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Flinn Scientific and ITEEA Form Strategic Alliance to Increase Student Participation in Engineering Education

Students can learn new STEM concepts and practice their engineering skills using WhiteBox Learning and Engineering byDesign™

Batavia, Illinois, March 17, 2021 — Flinn Scientific, a flagship provider of science lab materials and safety and STEM solutions for the K-16 education market, has formed a strategic alliance with the International Technology and Engineering Educators Association (ITEEA) to support increased student participation in engineering education. Through the alliance, schools new to using ITEEA's [Engineering byDesign™](#) (EbD) and Flinn Scientific's [WhiteBox Learning](#) can purchase the bundled programs at an exclusive rate to be used by students as they learn new engineering and STEM concepts and compete in regional, state, and national competitions that test their engineering skills.

“Together, Engineering byDesign and WhiteBox Learning provide a dynamic way to engage students in the engineering design process, regardless if they are learning in person or remote,” said Michael Lavelle, CEO of Flinn Scientific. “Through our strategic alliance with ITEEA, we look forward to providing schools with an engaging and cost-effective way to grow students’ interest in STEM and engineering and offering educators with rich resources and PD to support their instruction.”

WhiteBox Learning is a web-based STEM learning system for middle and high school that brings real-world design to the classroom. Using the system, students can access, analyze, and save their designs anytime, anywhere, as well as collaborate with their peers on their

design choices. WhiteBox Learning addresses various learning styles and provides all students with an engaging way to gain exposure to engineering design and the STEM career cluster for Career and Technical Education.

All of WhiteBox Learning's standards-aligned applications provide students the opportunity to design and analyze a 3-D model, learn through simulations, and conduct countless design iterations before building the physical model to complete the learning experience. WhiteBox Learning's unique ability to allow for unlimited design iterations is a critical process in giving students a real-world experience.

WhiteBox Learning also aligns with [ITEEA's new Standards for Technological and Engineering Literacy \(STEL\)](#) and EbD, a comprehensive, K-12 solution for integrative STEM learning. Using constructivist and standards-based curriculum models, students participating in EbD learn concepts and principles in an authentic problem- and project-based environment. The program incorporates all four STEM content areas, as well as English Language Arts, to help students understand important concepts.

"ITEEA and our STEM Center for Teaching and Learning are proud to be working with Flinn Scientific," said Steve Barbato, executive director of ITEEA. "There are tremendous benefits to be gained from the strong correlation and alignment of the WhiteBox Learning system to the STEL, and we respect the high quality of work and integrity that Flinn Scientific and Whitebox Learning bring to our profession and how they support our Engineering byDesign curriculum. WhiteBox Learning's standards-based STEM learning approach to technology and engineering, as well as to supporting science education classrooms, will go a long way in enabling teachers to meet the needs of all students."

To learn more about WhiteBox Learning and the Flinn Scientific and ITEEA strategic alliance, visit <https://www.flinnsci.com/iteea>.

About Flinn Scientific

Flinn Scientific supports STEM/STEAM educators in opening young minds to the challenges and joys of scientific discovery and the design thinking process. The leader in science education and lab supplies and safety, Flinn Scientific also provides learning systems and professional development that incorporate differentiated digital experiences with hands-on learning grounded in the real-world to help all students think critically,

explore like scientists and engineers, and solve problems creatively so they are ready for college and careers in an increasingly technology-driven world.

About ITEEA

ITEEA (www.iteea.org) is the professional organization for technology, innovation, design, and engineering educators. Its mission is to promote technological and engineering literacy for all by supporting the teaching of technology and promoting the professionalism of those engaged in these pursuits. ITEEA strengthens the profession through leadership, professional development, membership services, publications, and classroom activities.

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