Smithsonian
Science Education Center

REAL-LIFE SKILLS

Inquiry-Based Science Prepares Students for the 21st Century Workforce

In the five-year LASER* i3 research study, grades 1–8 students learning through inquiry-based science education demonstrated real-life skills needed for the workforce more often than the comparison group.

Real-Life Skills

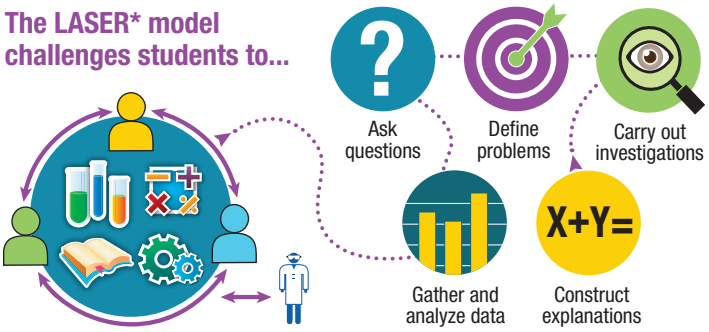
More instances of collaborative, student-driven, and hands-on learning

Gathered and recorded evidence more frequently

Worked as teams to explore questions and solve problems more often

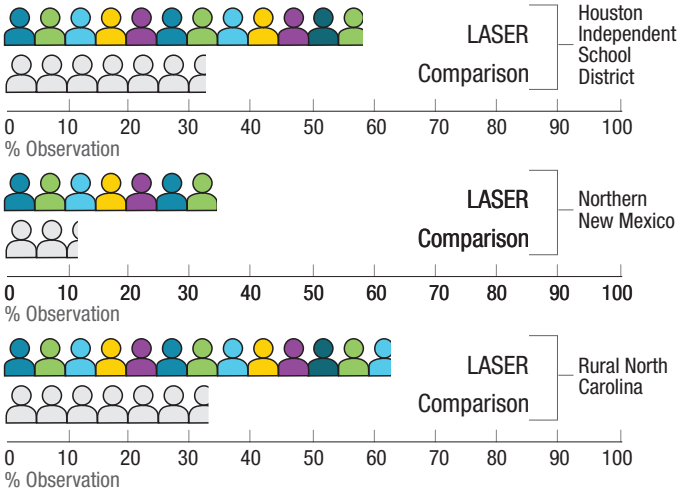
High student engagement and enthusiasm

The LASER* model challenges students to...

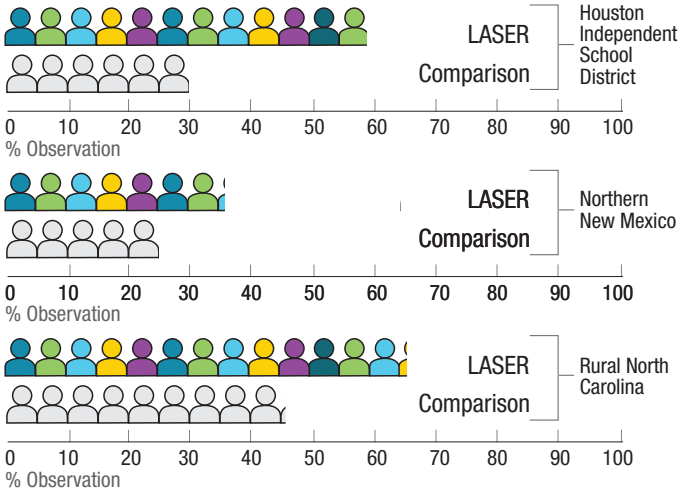


* The Leadership and Assistance for Science Education Reform model developed by the Smithsonian Science Education Center

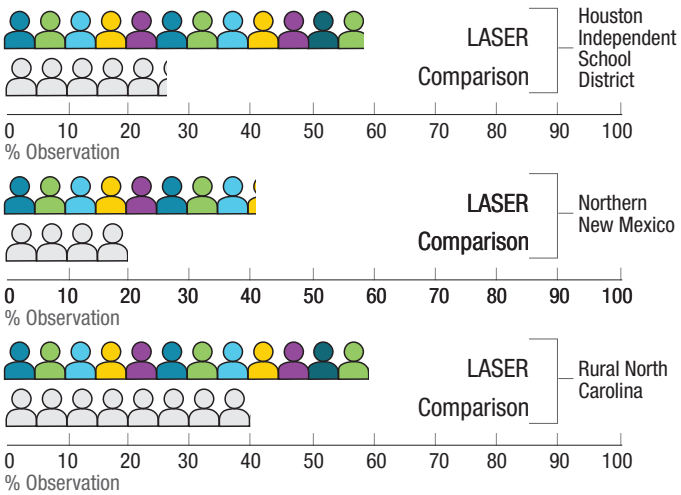
Collaborative Learning



Student-Driven Learning



Experiential Hands-On Learning



Get the Details

Download the LASER i3 Executive Summary:
www.carolina.com/stc/laser

Learn more about Smithsonian science curriculum programs:
www.carolina.com/stc

Get started with the Smithsonian Science Education Center's LASER program: www.scienceeducation.si.edu

Source: Smithsonian Science Education Center. (2015). The LASER Model: A Systemic and Sustainable Approach for Achieving High Standards in Science Education. Executive Summary. Washington, DC: Smithsonian Institution.

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