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# America's Missing Link: Educational Reform and Workforce Development

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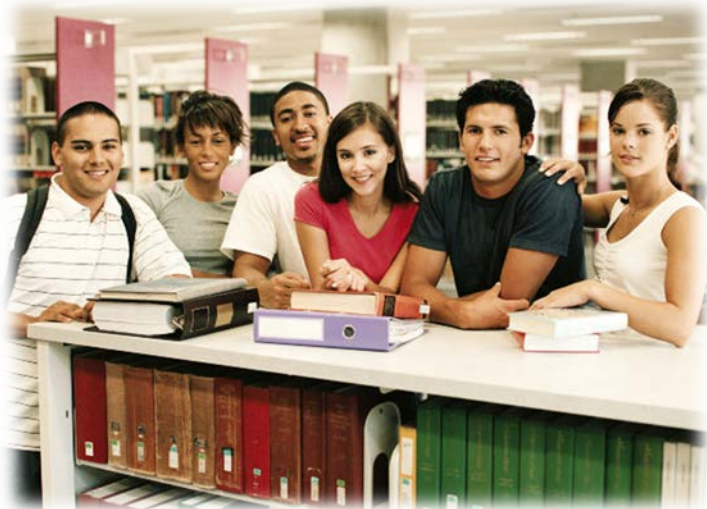
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# NATIONAL FORUM ON INFORMATION LITERACY



## ***AMERICA'S MISSING LINK...***

**EDUCATIONAL REFORM AND  
WORKFORCE DEVELOPMENT**



*"Information Literacy empowers people in all walks of life to seek, evaluate, use, and create information effectively to achieve their personal, social, occupational, and educational goals. It is a basic human right in a digital world and promotes social inclusion of all nations."*

*(The Alexandria Proclamation, 2005)*

# JUNE 18, 2014 D.O.E. PRESENTATION



**Dr. Lana W. Jackman**, President, National Forum on Information Literacy, Cambridge, MA



**Dr. Sharon Weiner**, Vice President of NFIL, Professor & W. Wayne Booker Chair in Information Literacy, Purdue University



**Glen Warren**, Vice President, Government Relations for the California School Library Association

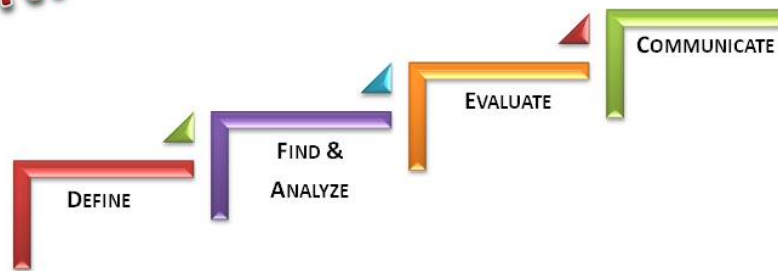


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# JUNE 18, 2014 D.O.E. PRESENTATION

## INFORMATION LITERACY



AN ACADEMIC, PROFESSIONAL, AND PERSONAL PATHWAY TO  
INDIVIDUAL EMPOWERMENT AND SELF-SUFFICIENCY



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# WHAT IS IL?

- Related to critical thinking, problem-solving, informed decision making, and communication skills
- 21<sup>st</sup> century skill
- Umbrella for ***all*** literacies—digital, financial, health, cultural...

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**A**

**Access**

**E**

**Evaluate**

**I**

**Integrate**

**O**

**Originate**

**U**

**Use**



*"Information Literacy empowers people in all walks of life to find, use, and create information effectively to achieve their personal, social, and educational goals. It is a basic human right in a digital world and promotes economic and social development." (The American Library Association, 2005)*



# INFORMATION LITERACY PRACTICE

“To be ready for college, workforce training, and life in a technological society, *learners need:*

- ***the ability*** to gather, comprehend, evaluate, synthesize, and report on information and ideas;
- ***to conduct*** original research in order to answer questions or solve problems; and
- ***to analyze*** and create a high volume and extensive range of print and non print text in media forms old and new.”



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# WHAT'S THE PROBLEM?

## ASSORTED DOMESTIC ISSUES

- K-16 Educational Reform
- Workforce Preparation
- Healthcare Access and Utilization
- Environmental Challenges
- National Security
- Consumer Responsibility
- Corporate Accountability
- Home Ownership
- Everyday life decisions
- Lifelong learning

***Knowing how to find and use information effectively is key to a thriving, democratic republic!***



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# WHAT'S THE PROBLEM?

*The Freshmen Study*

*Project Information Literacy*

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# WHAT'S THE PROBLEM?

- Work quality correlated with high school 21st Century Skills
- But, employees reported in last year of school:
  - 73% **often analyzed info** to draw conclusions about a topic
  - 66% **often developed communications** that included info to support their ideas



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# WHAT'S THE PROBLEM?

- Most Americans say higher education system is doing a **fair to poor job** of preparing college graduates.



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# WHAT'S THE PROBLEM?

[A 2012 Harvard Business School Study](#): Out of 5,000 employees at 22 global companies, ***fewer than 44% of employees*** say they know where to find the information they need for their day-to-day work.



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# WHAT'S THE PROBLEM?

- Most business leaders said:
  - More important for college grads to have **soft skills**
  - **Thinking critically** is as important as thinking creatively



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# WHAT'S THE PROBLEM?

- But employees have difficulty with critical thinking, communication:
  - 50%+ executives said employees were **average at best**
  - 75% said these will become **more important** for the job in 3-5 years
  - More managers admitted their employees were **below average in 2012 than 2010**
  - 81% employers found high school grads deficient in written communication
  - 70% of employers found high school grads deficient in critical thinking, problem-solving

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# WHAT'S THE PROBLEM?

Low health literacy associated with:

- Higher medical costs
- Patient adherence/compliance challenges
- Inefficient use of services
- Poorer outcomes
- Even mortality

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# WHAT'S THE PROBLEM?

## Financial literacy

- Average of 2.8/5 FL questions answered correctly on national test
- 41% of Americans reported spending less than their income
- 11% of youth age 15-18 scored 80% or higher on FL test
- 61% of US adults admit to not having a budget



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ELA & ALL

Mathematics

Social Science

Science & CTE

Arts & Music

Physical Education

Personal Interest

Information Literacy



# INFORMATION LITERACY STATE STANDARDS

- California State PTA
- California Office of Privacy Protection
- University of California
- Atkinson, Andelson, Loya, Ruud, and Romo
- California Library Association
- California School Library Association
- Computer Using Educators
- California Teachers Association



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# COMMON CORE STATE STANDARDS

"Investigate the language of the standards...examine the number of times certain words appear; notice that the term **"research"** appears 132 times, exceeding the mention of **"vocabulary"** (79) and **"nonfiction"** (64), and comes in close to **"evidence"** (155) and **"complexity"** (196).



*The word **"information"** (244) is used more often than all five, but behind **"reading"** (388)."*



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# “What matters to you, matters!”

## Uncommon Core

Student Focused

*Different for every learner*

Desired Learning



Information  
Literacy



## Common Core

Standards Focused

*Same for every learner*

Required Learning

DESIRED

LEARNING

REQUIRED

to seek, evalu  
occupational, an  
ates social inclusion  
ne Alexandria Proclam

create  
goals.



# STUDENT SUPPORT SERVICES

**INFORMATION LITERACY PRACTICE**  
*binds* the wraparound  
support services needed by  
*all learners* to actively pursue  
academic, professional, and  
personal success.

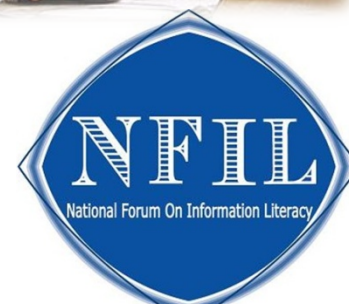


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# WHAT'S THE SOLUTION?

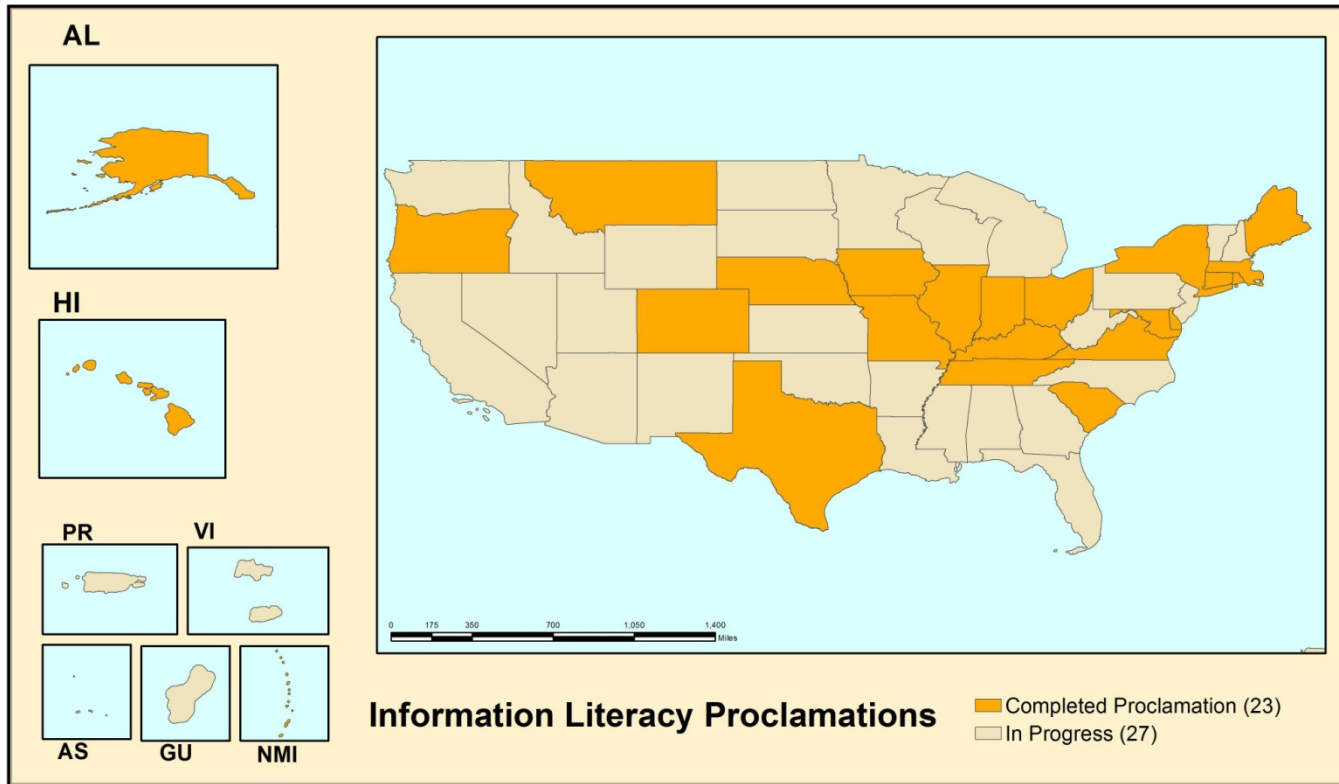
Information Literacy is the “*equity in education*” *equalizer*...i.e. integrate and mainstream information literacy practice throughout formal and informal educational and workforce infrastructures.



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# NFIL GUBERNATORIAL INFORMATION LITERACY PROCLAMATION CAMPAIGN PROJECT 2014

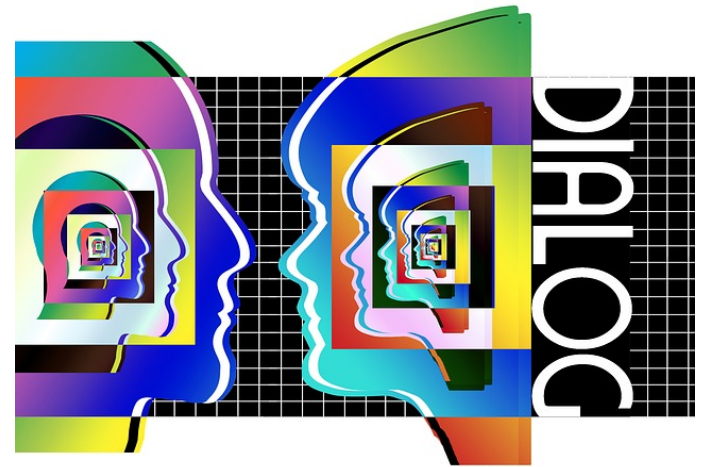


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## Goal: All 50 States and U.S. Territories

# NFIL INFORMATION LITERACY RECOMMENDATIONS

- Inclusion of Information Literacy Practice in First Lady's Reach Higher Initiative
- Convening of a White House Conference on Information and Digital Literacy in 2015
- Establishment of a White House Council on Information and Digital Literacy



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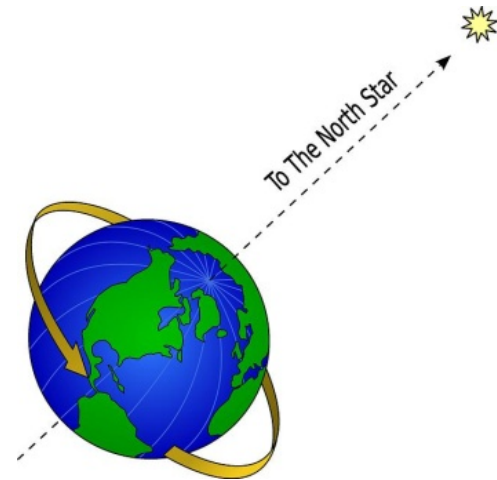
# REACH HIGHER INITIATIVE

Encourage the inclusion of information literacy practice in the First Lady Michelle Obama's Reach Higher Initiative –

*President Obama's "North Star Goal – 2020, U.S. will have the highest % of college graduates in the world."*

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# WHITE HOUSE CONFERENCE ON INFORMATION AND DIGITAL LITERACY

A White House Conference on **Information and Digital Literacy** will bring together a broad spectrum of diverse constituencies to address the following themes:

**Education** – *College and Career Readiness*

**Business** – *Workforce Development and Global Economy*

**Health** - *Medical and Behavioral Health Literacy*

**Government** – *Democracy, Technology, and Citizenship*

**The End Game:** To foster an interdisciplinary network that reinforces a national information and digital literacy framework which undergirds academic achievement, workplace success, civic and personal responsibility, lifelong learning, and quality of life.

**Projected Timeframe: October, 2015**

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# WHITE HOUSE COUNCIL ON INFORMATION AND DIGITAL LITERACY

- **Council Mission:** Oversee the embedment of information and digital literacy practices within the mission statements of established national frameworks of domestic policy and the Executive Branch of government.
- **Duties:** Advise the President and Domestic Policy Council on information and digital literacy issues consistent with developing effective strategies pursuant to the President's domestic policy agenda.
- **Members:** Community anchor institutions i.e. schools, libraries, health care providers, public safety entities, social service organizations, community colleges, and other institutions of higher education.



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