

Abstract Submitted
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Wonder Girls Camp: A Virtual Physics Camp for Middle School Girls in the Pandemic¹ KAYLA DICKERT, DAN FAUNI, GIANNA CALLIGY, KEERAN RAMANATHAN, ROBERTO RAMOS, University of the Sciences — h
—*abstract*—\pardThis year was the ninth year of The Physics Wonder Girls Camp. Due to conditions from the COVID-19 Pandemic, the camp had to be held virtually. We will explore our experience in planning, organizing, and execute this program. Our goal is to provide immersive experiences to diverse groups of middle school girls chosen for their high-performance academically in the Philadelphia-New Jersey area. The theme for 2021 was renewable energies and quantum physics. The campers are introduced to concepts like renewable energy and the basics of solar cells. They are also given opportunities to gain hands-on experience with building projects like solar cars and solar boats and perform optics experiments. To wrap up each cohort, the campers gave capstone presentations showing off what they learned and improving their presentation skills. The materials for projects and experiments were provided to the campers for free. The campers had the chance to interact with physics majors who worked as camp crew, successful women physics and engineers, and experience virtual tours that explored plants and manufacturing facilities.\pard\pard-/abstract-\

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