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Research-based resources on PhysPort

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PhysPort (<http://physport.org>) is a website that supports physics faculty in implementing research-based teaching practices in their classrooms. We provide expert recommendations and practical information about teaching methods and assessment. The PhysPort Data Explorer is an intuitive online tool for physics faculty to analyze their assessment data. Faculty upload their students' responses using our secure interface. The Data Explorer matches their pre/post data, scores it, compares it to national data, and graphs it in an interactive and intuitive manner. The Periscope collection on Physport brings together classroom video of students working groups with professional development materials for faculty, pre-service teachers, and learning assistants. To support PhysPort's development efforts, we conduct research on faculty needs around teaching and assessment, secondary analysis of published PER studies, and primary analysis of assessment data. In this talk, I'll introduce some of PhysPort's research-based resources and the research results which support them.