


SCIENCE



IN 21ST CENTURY CLASSROOMS

For years, research has linked achievement in STEM programs to visual spatial literacy. With *Gale Interactive: Science*, students build confidence to explore science from every angle. By incorporating technology, visualization, and interactivity students go beyond static text and achieve the ultimate outcome—discovery.

A GROWING DEMAND

THERE ARE
26 MILLION
STEM JOBS IN THE U.S.



REPRESENTING
20% OF ALL
U.S. JOBS¹



¹ <https://www.brookings.edu/research/the-hidden-stem-economy/>

STUDENT PERFORMANCE IS SUFFERING

68% of U.S. 8th graders are not proficient in science when they complete 8th grade²

² <https://www.nsf.gov/nsb/sei/edTool/data/middle-03.html>

38% said STEM was too challenging³

34% said they don't know much about STEM³

28% said they are not well prepared for further STEM education³

³ <https://elearninginfographics.com/importance-stem-k12-education-infographic/>



WHY?

HOW STUDENTS RECEIVE INFORMATION IMPACTS ENGAGEMENT & RETENTION

90% of information that comes to the brain is **VISUAL**⁴



65% of the population are **VISUAL LEARNERS**⁴

HOWEVER, 80% OF INSTRUCTION IS DELIVERED ORALLY⁴

⁴ <http://visualteachingalliance.com/>

93% of K-12 parents believe STEM education should be a priority⁵



49% Yet, less than half believe the U.S. actually prioritizes STEM education⁵

IT'S TIME TO INVEST IN STEM



Only 1 in 5 college students in a STEM program believe K-12 education adequately prepared them for their college coursework⁶

⁵ <https://news.microsoft.com/download/archived/presskits/citizenship/docs/STEMPerceptionsReport.pdf>

⁶ <https://www.usnews.com/education/blogs/high-school-notes/2011/09/28/survey-stem-engagement-begins-early>

INTEGRATING 3D TECHNOLOGY

Interactives Powered By: 

3D TECHNOLOGY IN CLASSROOM INSTRUCTION HAS LED TO:

- Improved Comprehension⁷
- Better Test Scores⁷
- Increased Engagement⁷
- Highly Satisfied Students⁷

⁷ <https://www.3dvisworld.com/features/feature-articles/2660-the-value-of-3d-to-education-and-learning.html>



BRING THE LAB TO YOUR CLASSROOM

Student success in STEM begins with a strong foundation. Learn how *Gale Interactive: Science* can help at gale.com/scienceclass.