

Accelerate Learning Releases STEMscopes DIVE-in Engineering Curriculum to Help Teachers in Grades 3–8 Teach Engineering Design in an Authentic Makerspace

Created in partnership with the New York Hall of Science, the hands-on engineering curriculum provides students with inquiry-based experiences that encourage exploration and inspire ingenuity

HOUSTON – Dec. 6, 2017 – While the Next Generation Science Standards (NGSS) integrate engineering into every grade level, few elementary and middle school teachers have backgrounds or expertise in engineering. To provide teachers in grades 3–8 with the curriculum and materials they need to teach engineering design in an authentic makerspace, [Accelerate Learning](#) today announces the release of [STEMscopes™ DIVE-in Engineering](#).

Developed in partnership with the [New York Hall of Science](#) (NYSCI), STEMscopes DIVE-in Engineering is an online, comprehensive, and kit-based engineering curriculum that encourages students to do what real-world engineers do: Deconstruct, Innovate, Vary, and Explore. Using the DIVE method, students take apart and examine a working prototype (Deconstruct); reverse engineer and make their own version (Imitate); analyze what they created and brainstorm ways to make it different (Vary); and solve the original problem in a new way or apply their solution to a new problem (Explore).

Available in bundles for grades 3–5 and 6–8, STEMscopes DIVE-in Engineering contains all the materials students need to become creative makerspace engineers and build projects such as a hovercraft, robot arm, or telescope. Within each bundle, students can explore nine different engineering solutions across three units: On the Move, Around the House, and Eyes, Ears, and Hands. STEMscopes DIVE-in Engineering also offers teacher resources, including guides with step-by-step instructions, rubrics, and teacher toolkits.

“The best way to teach engineering is with hands-on, inquiry-based educational experiences,” said Dr. Vernon Johnson, president and CEO of Accelerate Learning. “By giving students opportunities to do what real-world engineers do every day, teachers can get students engaged in engineering and design, and inspire them to pursue careers in engineering fields.”

“We’re excited that schools around the country will be using the engineering curriculum that results from our partnership with Accelerate Learning,” said Margaret Honey, president and CEO of NYSCI. “The program emphasizes hands-on exploration and personal relevance to get young students engaged in engineering and passionate about inventing the future.”

STEMscopes DIVE-in Engineering is part of Accelerate Learning’s award-winning [STEMscopes PreK-12](#) product suite, which is built from the ground up to address the [NGSS](#) and today’s state standards.

For more information, visit <http://stemscopes.com> or call toll-free 800-531-0864.

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