

## Effective teaching resources on PhysPort

How do people learn, and how can we help them learn more? Decades of research in physics education have produced evidence-based curricula and assessments as well as fundamental knowledge about student learning and identity development. The sheer quantity of this information makes it difficult for faculty to make sense of effective practices in teaching and assessment. PhysPort ([www.physport.org](http://www.physport.org)) is an online professional development portal for physics faculty which includes faculty-friendly information about research-based teaching and assessment. In this talk, I'll outline some of PhysPort's materials, research into student learning, and ongoing faculty development efforts to help faculty become more effective teachers and researchers.

### Bio:

Dr. Eleanor Sayre is an Associate Professor of Physics at Kansas State University and the Research Director of PhysPort.org. Dr. Sayre coordinates PhysPort's research strands: usability research into effective online professional development materials, fundamental research into student learning, synthesis research into best practices for research-based teaching, and research coordination with outside researchers. She has over 60 peer-reviewed publications in discipline-based education research. She has been a PI on over \$4M in NSF grants for education research, including her current \$2M funding to improve PhysPort resources through concentrated user research.

### Pictures:

<https://goo.gl/photos/7GhCF8tDX781kGQM8>