

Teaching, Training and Research with JoVE!

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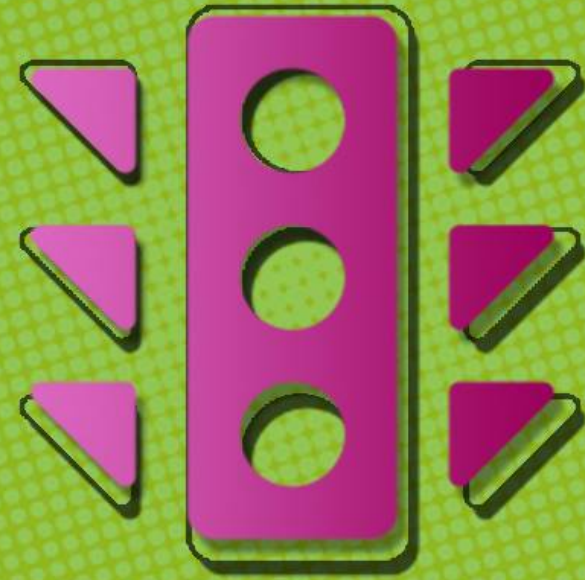
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Warming up!

आवक जावक सूचक झंडा



TRAFFIC SIGNAL



लोह पथ गामिनी



—लोह पथगामिनी—

MIX

Phosphorous Beans.

Instructions:

1. Cut up one Sopotophorus bean.

Pour in 250 fl.oz. of water and add 500. of
beaker. Set the beaker aside after
be very careful not to shake
ve the

Crush with 1/2
released

CLIP



JoVE Visualizing Science to Improve Student's Learning Outcomes!

Reading

VS

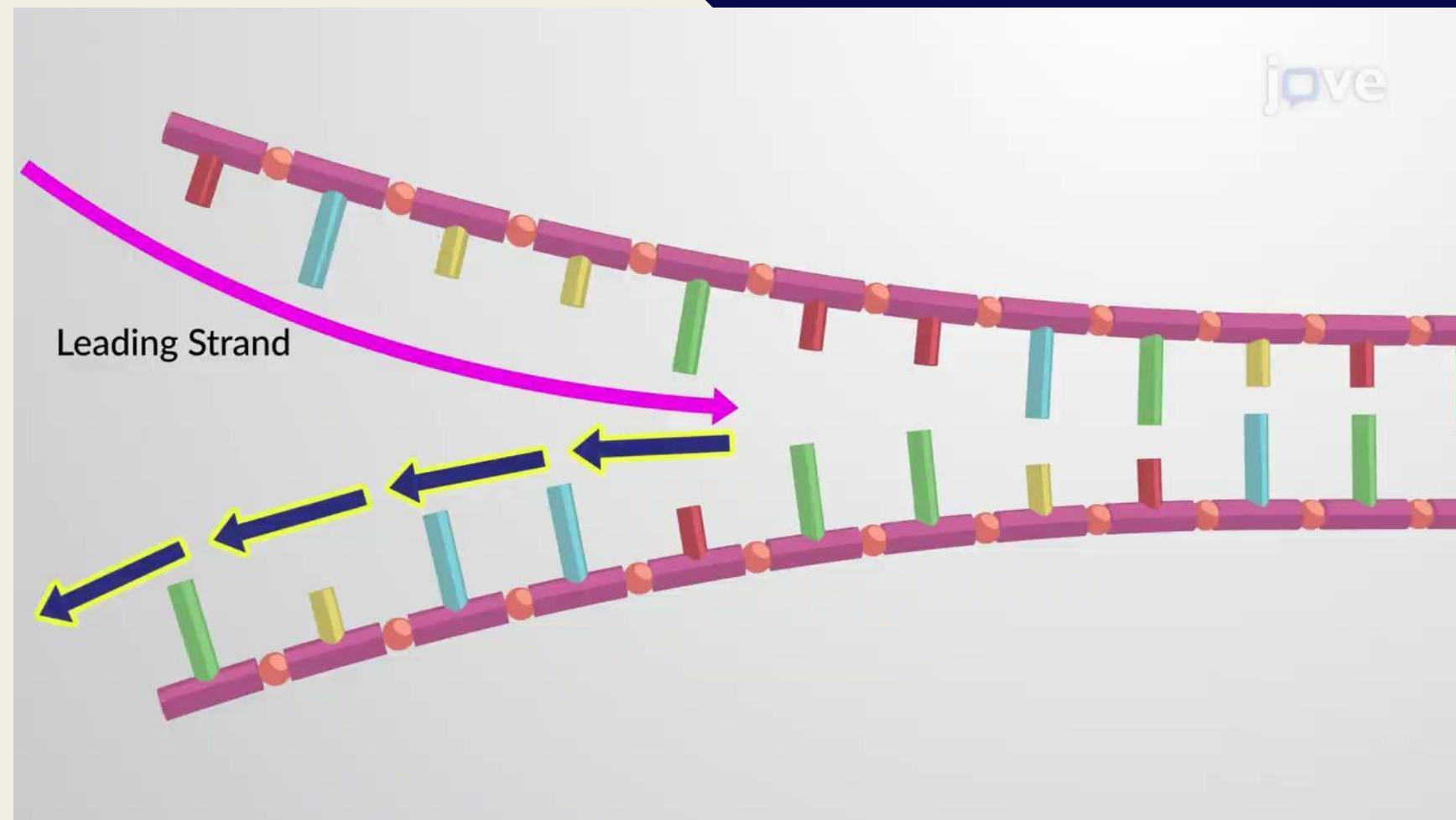
Visualizing

TEXT ARTICLE

"This daughter strand is known as the lagging strand. DNA polymerase can only synthesize DNA in the 5' to 3' direction. Because of this, the leading strand is synthesized continuously.

However, DNA polymerase cannot synthesize DNA in a 3' to 5' direction on the lagging strand. To deal with this problem, DNA synthesis is carried out discontinuously in a 5' to 3' direction."

JoVE VIDEO



ABOUT JoVE

JoVE is the world-leading producer and provider of science videos with the mission to improve scientific research and education.

- 18,000+ Videos on Science Experiments and Concepts
- Engaging Animations and Real time Videographs of Scientist bringing concepts to life.
- 1200+ subscribing institutions



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What Problems JoVE Solves

RESEARCH

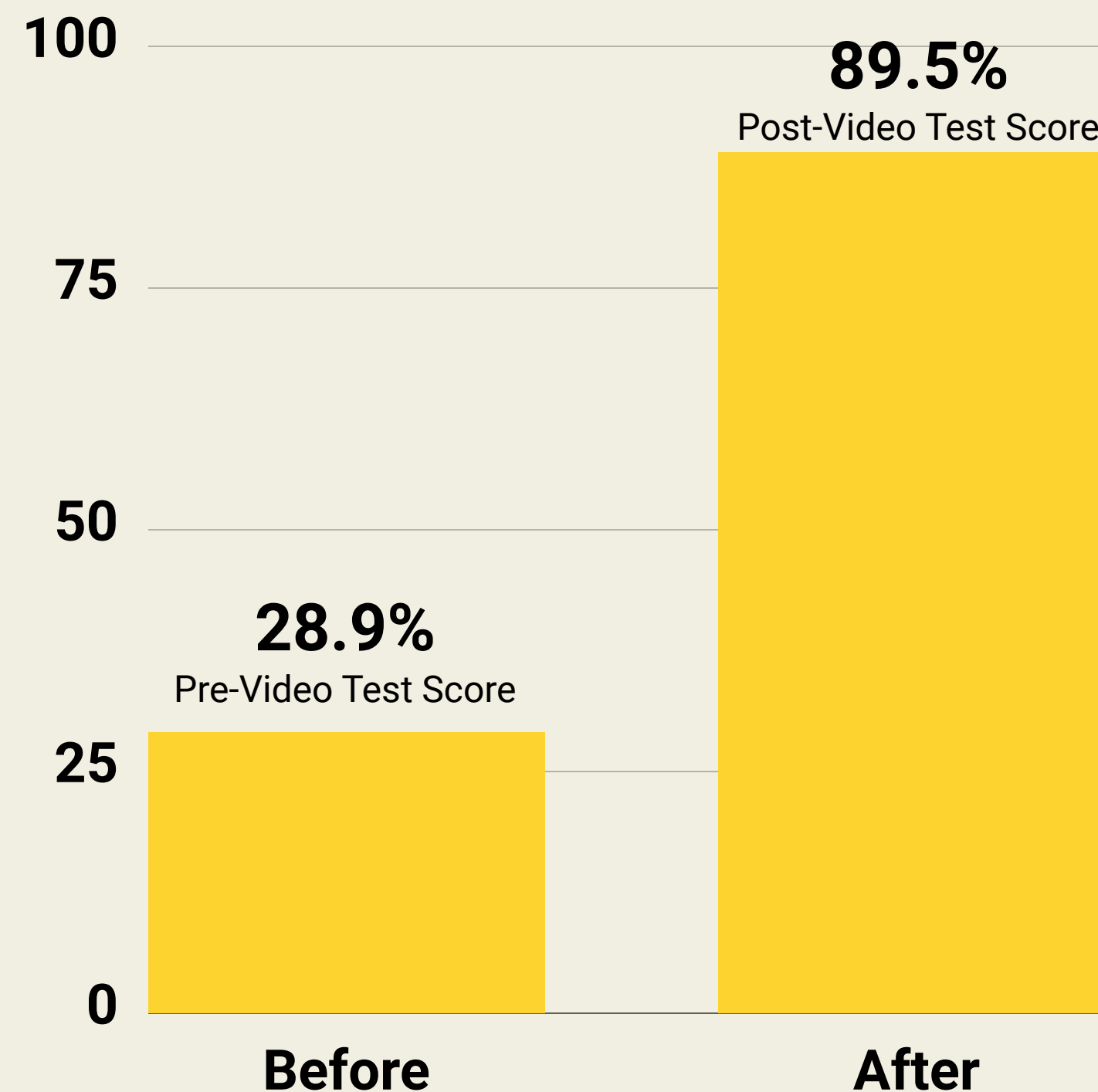
- High Cost and Time to Learn Research Methods (Reproducibility)
- Limited Funding Spent to Train and Learn Methods
- Loss of Knowledge Due to Staff Turnover

EDUCATION

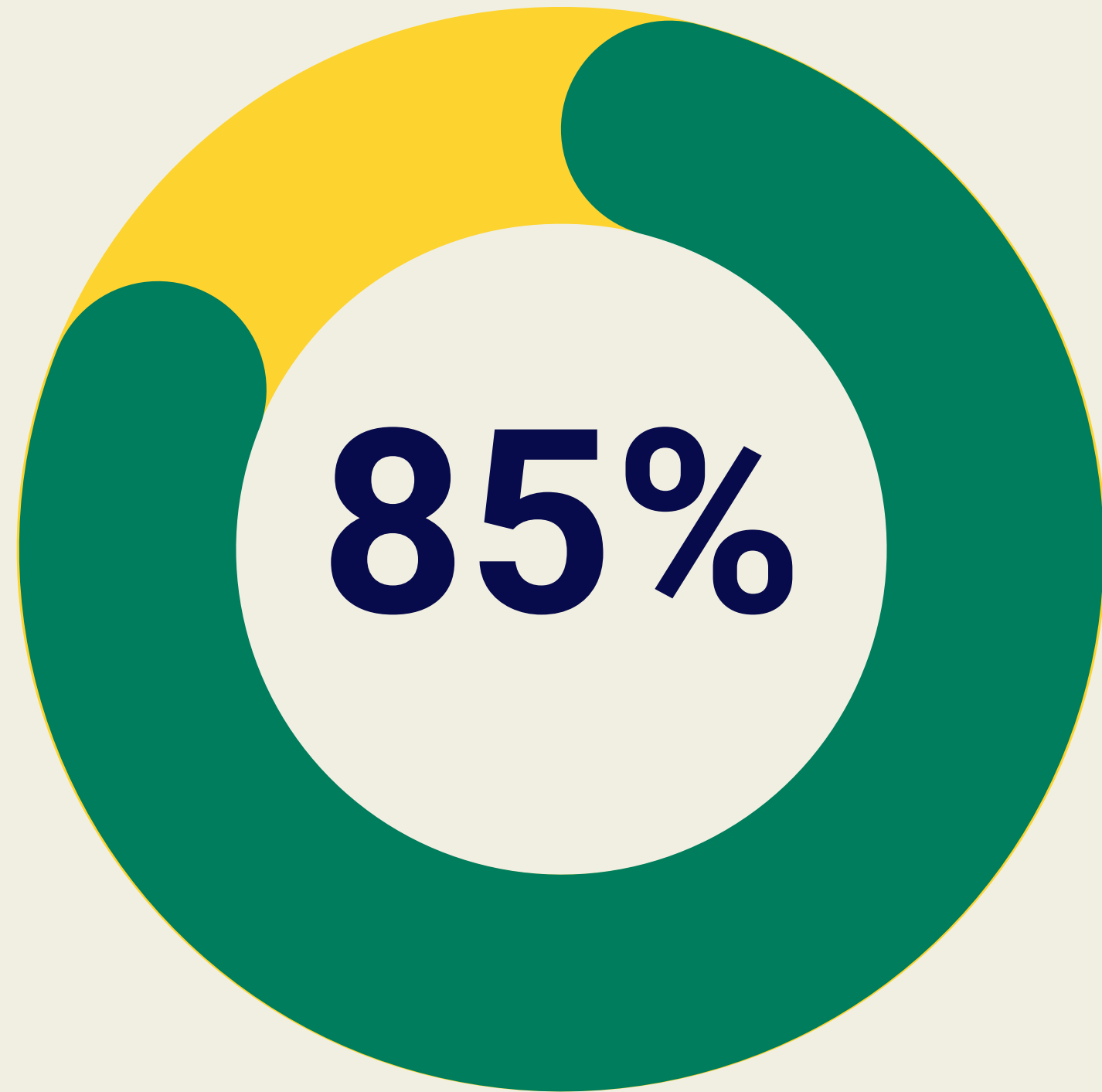
- Lack of Student Engagement
- Students Not Comprehending Complex Concepts
- Low Student Retention in STEM Majors
- Poor Test Scores-Flipped Learning
- Time it Takes Preparing Course Materials

JoVE Videos Have Huge Impact

JoVE videos were seen to have a significant positive impact on students' learning and test performance: average **test scores increased from 29% to 89% in an independent study at UCLA.**



Source: [UCLA Case Study](#), Ramachandran et al., J. Chemical Education 2021



Improve student engagement and learning outcomes

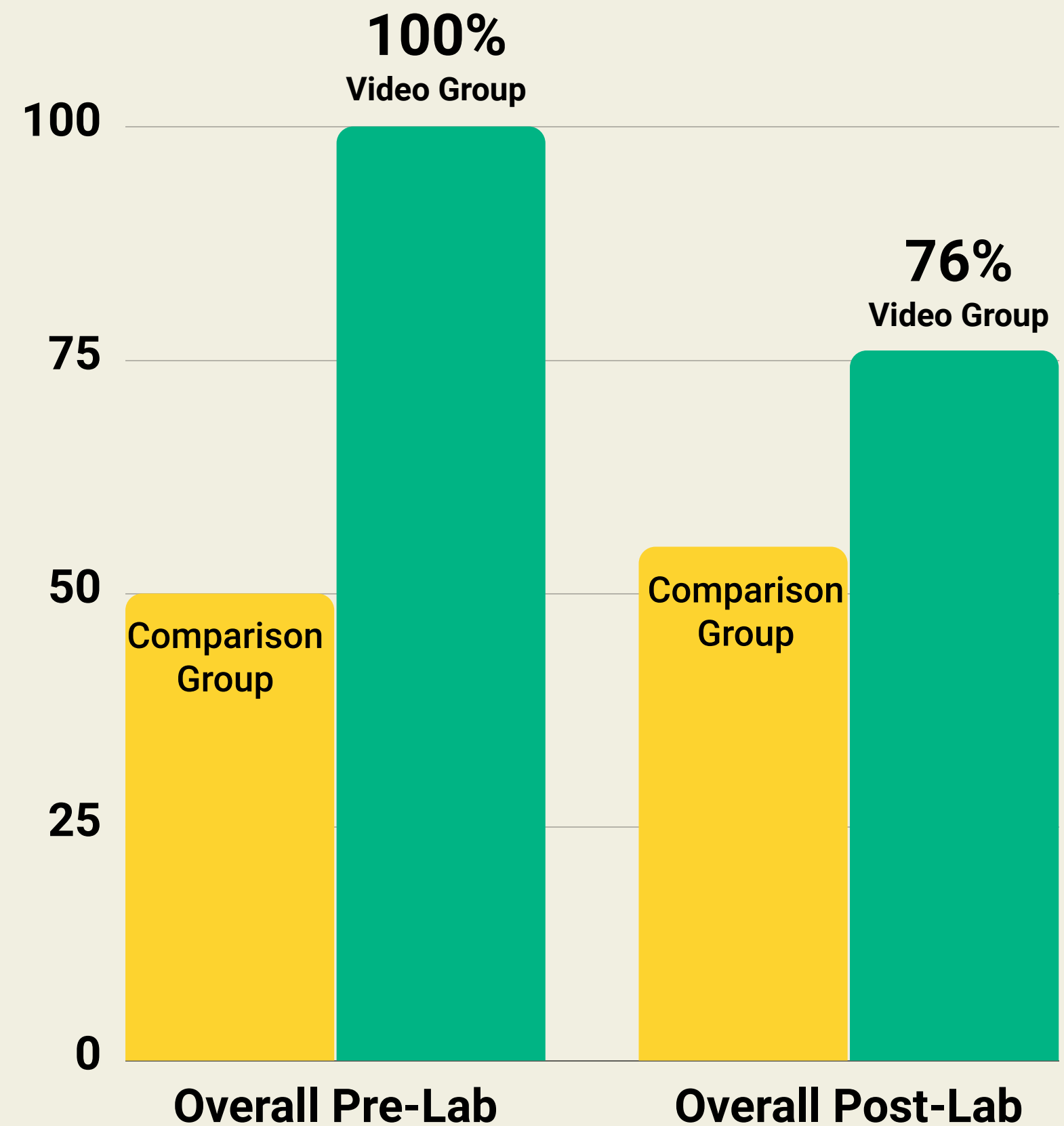
Over 85% of students at St. John's University preferred JoVE Core to traditional textbooks, as it boosts engagement, improving retention in courses and programs.

Source: [St. John's University Case Study](#)

Better Performance!

Students who watched a JoVE video performed up to **100% better on pre-lab and post-lab assessments** compared to students who only read the lab handouts.

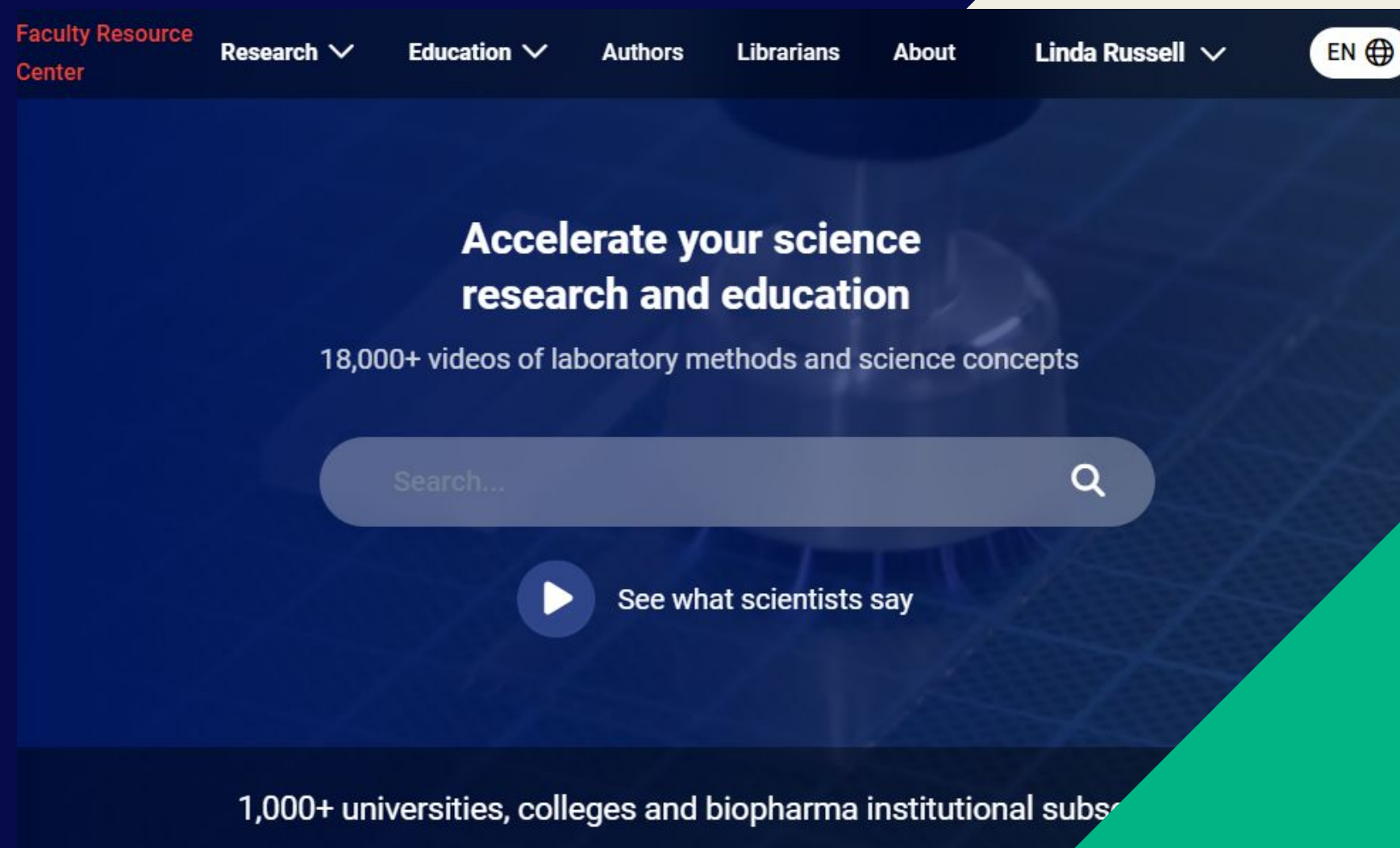
Source: [Clemson DeSales Case Study](#)



Hands on Deck!

Let's dive into the JoVE website. www.jove.com

- Faculty Resource Center
- Playlists
- Embedding JoVE into your LMS
- JoVE Quizzes
- Textbook Mapping



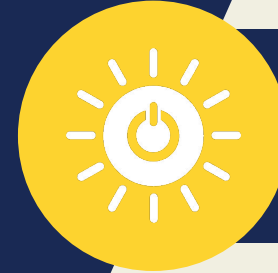
NEXT STEPS



SCAN ME



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COURSE LMS



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