

Abstract Submitted
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How we can increase enrollment in high school physics JANE JACKSON, Arizona State University — Physics is seen as a course only for the mathematically adept, in most high schools in Maricopa County. This is poor policy, because physics is the ideal course to reinforce skills students learn in math classes. Also it is inequitable, hindering most high school students from pursuing STEM-related careers. The AAPT goal is physics for ALL. Research shows that physics is the chief pathway to STEM-related careers. Our school strategy to increase physics enrollment is simple, requiring a reform-minded teacher, changing attitudes, and ensuring that physics students have 21st century equipment. Also, we will need more physics teachers, so we must financially support the ASU summer Modeling Instruction program, which has enabled many biology and chemistry teachers to retool successfully to physics. The American Physical Society recognized Modeling Instruction with the 2014 Excellence in Physics Education Award. See <https://physics.asu.edu/graduate/mns>

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