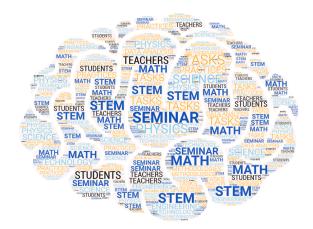
A PERSPECTIVE FROM PHYSICS EDUCATION

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Abstract:

Physics is a difficult subject for most students and probably in the near future will be removed from most curricula at high school level. There is a need for curricular "space" and the traditional physics topics (motion laws, conservation laws, electric current, etc.) seems like Old Latin for many policy makers and for the general public. In this talk I will discuss and illustrate how the physics curriculum can be changed taking into consideration the current state of the physical sciences, with interactions from computational thinking, art, engineering, and mathematics. Most of my discussion is based on the work of Jon Ogborn for the notable Advancing Physics project, in the UK.