

WAITING FOR SUPERMAN  
RACING TO NOWHERE:  
CTE LEADING THE WAY

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# WAITING FOR SUPERMAN



# RACING TO NOWHERE



# CTE CAN LEAD THE WAY



# REFLECTING

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## OWNING YOUR PASSION





# Changes



# IT SHOULD BE SIMPLE



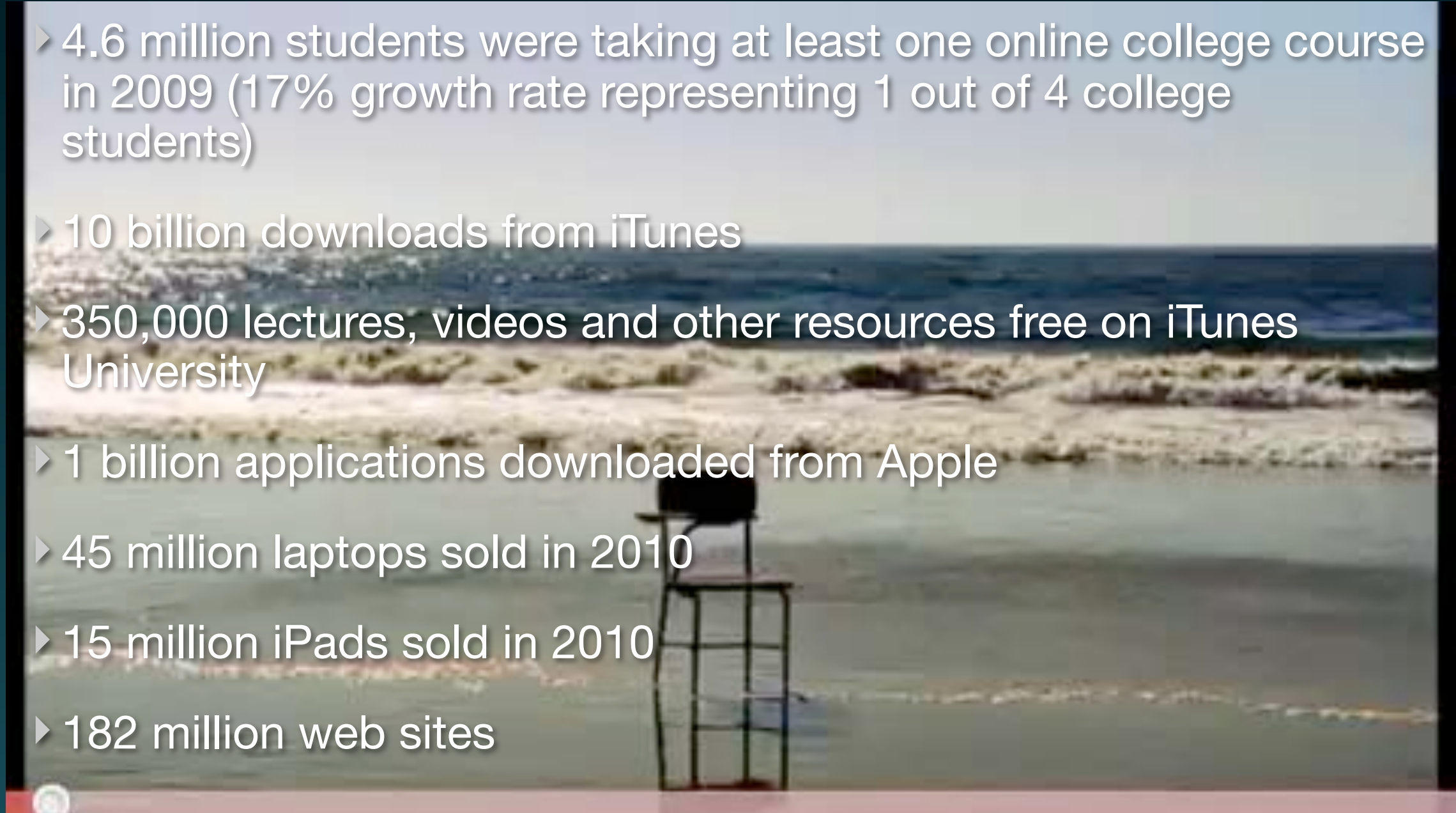


# The Nature of Students in Changing

- ▶ Deal with information differently
- ▶ Think in hypertext, they leap around
- ▶ Are intuitive visual communicators
- ▶ Learn better through discovery rather than being told
- ▶ Are able to shift their attention rapidly from one task to another, and may choose not to pay attention to things that don't interest them
- ▶ Able to respond quickly and expect rapid response in return

# Mobile Learning

- ▶ 4.6 million students were taking at least one online college course in 2009 (17% growth rate representing 1 out of 4 college students)
- ▶ 10 billion downloads from iTunes
- ▶ 350,000 lectures, videos and other resources free on iTunes University
- ▶ 1 billion applications downloaded from Apple
- ▶ 45 million laptops sold in 2010
- ▶ 15 million iPads sold in 2010
- ▶ 182 million web sites



# Job Skill Changes

## Professional, Skilled, Unskilled

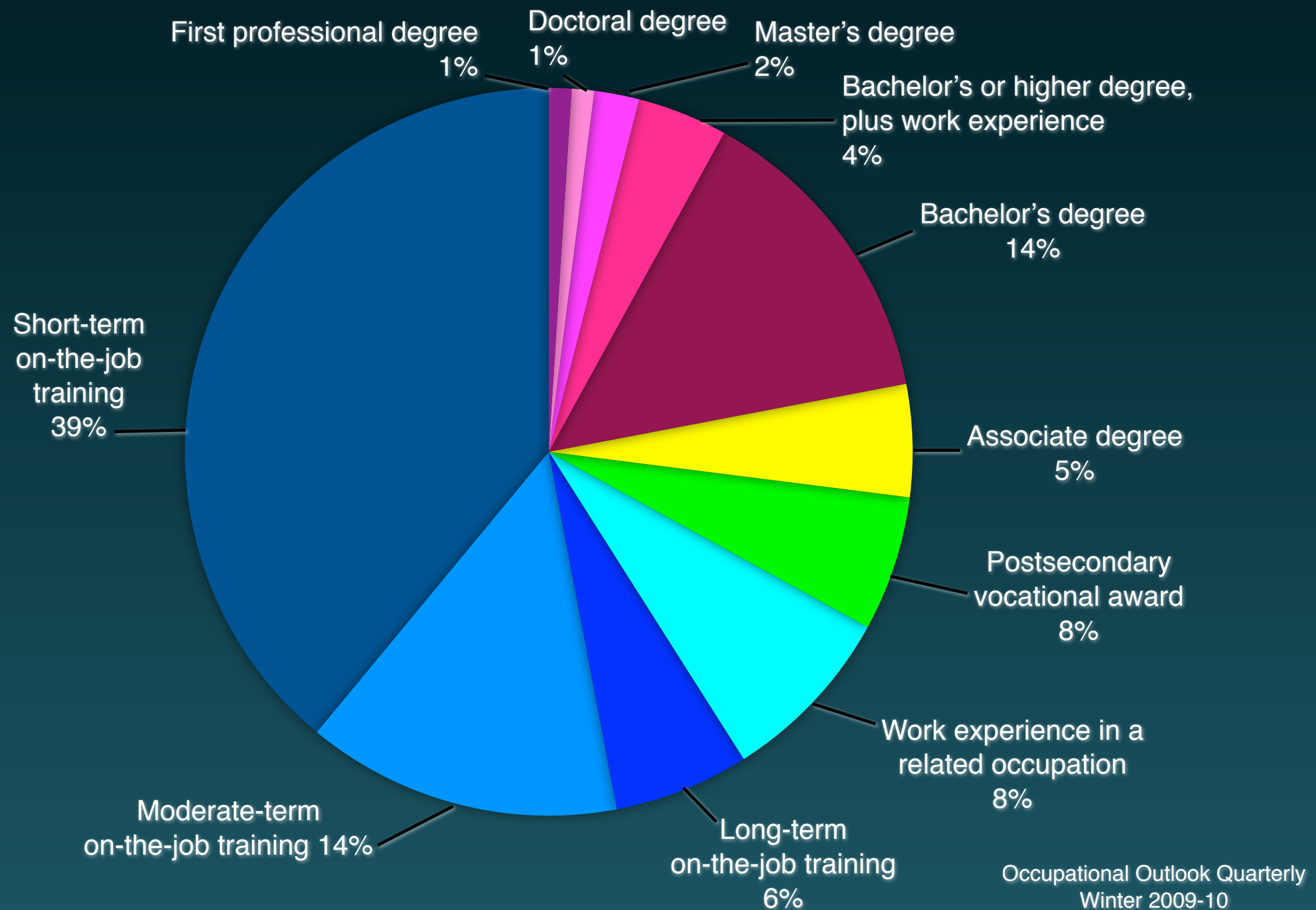


Skilled-Technical:  
Education beyond high school  
or on-the-job training

Professional:  
Bachelors Degree or above

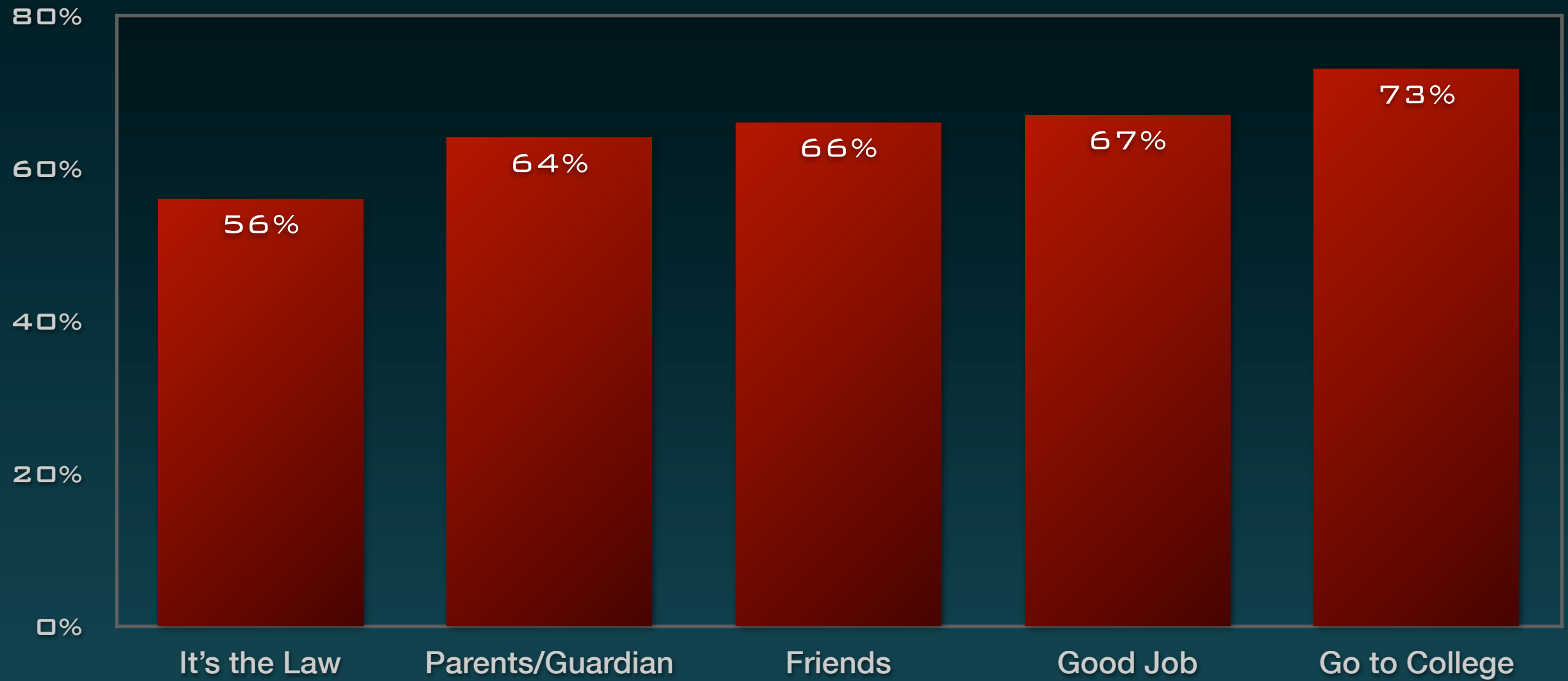
Source:  
U.S. Dept. of Labor

# Per-cent distribution of job openings due to job growth and replacement needs by education or training level projected 2008-2018



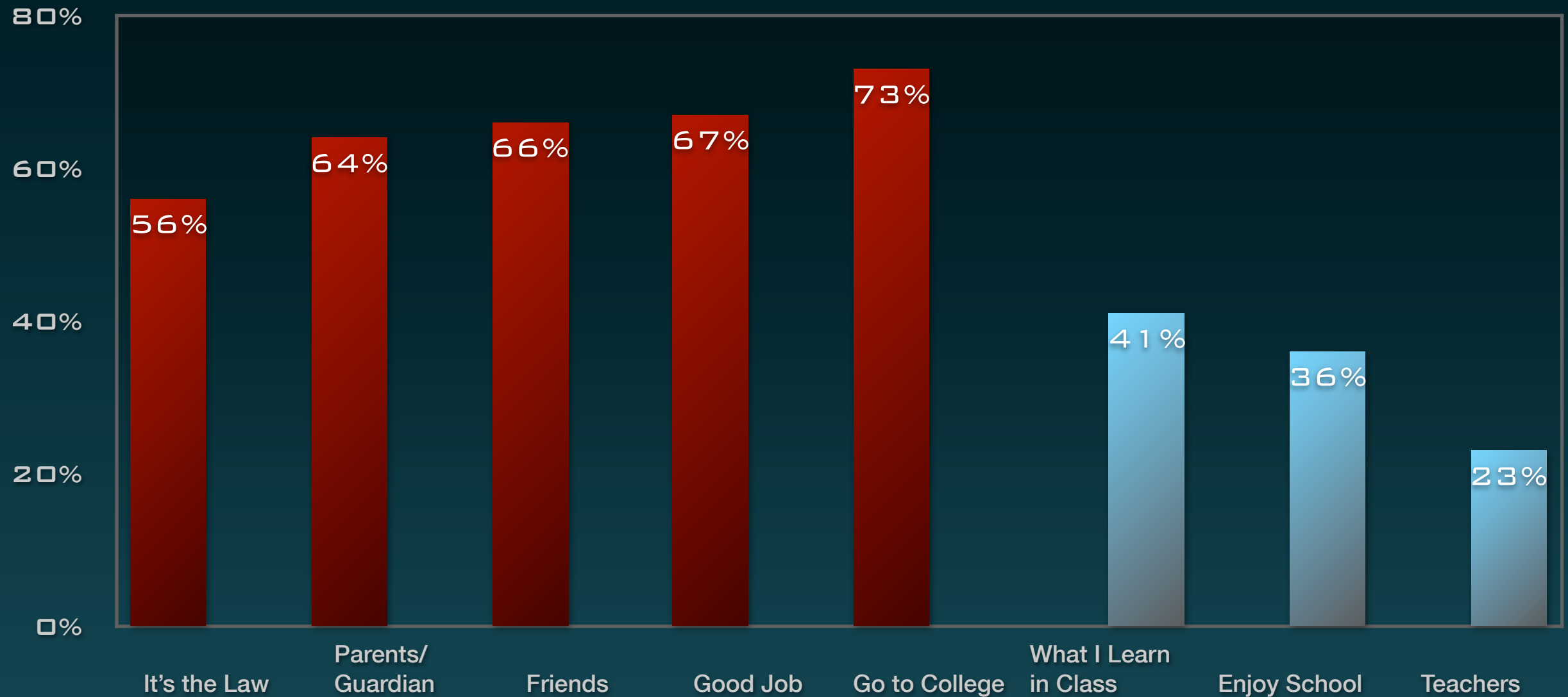


# Why do students go to school?



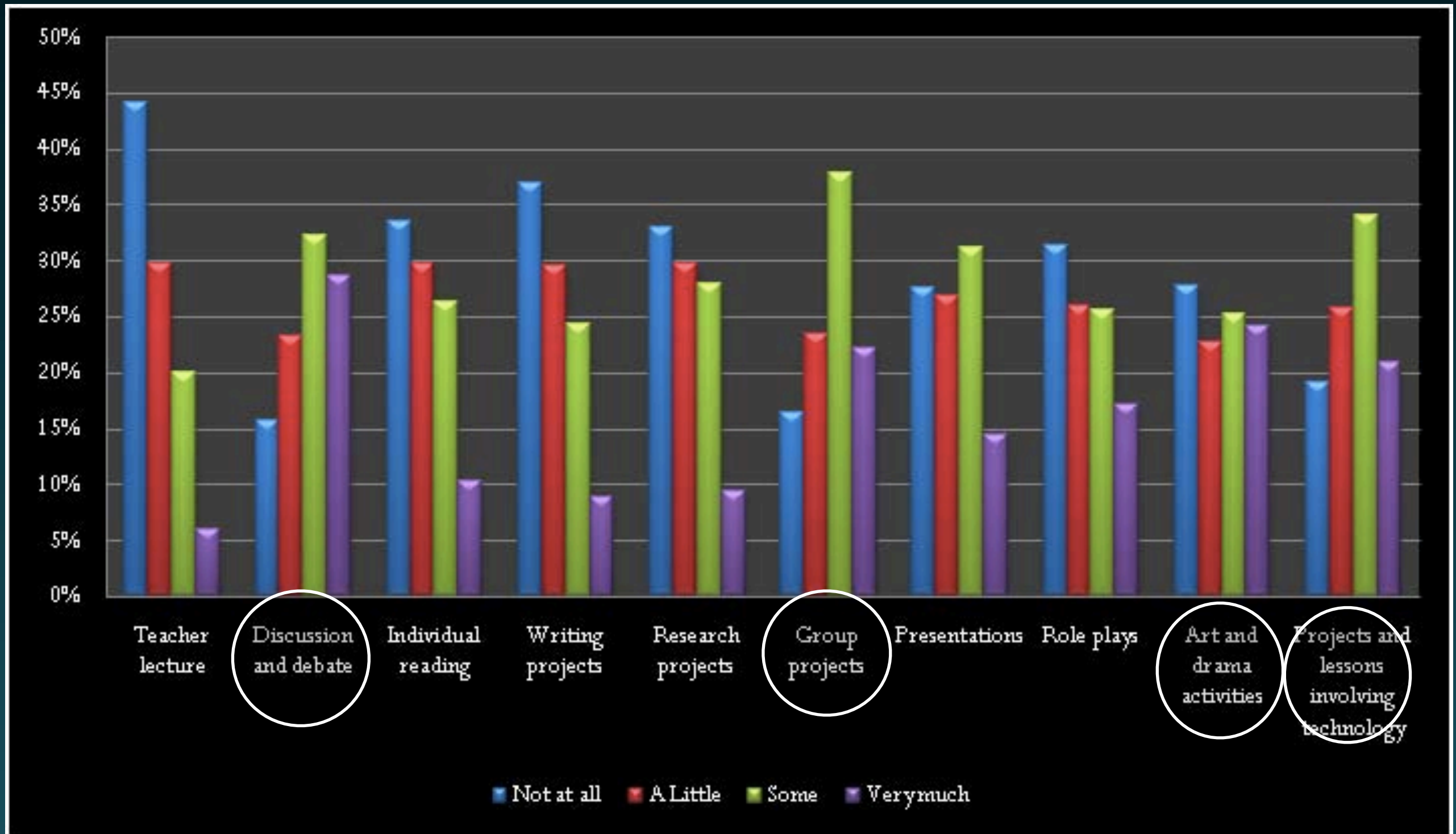
High School Study of Student Engagement 2009

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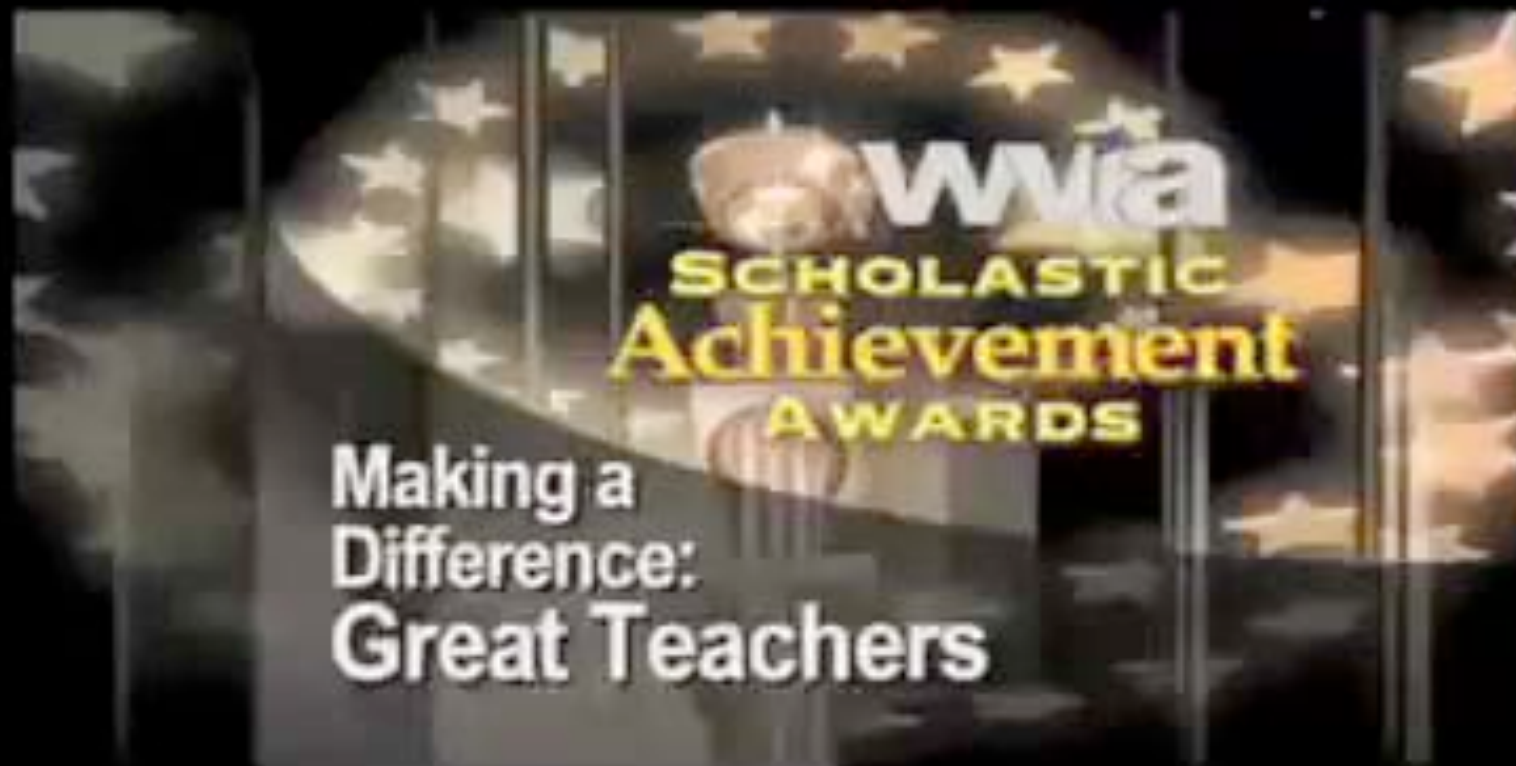
High School Study of Student Engagement 2009

# Degree of Engagement



High School Study of Student Engagement 2009

# TEACHERS MAKE A DIFFERENCE





# CTE LEADING THE WAY



# WHAT IS THE SPARK?

WHAT IS YOUR MESSAGE FOR  
STUDENTS AND PARENTS,  
COLLEAGUES,  
COLLEGES,  
AND  
STATE LEADERS?

► CURRICULUM

► CAREER PATHWAYS

► ASSESSMENT

# CURRICULUM

HOW IS CONTENT LINKED TO  
MEANINGFUL APPLICATION?

- ▶ HOW ESSENTIAL ARE THE MASTERY OF CORE SUBJECTS TO WORK SUCCESS?
- ▶ HOW DO YOU DETERMINE EACH STUDENT'S NEED FOR EXPLICIT INSTRUCTION IN HIGHER LEVEL MATHEMATICS?
- ▶ HOW ARE MATH SKILLS PRESENTED IN PREPARATION FOR DIFFERENT CAREERS?

# CAREER PATHWAYS

LEADERSHIP, SELF-DIRECTION, RESPONSIBILITY, ETHICS, AND ADAPTABILITY ARE ESSENTIAL LIFE SKILLS NEEDED IN EVERY CAREER.

- ▶ WHAT IS THE BIG PICTURE, THE LIFELONG LEARNING I WANT MY STUDENTS TO HAVE?
- ▶ WHY IS IT IMPORTANT FOR YOU TO BE AN INFORMED EDUCATOR PARTICIPATING IN OUR DEMOCRATIC PROCESS? HOW DO YOU BECOME INFORMED AND ENGAGED IN POLICY DECISIONS?
- ▶ HOW DOES GLOBAL TRADE EFFECT THE SKILLS NEEDED FOR BEING A SUCCESSFUL WORKER?



# ASSESSMENT

WHAT MEASUREMENT OF LEARNING IS  
MEANINGFUL TO LIFE SUCCESS?

- ▶ WHAT IS THE PURPOSE OF EDUCATION IN THIS CHANGING TECHNOLOGICAL WORLD?
- ▶ HOW DO LEARNERS DISCOVER WHAT THEY ARE PASSIONATE ABOUT?
- ▶ HOW ARE OPINIONS ABOUT CTE FORMED AND HOW MIGHT I IMPACT THOSE OPINIONS?

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