed. Instructor 852-3041 <a href="mailto:lohelen.hambrick@louisville.edu">lohelen.hambrick@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ Urban education</li> <li>▪ Diversity in teacher education</li> <li>▪ Closing the achievement gap</li> <li>▪ Minority teacher recruitment and retention</li> </ul>
<p>* Heejeong Sophia Han, Ph.D. Assistant Professor (502) 852-0580 <a href="mailto:sophia.han@louisville.edu">sophia.han@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ Early childhood education</li> <li>▪ Young children's social development</li> <li>▪ Early childhood teacher education</li> <li>▪ Professional development for early childhood teachers</li> <li>▪ Early childhood teachers' role in children's social development</li> <li>▪ Early childhood teachers' identity, beliefs, and multicultural competence</li> </ul>

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<p>* Penny Howell, Ed.D. Assistant Professor (502) 852-0598 <a href="mailto:penny.howell@louisville.edu">penny.howell@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ Middle Grades Education</li> <li>▪ Middle Grades Teacher Education</li> <li>▪ Teacher Education and Social Justice</li> <li>▪ Content Literacy</li> <li>▪ Language Arts Education</li> </ul>
<p>* Karen Karp, Ed.D. Professor 852-1654 <a href="mailto:karen.karp@louisville.edu">karen.karp@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ Mathematics teaching and learning for students with special needs</li> <li>▪ Integrating mathematics and children's literature</li> <li>▪ Gender equity and mathematics education</li> </ul>
<p>Sharon Kerrick, MBA Instructor 852-4683 <a href="mailto:sharon.kerrick@louisville.edu">sharon.kerrick@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ Economics Education</li> </ul>
<p>* Diane W. Kyle, Ed.D. Professor 852-0572 <a href="mailto:diane@louisville.edu">diane@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ Effective classroom instruction for diverse learners</li> <li>▪ Family engagement and instructional connections</li> <li>▪ Strategies for teaching English language learners in regular classrooms</li> </ul>
<p>* Ann Elizabeth Larson, Ph.D. Associate Professor Associate Dean for Assessment and Accountability 852-6044 <a href="mailto:aelar01@gwise.louisville.edu">aelar01@gwise.louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ Teacher education</li> <li>▪ English education</li> <li>▪ Curriculum, Curriculum Theory</li> <li>▪ Social and Moral Pedagogies</li> <li>▪ National Board for Professional Teaching Standards</li> <li>▪ Assessment and Accreditation in Educator Preparation</li> </ul>
<p>Jon Lee Instructor 852-0574 <a href="mailto:Jon.lee@louisville.edu">Jon.lee@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>• Early Childhood Development and Learning</li> <li>• Emergent Literacy Development</li> <li>• Family Literacy and Family Impact on Children's Literacy</li> <li>▪ Professional Development for Early Childhood Professionals</li> <li>▪ Community Initiatives in Early Childhood</li> </ul>
<p>* Amy Lingo, Ed.D. Assistant Professor 852-0563 <a href="mailto:asling01@louisville.edu">asling01@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ Positive behavior supports in school settings</li> <li>▪ Academic interventions for students with learning disabilities and behavior disorders</li> <li>▪ Relationships between challenging behaviors and academic achievement</li> <li>▪ Response to Intervention Models in Schools</li> </ul>
<p>* G. Richmond Mancil, Ph.D. Assistant Professor Executive Director of KY Autism Training Center 852-2629 <a href="mailto:rich.mancil@louisville.edu">rich.mancil@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ Individuals with Autism Spectrum Disorder</li> <li>▪ Social communicative behavior of individuals with ASD</li> <li>▪ Effective instruction of individuals with ASD</li> <li>▪ Technology in teacher training</li> <li>▪ Collaboration between families and teachers</li> <li>▪ Parent/ family supports</li> <li>▪ Single Subject Research</li> </ul>
<p>* Maggie McGatha, Ed.D. Assistant Professor 852-0584 <a href="mailto:maggie.mcgatha@louisville.edu">maggie.mcgatha@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ Mathematics coaching/mentoring</li> <li>▪ Mathematics education</li> <li>▪ Mathematics teacher professional development</li> <li>▪ Mathematics Teacher Assessment</li> <li>▪ Mathematics Assessment</li> </ul>

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<p>* Victoria Molfese, Ph.D. Ashland/Nystrand Chair and Professor Director of Interdisciplinary Early Childhood Research Center 852-0582 <a href="mailto:tori@louisville.edu">tori@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ Assessment of cognitive abilities, especially language mathematics abilities in preschool and early school-aged children</li> <li>▪ Risk assessment and child development</li> <li>▪ Factors effecting intelligence and achievement test performance in preschool and school-aged children</li> <li>▪ Home and school predictors of development</li> </ul>
<p>* Sheri Moore, Ed.D. Associate Professor 852-0562 <a href="mailto:Sheri.moore@louisville.edu">Sheri.moore@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ Special Education</li> <li>▪ Early Childhood Special Education</li> <li>▪ Pioneers in Special Education</li> <li>▪ College Success</li> <li>▪ Global Education</li> <li>▪ International Education</li> </ul>
<p>* Lori Norton-Meier, Ph.D. Associate Professor 852-1316 <a href="mailto:lori.nortonmeier@louisville.edu">lori.nortonmeier@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ Literacy education</li> <li>▪ Early childhood education and the role of play in a child's developing literacy</li> <li>▪ Family literacy practices</li> <li>▪ Inquiry curriculum</li> <li>▪ The intersection between science inquiry and literacy practices</li> <li>▪ Media literacy particularly related to gender</li> </ul>
<p>* Brenda J. Overturf, Ed.D. Literacy Specialist in Residence 852-3976 <a href="mailto:brenda.overturf@louisville.edu">brenda.overturf@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ K-12 literacy instruction</li> <li>▪ state and national literacy education policy</li> <li>▪ adolescent literacy concepts</li> <li>▪ research on literacy comprehension</li> </ul>
<p>* William M. Penrod, Ed.D. Assistant Professor 852-0557 <a href="mailto:wpenrod@louisville.edu">wpenrod@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ Orientation and mobility – electronic travel and navigational devices</li> <li>▪ Teacher preparation</li> <li>▪ Visual impairment</li> <li>▪ Spatial organizational skills for persons who are blind</li> </ul>
<p>* Susan Peters, Ph.D. Assistant Professor 852-0579 <a href="mailto:s.peters@louisville.edu">s.peters@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ Mathematics education</li> <li>▪ Mathematics teacher education, including preservice teacher preparation and professional development</li> <li>▪ Mathematics teacher knowledge</li> <li>▪ Statistics education</li> </ul>
<p>Teddy Phillipson-Mower, MA T Instructor 852-0791 <a href="mailto:t.phillipsonmower@louisville.edu">t.phillipsonmower@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ Environmental education</li> <li>▪ Personal epistemology and the effects of authentic research experiences</li> <li>▪ Controversial issues and decision making</li> </ul>
<p>* Robert Ronau, Ph.D. Professor 852-0593 <a href="mailto:bob@louisville.edu">bob@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ Web-based instruction</li> <li>▪ Mathematics teacher education</li> <li>▪ Instructional technology</li> <li>▪ Professional development schools</li> <li>▪ Teacher in-service</li> <li>▪ Gender variables in learning</li> <li>▪ Research administration</li> <li>▪ Research compliance</li> </ul>

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<p>* Gina D. Schack, Ph.D. Professor 852-0581 <a href="mailto:gina.schack@louisville.edu">gina.schack@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ Differentiation strategies to challenge and support students</li> <li>▪ Gifted/talented education; talent development</li> <li>▪ Teachers' knowledge, skill, &amp; dispositions to effectively teach diverse students</li> <li>▪ Curriculum, instruction, and assessment</li> <li>▪ Learning styles; Multiple intelligences</li> <li>▪ Alternative certification (teachers)</li> </ul>
<p>* Terry Scott, Ph.D. Professor 852-0576 <a href="mailto:t.scott@louisville.edu">t.scott@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ Special education</li> <li>▪ Positive behavior support</li> <li>▪ Function-based intervention</li> <li>▪ Functional behavior assessment</li> </ul>
<p>* Caroline Sheffield, Ph.D. Assistant Professor 852-0575 <a href="mailto:caroline.sheffield@louisville.edu">caroline.sheffield@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ Social studies education</li> <li>▪ Integrating 21<sup>st</sup> century literacy skills in the social studies</li> <li>▪ Social studies teachers' instructional use of technology</li> <li>▪ Middle grades social studies</li> <li>▪ Gifted education in the social studies</li> <li>▪ Integrating children's education in the social studies</li> </ul>
<p>Christine Sherretz, Ed.D. Instructor 852-2302 <a href="mailto:christine.sherretz@louisville.edu">christine.sherretz@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ Literacy education</li> <li>▪ Motivation and Reading</li> <li>▪ Reading Attitudes</li> <li>▪ Critical Thinking</li> <li>▪ Diagnostic Assessment of Reading</li> </ul>
<p>* Melissa Shirley, Ph.D. Assistant Professor 852-7384 <a href="mailto:melissa.shirley@louisville.edu">melissa.shirley@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ Science education</li> <li>▪ Formative assessment in science classes</li> <li>▪ Instructional Technology in science and mathematics classrooms</li> </ul>
<p>* Thomas Simmons, Ph.D. Associate Professor 852-0569 <a href="mailto:tsimmons@louisville.edu">tsimmons@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ Transition planning for secondary students with disabilities</li> <li>▪ Web-based instruction</li> <li>▪ Systems change in special education</li> <li>▪ Assistive technology</li> <li>▪ Universal design for learning</li> <li>▪ Cognitive disabilities</li> <li>▪ Autism</li> <li>▪ Learning strategies</li> </ul>
<p>* Samuel C. Stringfield, Ph.D. Professor 852-0615 <a href="mailto:sam.stringfield@louisville.edu">sam.stringfield@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ School improvement</li> <li>▪ School effects</li> <li>▪ Systemic effects</li> <li>▪ Educating at-risk students</li> <li>▪ Research Methods and Design</li> <li>▪ Career and Technical Education</li> </ul>

Faculty Research Interests, Department of Teaching and Learning

<p>Kirsten E Sundell, Ph.D. Instructor 852-0616 <a href="mailto:kirsten.sundell@louisville.edu">kirsten.sundell@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ College access &amp; preparation</li> <li>▪ GEAR UP</li> <li>▪ Comprehensive school reform</li> <li>▪ At-risk students</li> <li>▪ Data use</li> <li>▪ Career &amp; technical education</li> </ul>
<p>* Shelley Thomas, Ed.D. Assistant Professor 852-8090 <a href="mailto:shelley.thomas@louisville.edu">shelley.thomas@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ Social justice in teacher education</li> <li>▪ Impact of teaching for social justice on teachers and teacher candidates</li> <li>▪ Culturally responsive teaching in specific teacher education and teaching contexts, particularly across social studies content and instruction</li> </ul>
<p>* Thomas R. Tretter, Ed.D. Associate Professor 852-0595 <a href="mailto:tom.tretter@louisville.edu">tom.tretter@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ Middle and High School Science education</li> <li>▪ Physics education</li> <li>▪ Conceptions of scale and scaling in science</li> <li>▪ Organizing science instruction around unifying themes</li> <li>▪ Incorporating nanoscience and nanotechnology into middle and high school science classrooms</li> <li>▪ Assessments of science teacher knowledge</li> </ul>
<p>Jean Wolph, M.Ed. Instructor &amp; Director of Louisville Writing Project 852-4544 <a href="mailto:jean.hicks@louisville.edu">jean.hicks@louisville.edu</a></p>	<ul style="list-style-type: none"> <li>▪ Literacy development in at-risk schools</li> <li>▪ Reading and writing instruction in K-8</li> <li>▪ Content area literacy</li> <li>▪ Teacher leadership development</li> </ul>

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