our **world** is **CHANGING**
it is growing more COMPLEX
The number of **INTERNET DEVICES** in 2004 was **1,000,000,000,000**.
The number of **INTERNET DEVICES** in **1994** was **1,000,000,000,000**.
it is growing more DANGEROUS
From 1880-2012, THE EARTH’S AVERAGE TEMPERATURE rose 1.5 degrees Fahrenheit. It will rise 7.2 degrees Fahrenheit by 2100.
it is growing more interconnected
It is estimated that **A WEEK’S WORTH** of the *New York Times* contains more information than a person was likely to come across in a lifetime in the 18th century.
it is growing more unequal
In the United States today, **THE WEALTHIEST 1%** of all Americans have a greater net worth than the **bottom 90% combined**.
THE 8 WEALTHIEST PEOPLE have as much net worth as the bottom 50% of ALL people combined.
the job market is CHANGING
65% of today’s school-children will eventually be employed in jobs that have *yet* to be created.
Index of Changing Work Tasks in the U.S. Economy 1960 - 2009

Index Value: 1960 = 50

- Working with New Information
- Solving Unstructured Problems
- Routine Manual Tasks
- Non-Routine Manual Tasks
- Routine Cognitive Tasks

Source: https://therationalpessimist.files.wordpress.com
CIVIC CHOICES

our children make could determine the planet’s future
Given such CHANGE, when we think about this graduate, how do we prepare our children for A WORLD OF UNCERTAINTY?
TEACHABLE

COLLEGE-, CAREER-, & CIVIC-READY

ASSESSABLE
MALLEABLE

MEANINGFUL

MEASURABLE
ACTIVE LEARNING
ACTIVE LISTENING
CRITICAL THINKING
LEARNING STRATEGIES
AGREEABLE
MONITORING
READING COMPREHENSION
CONSCIENTIOUSNESS
SPEAKING
CRITICAL THINKING & PROBLEM SOLVING
WRITING
SOCIAL SKILLS
COORDINATION
INSTRUCTING
NEGOTIATION
PERSUASION
SERVICE ORIENTATION
SOCIAL PERCEPTIVENESS
COMPLEX PROBLEM SOLVING
TECHNICAL SKILLS
EQUIPMENT MAINTENANCE
EQUIPMENT SELECTION
INSTALLATION
EXPERT COMMUNICATION
OPERATION MONITORING
OPERATION AND CONTROL
OPERATIONS ANALYSIS
PROGRAMMING
QUALITY CONTROL ANALYSIS
REPAIRING
TECHNOLOGY DESIGN
TROUBLESHOOTING
SYSTEM SKILLS
JUDGMENT AND DECISION MAKING
SYSTEMS ANALYSIS
SYSTEMS EVALUATION
RESOURCE MANAGEMENT SKILLS
MANAGEMENT OF FINANCIAL RESOURCES
COLLABORATION & TEAMWORK
MANAGEMENT OF MATERIAL RESOURCES
MANAGEMENT OF PERSONNEL RESOURCES
TIME MANAGEMENT
DESKTOP COMPUTER SKILLS
SPREADSHEETS
PRESENTATIONS
INTERNET
NAVIGATION
WORD PROCESSING
DATABASES
WRITES CLEARLY AND CONCISELY
SPEAKS EFFECTIVELY
LISTENS ATTENTIVELY
OPENLY EXPRESSES IDEAS
NEGOTIATES/RESOLVES DIFFERENCES
LEADS GROUP DISCUSSIONS
LEARNING TO LEARN
PROVIDES FEEDBACK
ACADEMIC INTEGRITY
PROVIDES WELL-THOUGHT OUT SOLUTIONS
GATHERS APPROPRIATE INFORMATION
CONFIDENTLY SPEAKS IN PUBLIC
WORKS WELL WITH OTHERS
SENSITIVE SUPPORTIVE
MOTIVATES OTHERS
SHARES CREDIT
COOPERATES
DELEGATES EFFECTIVELY
REPRESENTS OTHERS
UNDERSTANDS FEELINGS
SELF-CONFIDENT
ACCEPTS RESPONSIBILITY
FORECASTS/PREDICTS
CREATES IDEAS
IDENTIFIES PROBLEMS
MEETS GOALS
IDENTIFIES RESOURCES
GATHERS INFORMATION
SOLVES PROBLEMS
DEFINES NEEDS
ANALYZES ISSUES
DEVELOPS STRATEGIES
ASSESSES SITUATIONS
HANDLES DETAILS
COORDINATES TASKS
PUNCTUAL
MANAGES PROJECTS EFFECTIVELY
ACADEMIC MINDSETS MEETS DEADLINES
SYNONYMS & ANTONYMS KEEPS CONTROL OVER BUDGET
PLANS AND ARRANGES ACTIVITIES
MULTI-TASKS
LEADS GROUPS
TEACHES/TRAINS/INSTRUCTS
COUNSELS/COACHES
MANAGES CONFLICT
DELEGATES RESPONSIBILITY
MAKES DECISIONS
DIRECTS OTHERS
IMPLEMENTS DECISIONS
ENFORCES POLICIES
TAKES CHARGE
ACADEMIC CONTENT
MASTERY
KEYBOARDING
EXTRAVERSION
TEST PREPARATION
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Meaningful

How People Learn

Brain, Mind, Experience, and School

Expanded Edition
Meaningful

EDUCATION FOR LIFE AND WORK

Developing Transferable Knowledge and Skills in the 21st Century
Deeper Learning

**Cognitive**
- master core **CONTENT**
- THINK critically & solve complex problems

**Interpersonal**
- COMMUNICATE effectively
- WORK collaboratively

**Intrapersonal**
- LEARN how to learn
- DEVELOP academic mindsets
VISIT A DEEPER LEARNING SCHOOL

http://www.hewlett.org/programs/education/deeper-learning/more-resources

TAKE A LOOK AT A DEEPER LEARNING RESOURCE

http://www.jff.org/initiatives/students-center/what-deeper-learning

BECOME A DEEPER LEARNING CHAMPION

COMMUNICATE

#deeper learning

http://blogs.edweek.org/edweek/learning_deeeply/

INQUIRE

https://newtechnetwork.org/

TRY IT OUT!

http://www.schoolretool.org/big-ideas