

Faculty Research Interests for PhD. Website – STEM, 2015

<p>Jenny Bay-Williams Professor of Mathematics Education Office 285 in Porter Education Building 502-852-0590 jmbayw01@louisville.edu</p>	<ul style="list-style-type: none"> • Mathematics teaching practice for English language learners • Teachers' use of standards-based mathematics curriculum • Mathematics teacher education and professional development • Use of literature in teaching mathematics
<p>Sherri L. Brown Associate Professor of Science Education Office 275 in Porter Education Bldg. 502-852-0599 sherri.brown@louisville.edu</p>	<ul style="list-style-type: none"> • Elementary Science Education • Undergraduate Science Education • Informal/Non-Formal Science Education • Pre-service Elementary Teacher Science Content Knowledge
<p>Lateefah Id-Deen Assistant Professor of Mathematics Education Office 243 in Porter Education Bldg. 502-852-1654 laidde01@louisville.edu</p>	<ul style="list-style-type: none"> • Mathematics teaching and learning • Urban Education • Urban African American Students' Perspectives • Urban Mathematics Teacher Preparation • Equity and diversity in STEM education
<p>Sheron Mark Assistant Professor of Science Education Office xxx in Porter Education Building 502-852-xxxx smark01@louisville.edu</p>	<ul style="list-style-type: none"> • Culturally-Responsive Science Education • Identity Development in Science Communities • Non-Traditional Means of Science Participation • Supporting Active Participation of Underrepresented Science Communities
<p>Justin R. McFadden Assistant Professor of Science Education Office 236 in Porter Education Building 502-852-3976 Justin.mcfadden@louisville.edu</p>	<ul style="list-style-type: none"> • STEM-Integrated Curriculum Design/Development • Elementary Science, Classroom Discourse and Argumentation • Video-use in Teacher Professional Development • Coaching Science Teachers
<p>Maggie B. McGatha Associate Professor of Mathematics Education Office 285A in Porter Education Bldg. 502-852-0584 maggie.mcgatha@louisville.edu</p>	<ul style="list-style-type: none"> • Mathematics coaching/mentoring • Mathematics education • Mathematics teacher professional development • Mathematics teacher assessment

<p>Susan A. Peters Associate Professor of Mathematics Education Office 291 in Porter Education Bldg. 502-852-0579 s.peters@louisville.edu</p>	<ul style="list-style-type: none"> • Middle and high school mathematics education • Statistics education • Mathematics teacher knowledge • Mathematics teacher education
<p>Thomas R. Tretter Professor of Science Education Director Gheens Science Hall & Rauch Planetarium Director Center for Research in Mathematics & Science Teacher Development (CRIMSTED) Office 289 in Porter Education bldg. 502-852-0595 tom.tretter@louisville.edu</p>	<ul style="list-style-type: none"> • Middle and High School Science Education • Designing and Assessing Instruction for Next Generation Science Standards • Visualizations in Science Education • Science Teaching for EL • Undergraduate Engineering Education • Undergraduate Science Education