

Abstract Submitted
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Light: A Spectrum of Utility, the 2014-2015 Society of Physics Students Science Outreach Catalyst Kit¹ MARK SELLERS, Rhodes College, KEARNS LOUIS-JEAN, Xavier University of Louisiana, SOCIETY OF PHYSICS STUDENTS COLLABORATION, NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY COLLABORATION — The Science Outreach Catalyst Kit (SOCK) is a set of activities and demonstrations designed to bolster the outreach programs of undergraduate Society of Physics Students (SPS) chapters, creating the framework for a lasting outreach program. Targeted for students ranging from kindergarten to high school, the SOCK allows students to actively engage in hands-on activities that teach them scientific skills and allow them to exercise their natural curiosity. The 2014-2015 SOCK united themes from the 2014 International Year of Crystallography and the 2015 International Year of Light to explore how light is used as a tool every day. This presentation will discuss the contents of the SOCK, which contains a large assortment of materials, such as diffraction glasses, polarizers, ultra-violet flashlights, etc. and describe the research and development of the activities. Each activity explores a different light phenomenon, such as diffraction, polarization, reflection, or fluorescence. These activities will promote critical thinking and analysis of data.

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