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Interdisciplinary STEM Teaching & Learning  
Conference (2012-2019)

2013 Interdisciplinary STEM Conference (March  
8, 2013)

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Mar 8th, 9:30 AM - 10:15 AM

### Changing Their Idea of “Studying ” into Our Idea of “Learning ” - The Efficacy of Interactive Online Programs

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# **Changing Their Idea of “Studying” into Our Idea of “Learning”**

## **The Efficacy of Interactive Online Programs**



**Leslie S. Jones**

**Department of Biology**

**Eric Weber**

**McGraw Hill Higher Education**





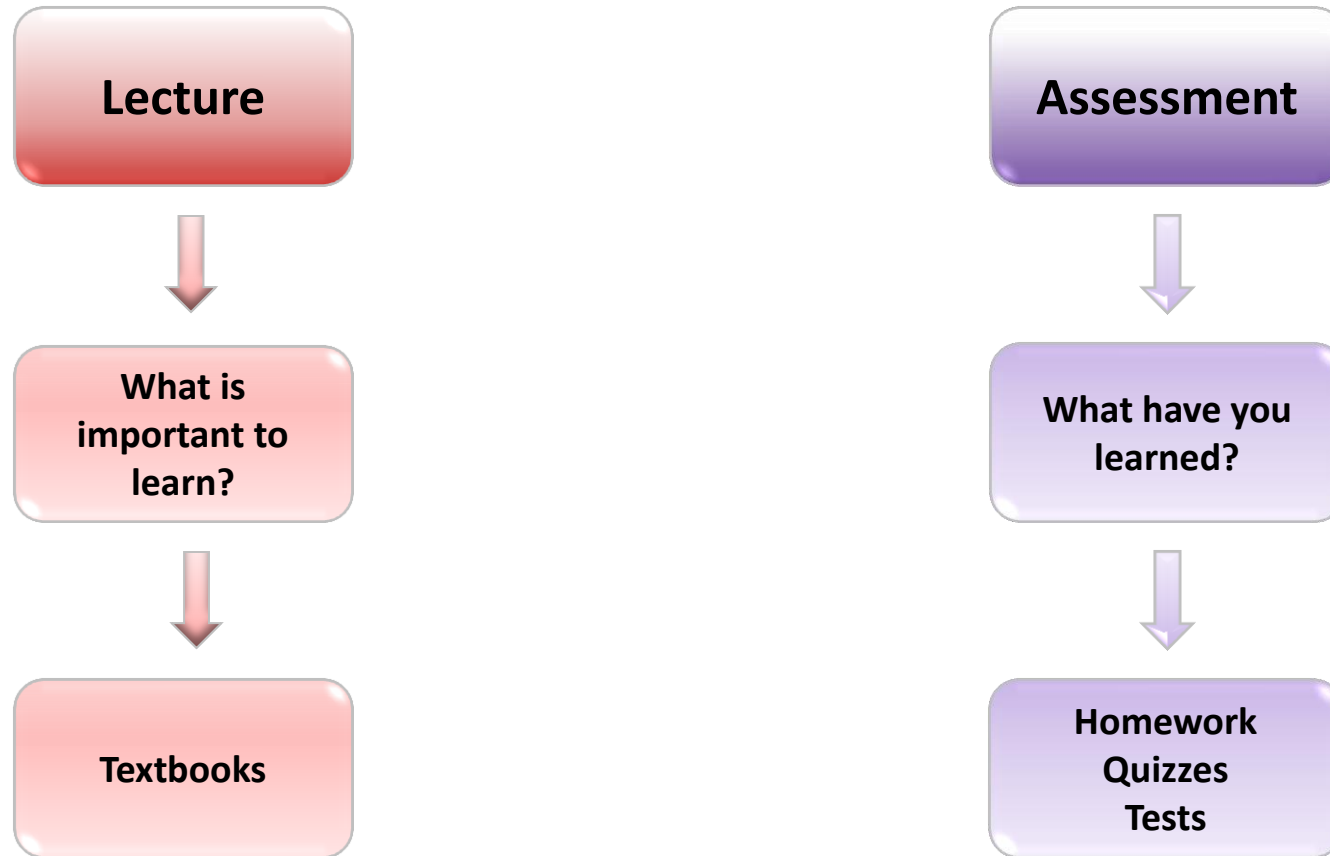




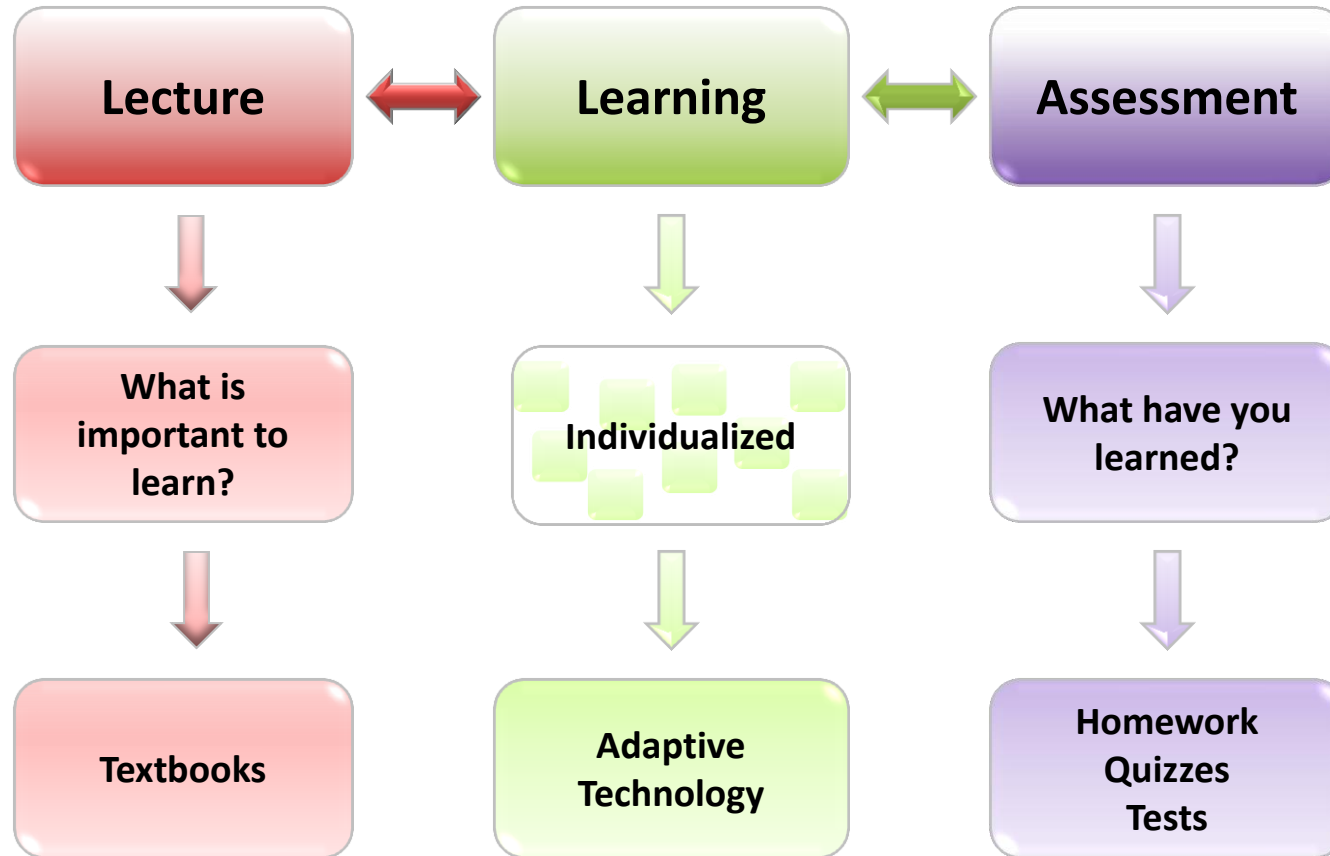




# So What's Missing?



# The Learning Space







MIRACLES  
HAPPEN





A black umbrella is shown from a top-down perspective, fully open. The text is printed in white on the black fabric. The main title 'Active Learning' is at the top. Below it, the phrase 'Students Are Responsible for Learning' is written in a curved path following the shape of the umbrella's canopy. The handle of the umbrella is visible at the bottom.

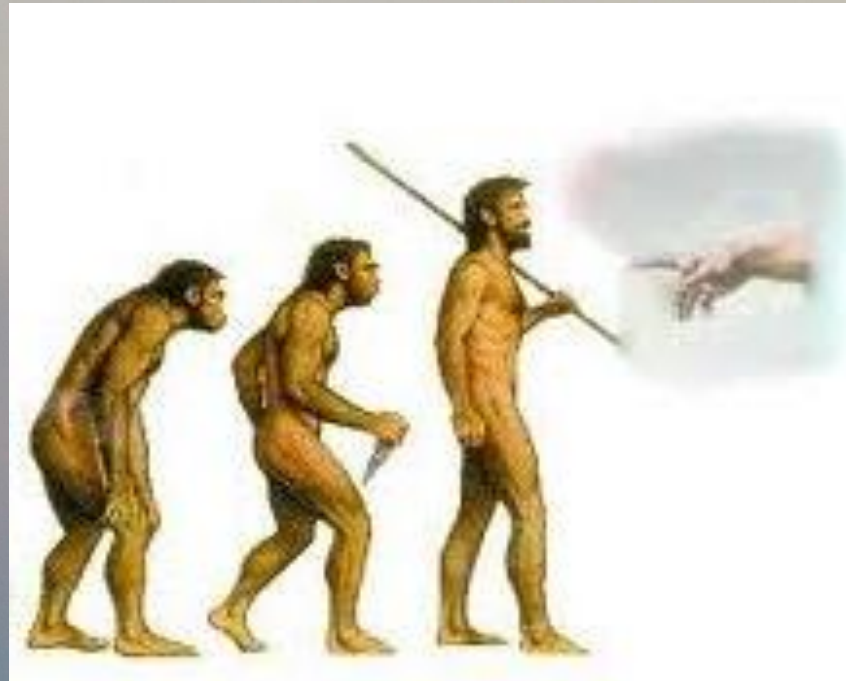
# Active Learning

*Students* Are Responsible for *Learning*



**The Evolution of...**

# **Science Teaching**















ΟΚΡΑΤΟΡΑΝ  
ΟΥΤΕΝΑΝΟ  
ΟΙΚΟΝΟΜΟΝ  
ΕΙΔΟΝΤΕΣ  
ΑΝΑΓΕΝΕΤΟΝ  
ΤΟΝ ΕΛΕΦΟΝΤΑ



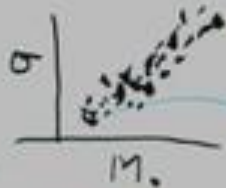






$$G_{\mu\nu} + \Lambda g_{\mu\nu} = 8\pi T_{\mu\nu}$$

$$S = -k \text{Tr} \rho \ln \rho$$



$$R_{\mu\nu} - \frac{1}{2} R g_{\mu\nu} = 8\pi G T_{\mu\nu}$$

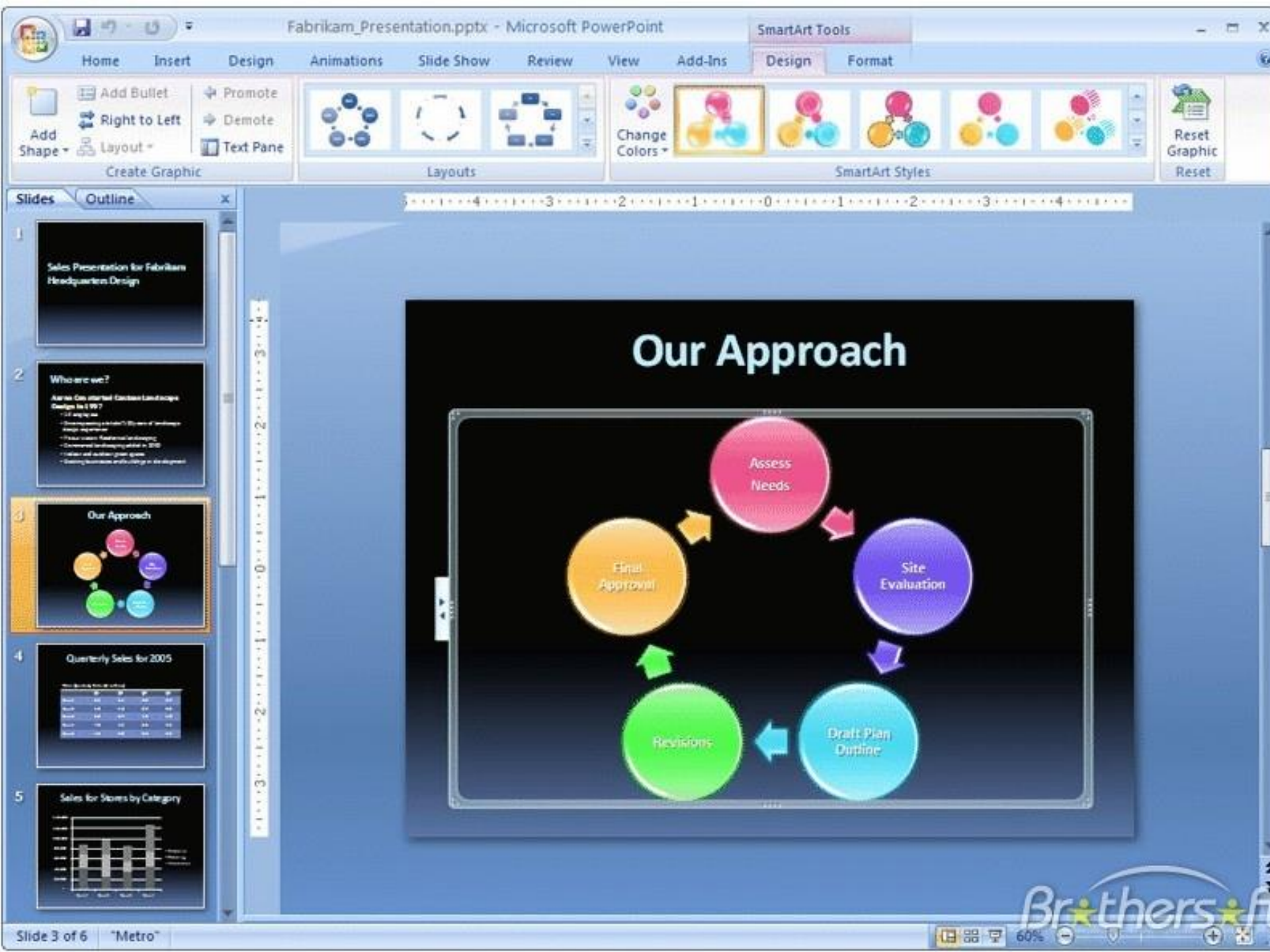


$\sigma \propto \epsilon \vee \epsilon$

$$i\hbar \dot{\sigma} = [H, \sigma]$$

Like isomorphism  
in entrop.





Slides Outline

Sales Presentation for Fabrikam  
Headquarters Design

Who are we?

Axman Co. started Coastal Landscape  
Design in 1997.

- Developing a solid business plan
- Developing a solid business plan
- Developing a solid business plan
- Developing a solid business plan
- Developing a solid business plan
- Developing a solid business plan

Our Approach



Quarterly Sales for 2005

Month	Q1	Q2	Q3	Q4
Jan	10	12	15	18
Feb	12	14	17	20
Mar	14	16	19	22
Apr	16	18	21	24
May	18	20	23	26
Jun	20	22	25	28

Sales for Stores by Category

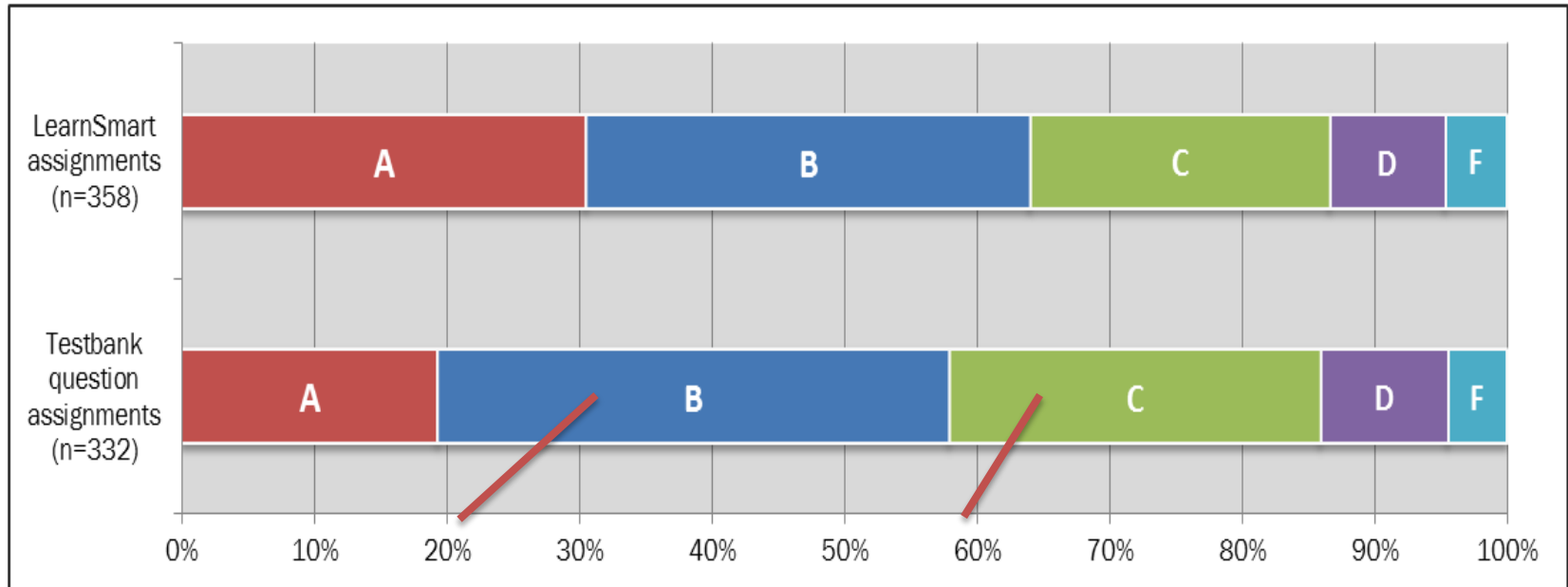


# Our Approach





**new**  $\Phi$

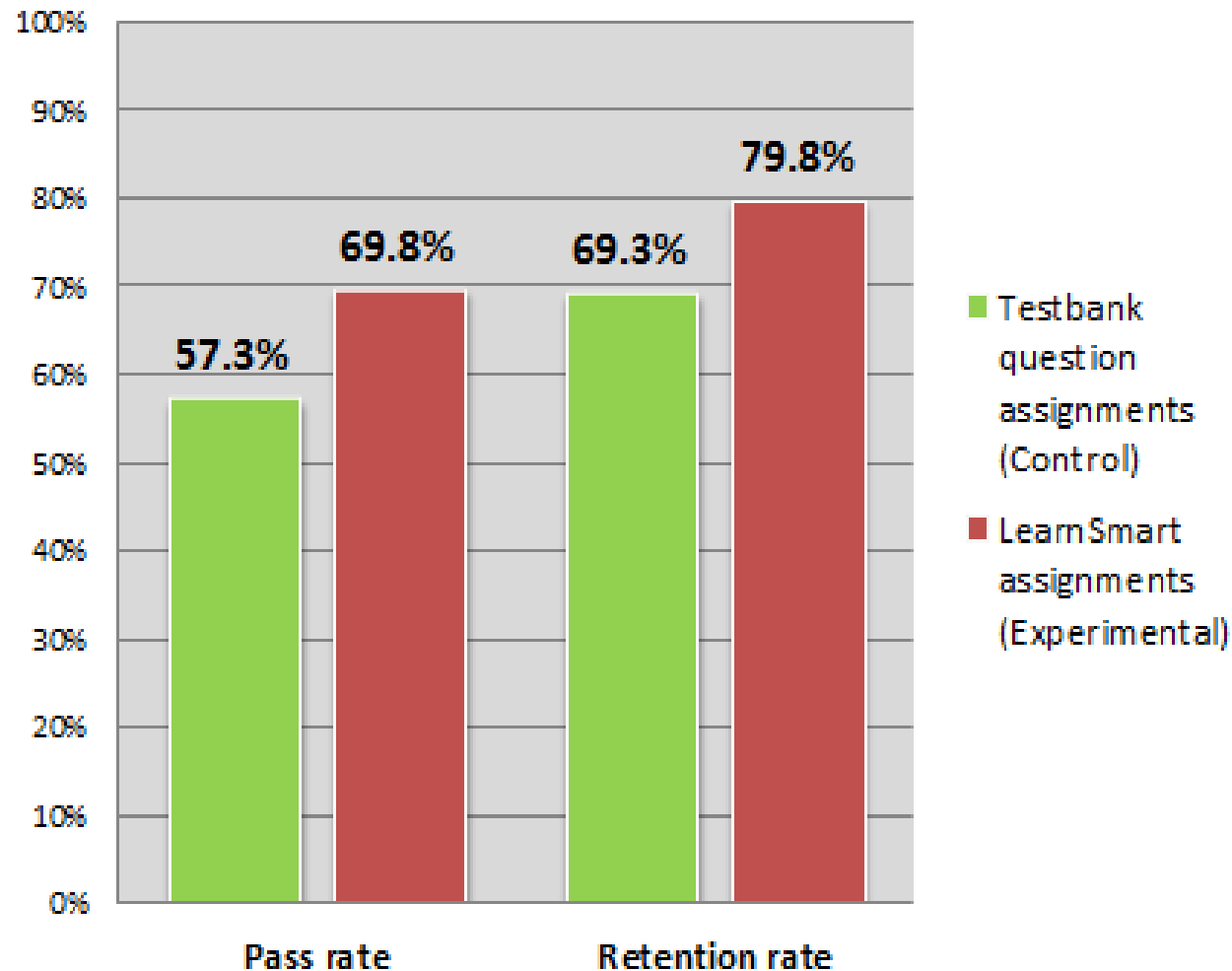


**More B Students Improve Their Learning Earning A's**

**More C Students Get B's**

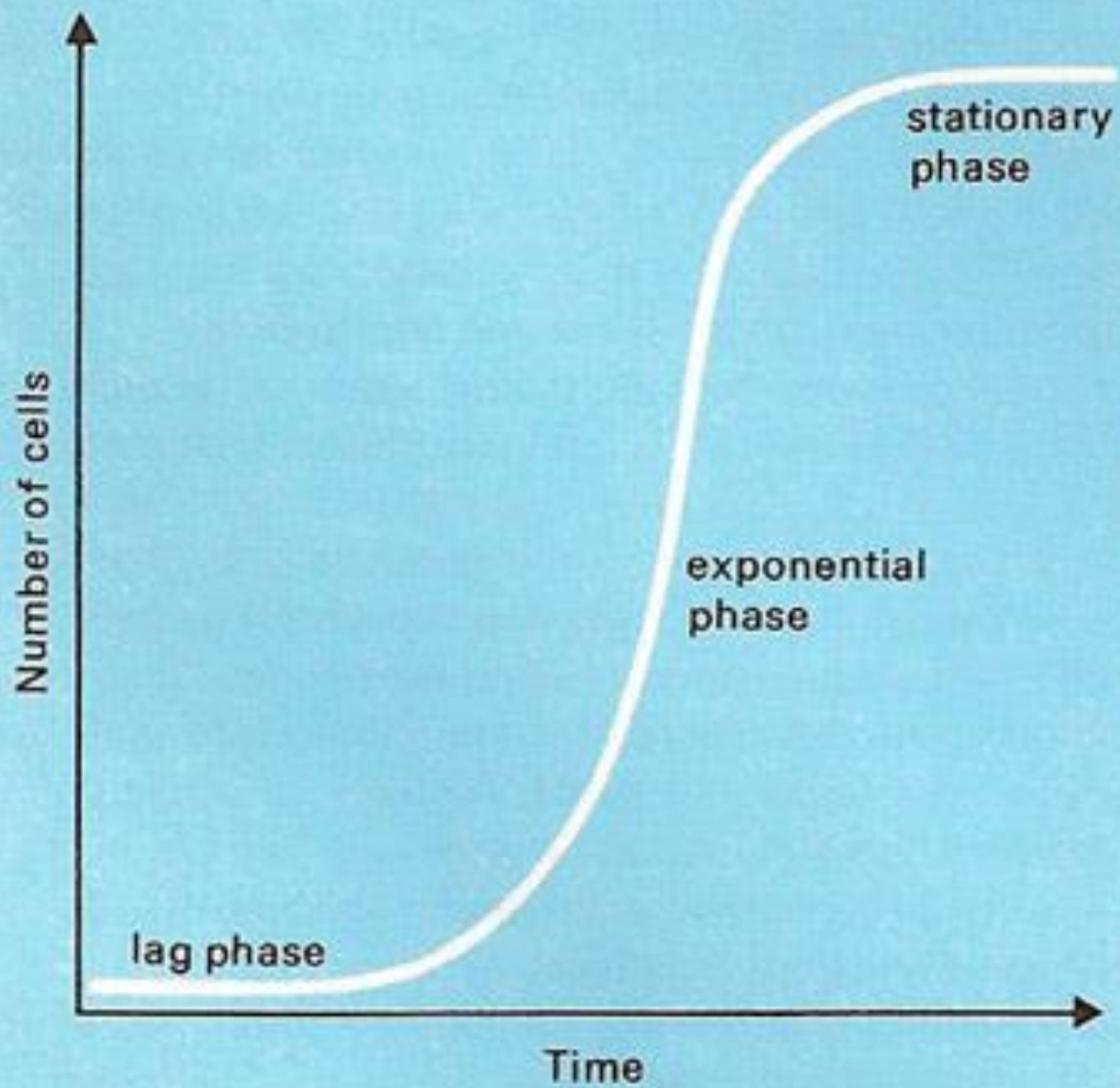


# Passing & Retention

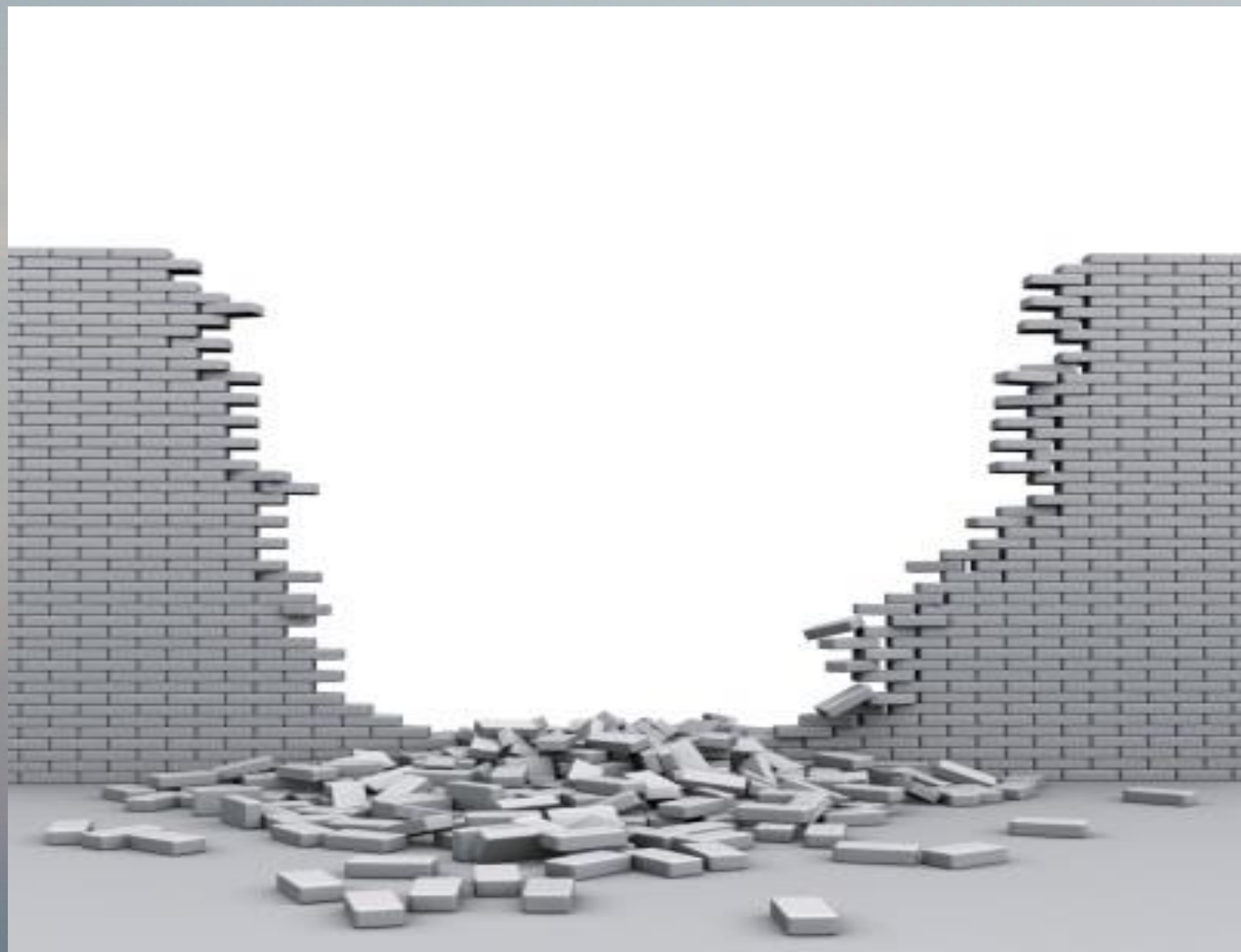


# Reading Comprehension

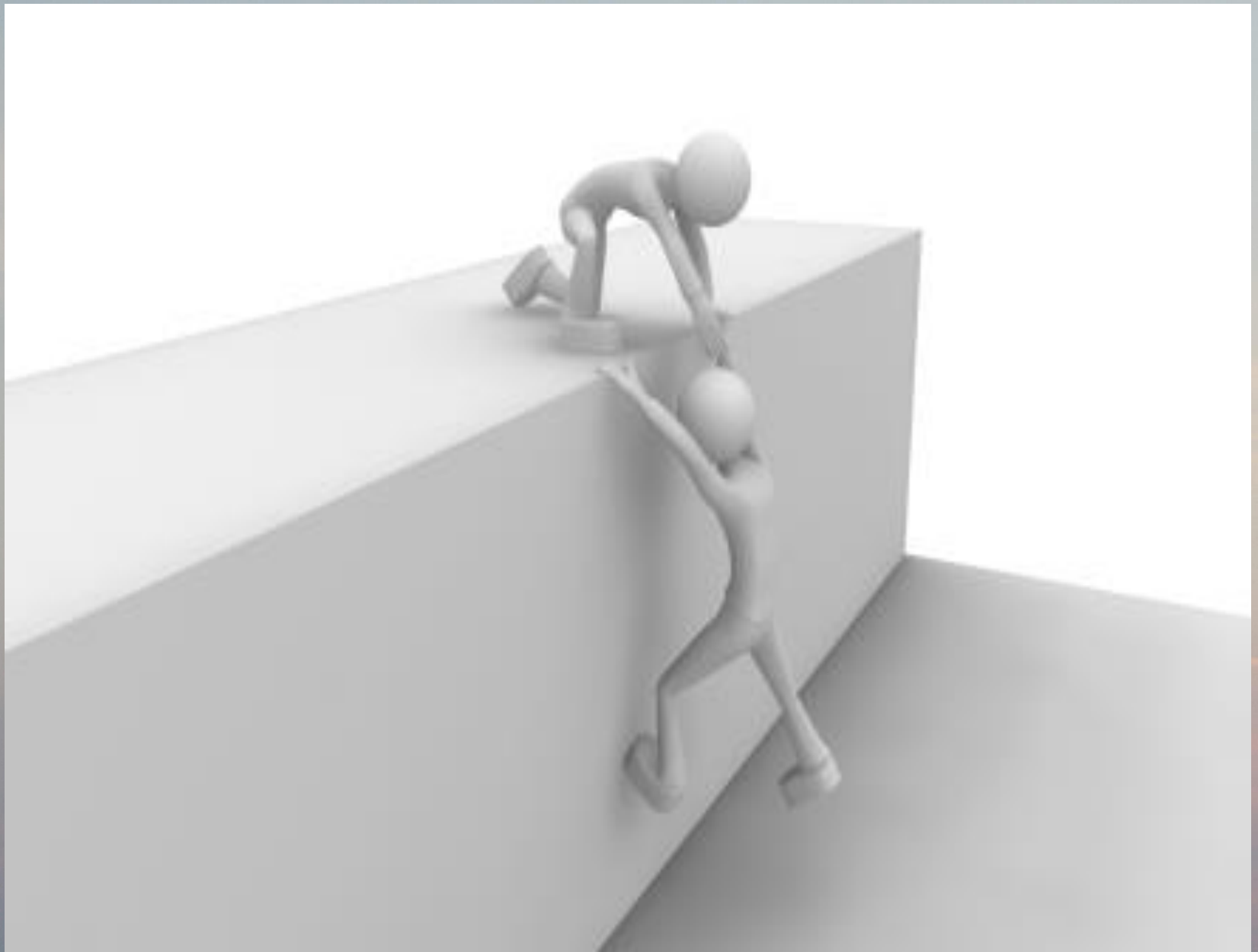


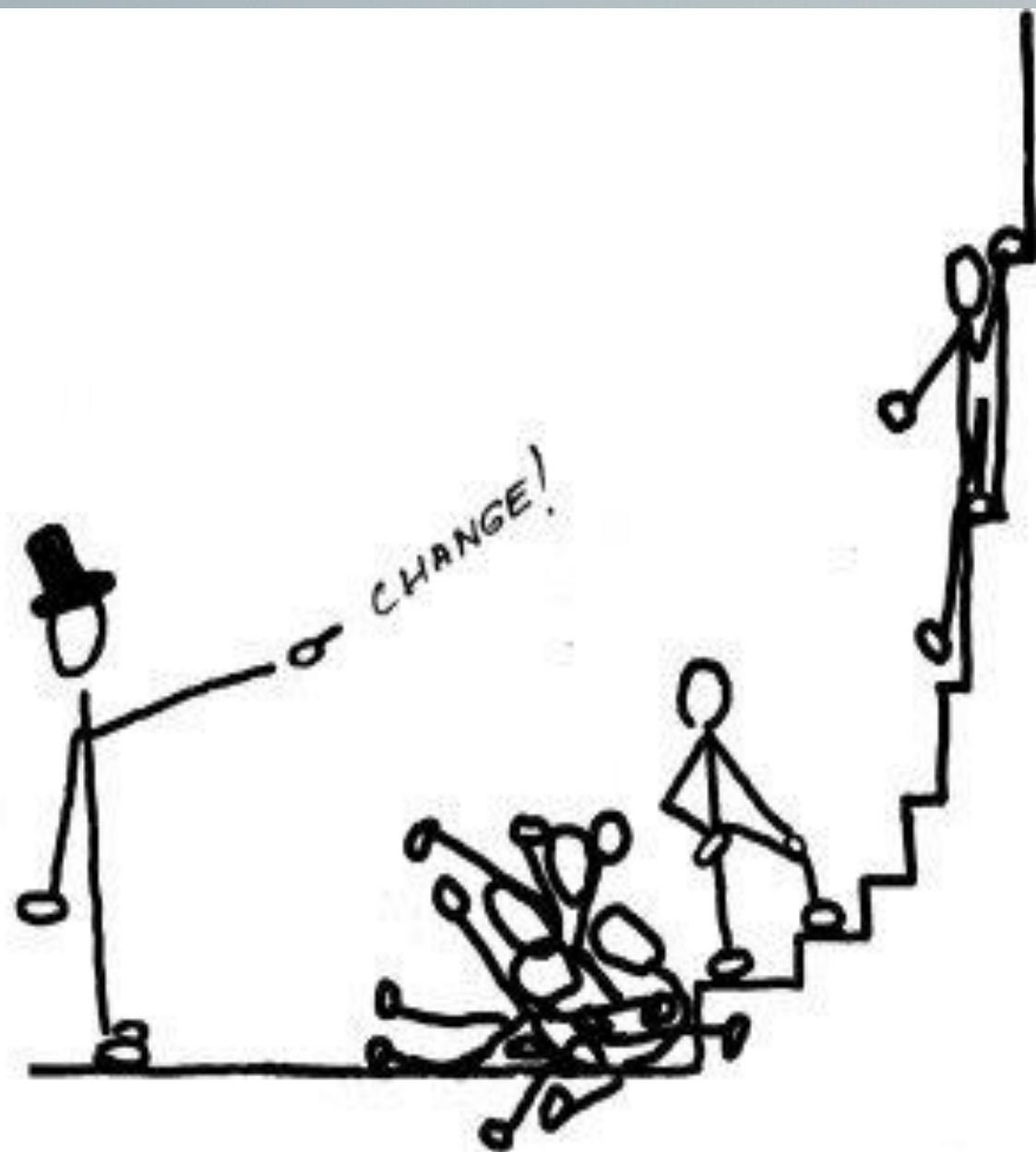














Online Learning

A close-up photograph of a computer keyboard. The central focus is a bright red key with the words "Online Learning" printed in white, sans-serif font. The key is rectangular with rounded corners. Surrounding it are various standard black keys with white symbols: a key with a question mark and slash to the left, a key with a double quote and apostrophe to the upper left, a key with a left arrow to the right, a key with an up arrow directly below, a key with a right arrow to the lower right, and a key with the number 1 and the word "End" to the far right. In the bottom left, a portion of a key with "Fn" is visible. The keyboard has a matte finish and the keys are slightly raised.



**THE  
END**