HUMAN ANATOMY IN 21ST CENTURY CLASSROOMS

Technology that incorporates visualization and interactive tools are essential in teaching modern human anatomy courses. Research has linked success in STEM courses to using visualization tools that strengthen spatial literacy. By unifying learning strategies and state-of-the-art technology, *Gale Interactive: Human Anatomy* helps boost student engagement, comprehension, and retention of complex science concepts.

A GROWING DEMAND

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

REPRESENTING **20% OF ALL U.S. JOBS**[1]

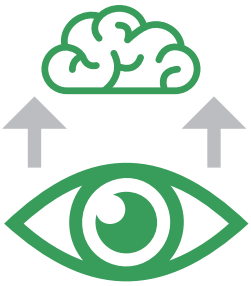
STUDENT ATTRITION

Fewer than **40%** of students who enter college majoring in a STEM field earn a STEM degree.[2]

WHY?

- TOO COMPETITIVE
- DISCONNECT WITH FACULTY
- CLASSROOM STRUCTURE[3]

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 ORALLY[4]

THE EFFECTS OF COMPUTER-ASSISTED INSTRUCTION IN TEACHING HUMAN ANATOMY

35% INCREASE IN SPATIAL REASONING[5]

33% INCREASE IN RETENTION[5]

COMMON LEARNING OBJECTIVES FOR ANATOMY AND PHYSIOLOGY COURSES ARE:

- The ability to acquire a large and complex technical vocabulary
- Developing ability to interpret and understand three-dimensional relationships within the human body[5]

INTEGRATING 3D TECHNOLOGY

Interactives Powered By: VIVED

3D TECHNOLOGY IN CLASSROOM INSTRUCTION HAS LED TO:

- Improved Comprehension
- Increased Engagement
- Better Test Scores
- Highly Satisfied Students

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