

Empower Students to Work **LIKE REAL ENGINEERS**

WhiteBox Learning is a web-based standards-aligned STEM learning system for grades 6-12 that brings real-world design to the classroom. With twelve applications using **CAD-inspired** engineering software, students design and analyze a 3D model, learning through simulations and **unlimited design iterations**. They then build the physical model to complete the learning experience.

WhiteBox Learning and ITEEA's Engineering By Design

Through its partnership with ITEEA, WhiteBox Learning provides virtual engineering experiences that can be used with ITEEA's Engineering by Design (EbD™). The partnership is designed to provide students an extraordinary STEM learning experience that advances their understanding of technology and engineering, develops their college and career readiness and leadership skills and encourages them to pursue STEM careers.

Powerful Analytical Tools for Teachers

The Teacher Control Center (TCC) provides management and monitoring tools to set up classes, assign applications, and adjust content based on student need. The TCC tracks metrics that include time on task, quiz and worksheet scores, and overall class and student progress and performance.

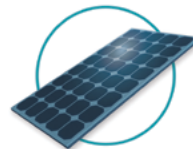


FLINN LOVE ❤️

WhiteBox Learning is an excellent resource for teaching the engineering design process! I like the program's systematic approach to design and the way students can change their virtual designs unlimited times while testing. It does a great job showing technology and engineering students the connection to science and math.

Dr. Tricia S. Jacobs, Coordinator, Career and Technical Education,
Alexandria City Public Schools, VA

Explore Our 12 STEM Applications:



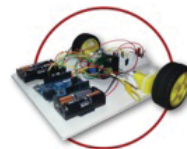
SOLAR 2.0



KIDWIND 2.0



SURVIVAL SHELTER 2.0



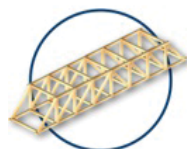
ROVER 2.0



GLIDERS 2.0



DRAGSTER 2.0



STRUCTURES 2.0



GREEN CAR 2.0



ROCKETS 2.0



MOUSETRAP CAR 2.0



PROSTHETICS 2.0



DRONE

SPECIAL OFFER

Introductory Offer for ITEEA EbD™

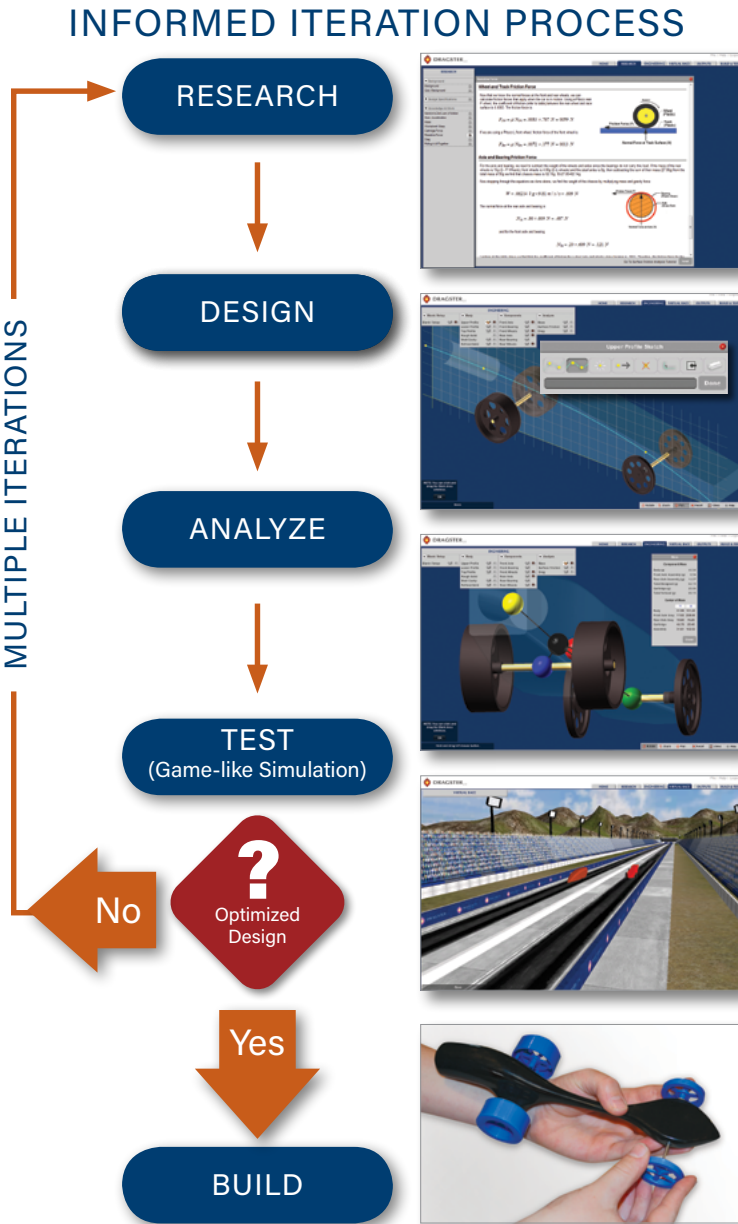
- Single Application Building License (unlimited teachers & students) \$975/year.
- 12-Pak Building License - Single Teacher & Unlimited Student Access \$3995/year
- 12-Pak Building License - Unlimited Teacher & Student Access \$5295 / year - includes a \$500 Kits & Consumables Credit.

Mention quote #233149 when placing your order.



How it Works

Integrating 3D design and analysis tools, game-like simulation, and all the custom plans and materials necessary to build a physical model, WhiteBox Learning promotes critical and higher order thinking. Students are empowered with the tools and information necessary to ask and answer their own questions about their designs in a unique and effective cycle called “informed iteration.” A familiar interface guides students through the phases of engineering design and scientific inquiry:



Research—Study the principles of engineering design and problem solving, theory-based content, quizzes, worksheets, and tutorials.

Design—Engage in virtual design through teacher-assigned design specifications, background, rules of the challenge and knowledge at work.

Analyze—Students focus on the task at hand and increase their knowledge in STEM through a unique online design tool.

Test—Analysis through game-like simulation is used for classroom or districtwide competition.

Build—Students construct physical models from the results of their data about the optimized virtual design.

INTRODUCING WhiteBox Nationals

WhiteBox Nationals is a competition students encounter during the test phase where they move through five increasingly challenging levels as they test their 3-D model designs. To move up in level, students must meet or exceed required level scores based on quiz and worksheet results, number of design iterations, and design performance. WhiteBox Nationals has proven to be a motivator for students to research and learn the science and math behind optimizing their designs to improve their chances in the competition. Students compete across school, district, and state, nationally and globally.



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SCIENTIFIC**
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www.whiteboxlearning.com



**Get custom proposal
with ITEEA
special pricing**

Our account representatives are ready to answer your questions and provide a custom proposal.
Email customercare@flinnsci.com or call us at 800-452-1261
Mention quote #233149 when placing your order.



Talk to an Expert

Have a question on how to implement WhiteBox Learning? Our scientists are available to help! Call **800-452-1261** to set up a 1-on-1 training session.