

Abstract Submitted  
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**Nobel Prize Material in the Introductory Physics lab Curriculum**<sup>1</sup> WATHIQ ABDUL-RAZZAQ, West Virginia University — Introductory physics lab provides a unique experience for students to learn physics kinesi-  
tically. Learning in this style may help students who do not learn as effectively  
from lectures, reading assignments, and written homework. Lab is also a stage for  
improving physical intuition which is invaluable to the aspiring scientist or critical  
thinker. Unfortunately, the benefits of physics lab are often insufficient to hold the  
attention of students in introductory physics courses. Well-designed Nobel-Prize-  
material experiments can help breed curiosity within the students by providing a  
useful context for students to learn about exciting science. A curious nature is  
extremely valuable toward engineering studies, medical studies, science studies or  
any other study. Nobel Prize material can be made digestible to an undergraduate  
student and this narrows the gap between science learned in college courses and  
science performed by professionals. Nobel Prize material is the best that a field of  
study has to offer, and learning about these novel ideas promotes a creativity and  
curiosity about science that traditional introductory physics lab curriculums cannot  
produce.

<sup>1</sup>Nobel Prize Material in the Introductory Physics lab Curriculum

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