



Office of the Secretary of Technology

The Innovation Imperative ~ Remarks to the JCOTS Open Education Subcommittee



The Honorable Aneesh P. Chopra
Secretary of Technology

August, 2008



Office of the Secretary of Technology

Virginia Leading the Way

A Strong Foundation of Leadership



Government Performance Project
Grading the States 2008

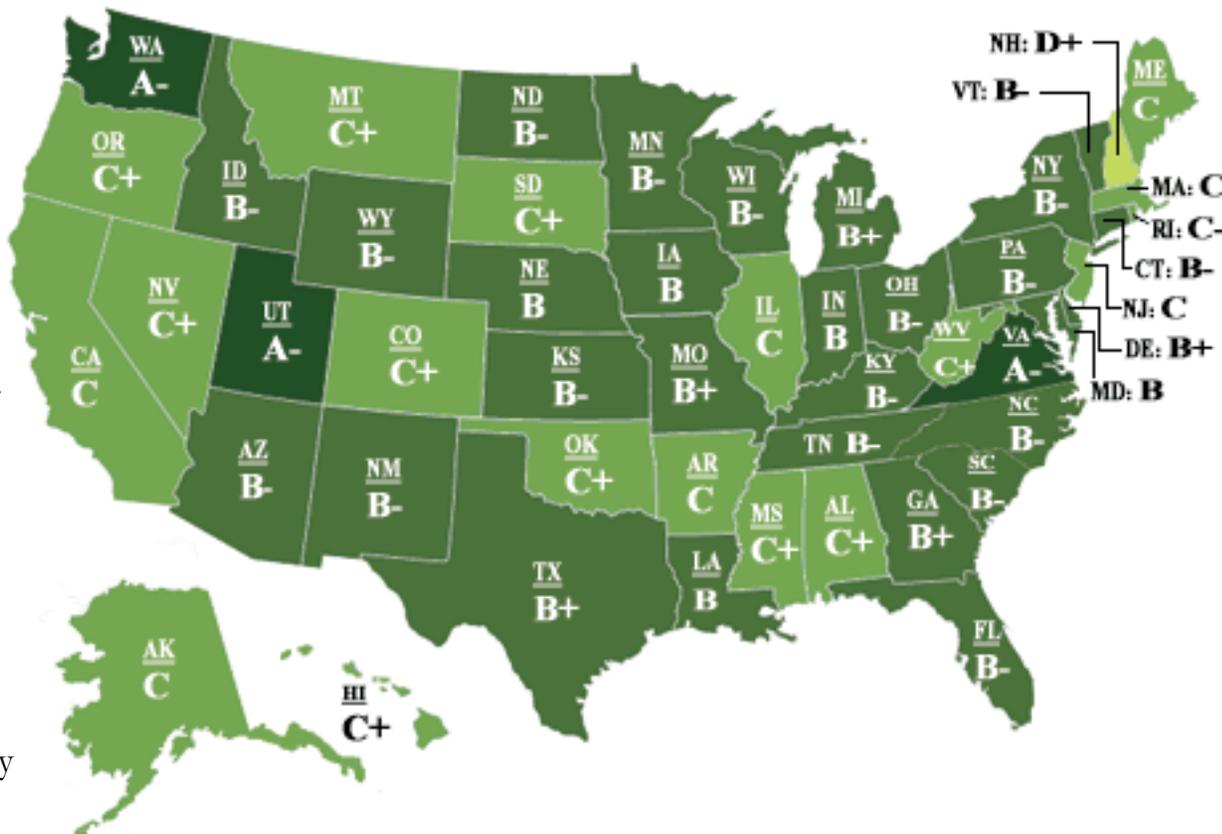
- Best State for Business (2006-8)



- Highest Concentration of Technology Workers (2007-8)



- 2nd in Digital States Survey (2006)





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Promoting Transparency

Benchmarking Government Outcomes on Public Website

Scorecard at a Glance

Virginia Performs VISION FOCUS RESULTS

Economy

Goal: Be a national leader in the preservation and enhancement of our economy.

Indicators:

- Personal Income/ Wages and Salaries ↑
- Poverty ↓
- Unemployment ↑
- Employment Growth ↑
- Workforce Quality →
- Business Climate ↑
- Business Startups ↑

Education

Goal: Elevate the levels of educational preparedness and attainment of our citizens.

Indicators:

- School Readiness →
- Third Grade Reading ↑
- Fourth Grade Reading & Math Achievement ↑
- High School Graduation ↑
- High School Dropout ↑
- College Graduation ↑
- Educational Attainment ↑
- Lifelong Learning →

Health & Family

Goal: Inspire and support Virginians toward healthy lives and strong and resilient families.

Indicators:

- Family**
- Adoption ↑
- Foster Care →
- Child Abuse & Neglect →
- Community Health**
- Teen Pregnancy ↑
- Obesity ↓
- Infant Mortality →
- Suicide →
- Health Insurance →
- Immunization ↑
- Cancer ↑
- Cardiovascular Disease ↑
- Smoking ↑
- Life Expectancy ↑

Public Safety

Goal: Protect the public's safety and security, ensuring a fair and effective system of justice and providing a prepared response to emergencies and disasters of all kinds.

Indicators:

- Crime →
- Juvenile Intakes ↑
- Recidivism (Adult & Juvenile) →
- Traffic Fatalities ↑
- Emergency Preparedness ↑

Natural, Historic & Cultural Resources

Goal: Protect, conserve and wisely develop our natural, historical and cultural resources.

Indicators:

- Air Quality ↑
- Water Quality →
- Solid Waste & Recycling →
- Land Preservation ↑
- Historic Resources →

Transportation

Goal: Ensure that Virginia has a transportation system that is safe, enables easy movement of people and goods, enhances the economy and improves our quality of life.

Indicators:

- Traffic Congestion ↓
- Infrastructure Condition ↓
- Land Use →

Government & Citizens

Goal: Be recognized as the best-managed state in the nation.

Indicators:

- Bond Rating →
- Taxation ↑
- Voter Registration & Turnout →
- Consumer Protection ↓
- Internet Access ↑

Legend

Performance Trend

- ↓ Worsening
- Maintaining
- ↑ Improving

Indicator Page Content

- Why is This Important?
- How is Virginia Doing?
 - Over time
 - By Region
 - Compared to other states
- What Influences the Indicator?
- What is the State's Role?

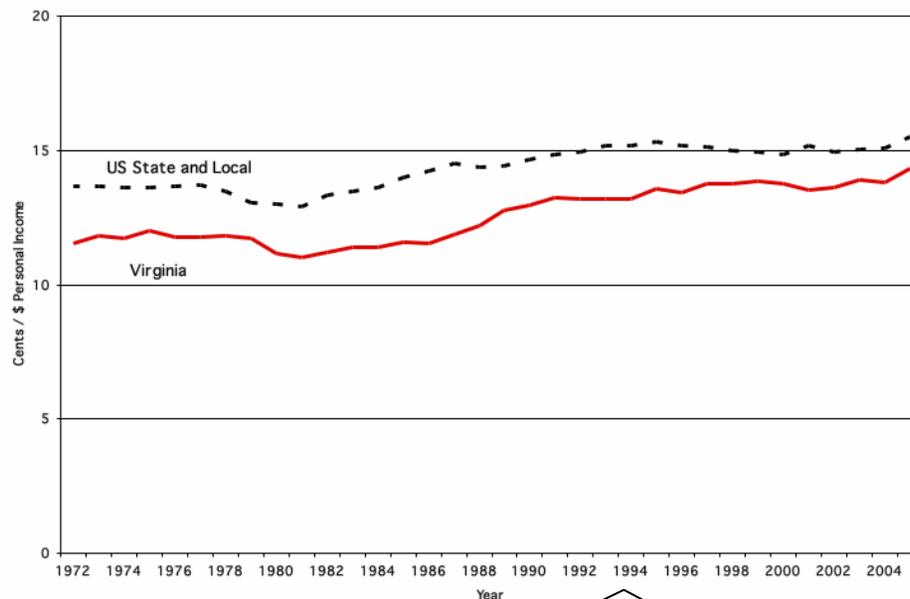


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“More with Less”

Taxpayers Consistent on “Price” Willing to Pay for Government

Virginia’s “Price” of State/Local Government
Cents/\$ Personal Income



Despite increased investments needed for education, healthcare, public safety and transportation, Virginia’s historical tolerance for public investments hovers below **15%**

Beyond “Best Managed State”

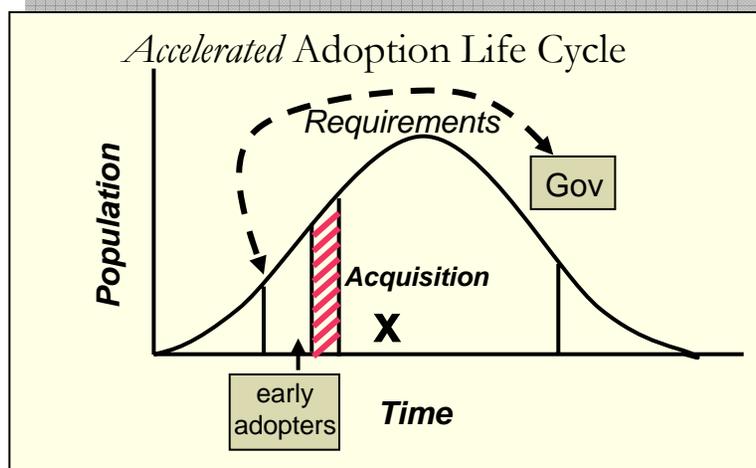
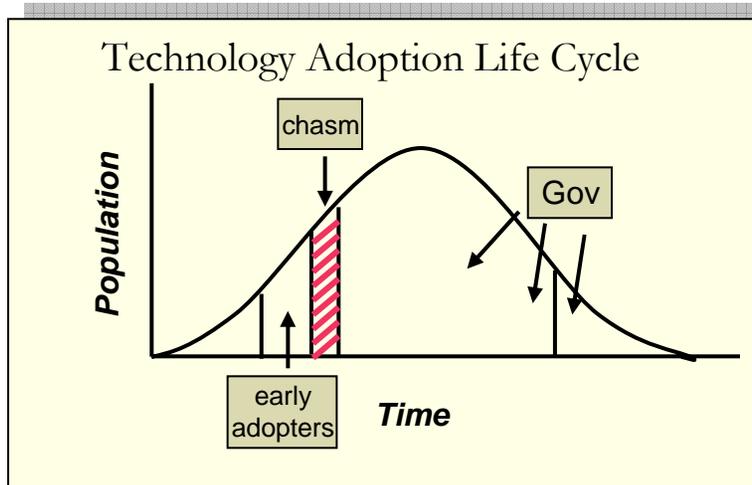
“Our goal is to be the best managed state, but also to **go beyond** – to measure state government against the best business organizations. All highly effective organizations **regularly review** their budgets and procedures, constantly looking for ways to improve and implement best practices.

-Governor Kaine July 2007 Budget Memo

Additional investments should be funded (at least in part) by **savings generated within existing programs** – re-allocating under-performing assets one budget tool to consider



Public Sector Innovation Adoption Holds Promise to Drive Efficiency



Source: Modified from Crossing the Chasm by Geoffrey A. Moore, 1991

Productivity Investment Fund in Brief

Capital: Governor Kaine established **\$3M** fund in **January 2007** to simplify government operations

Goals: In addition to **operating cost savings**, PIF encourages agencies to **lower constituent transaction time** and advance the Governor's **key performance measures**

Competition: Only **25%** of all qualified agency applications earned funding

Portfolio: Across two rounds, we are expecting a **6-1 ROI** on **\$1.4M** invested to fund the following savings initiatives:

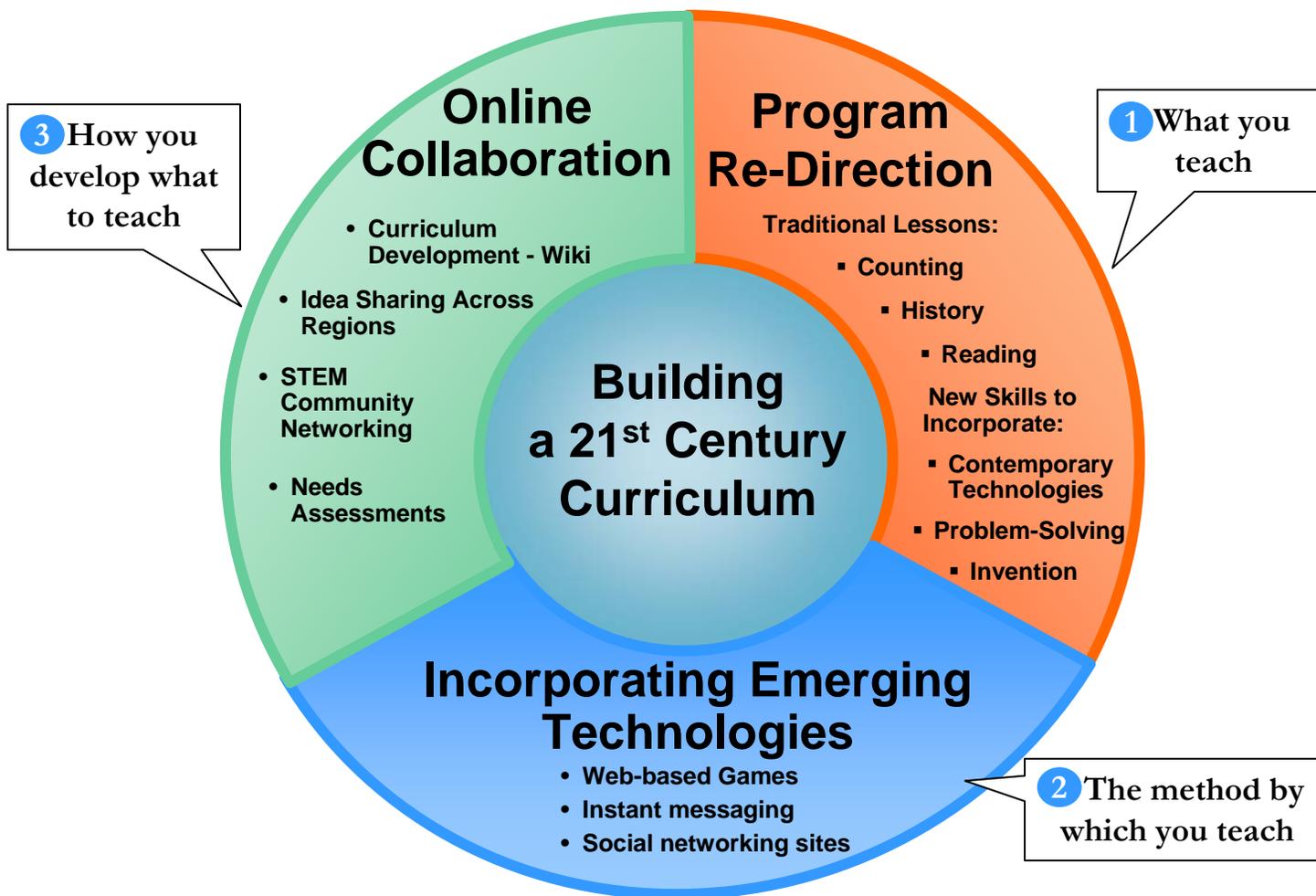
- DGS: Consolidated Mail
- DMV: Workforce Mgmt System
- DMME: Field GIS
- Dept of Tax: Image Cash Letter
- Dept of Tax: Corporate E-File
- Dept of Tax: Eliminate Vouchers
- ODU: VIDEO-D-U



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Framework for Reform

A Comprehensive Approach to Educational Innovation

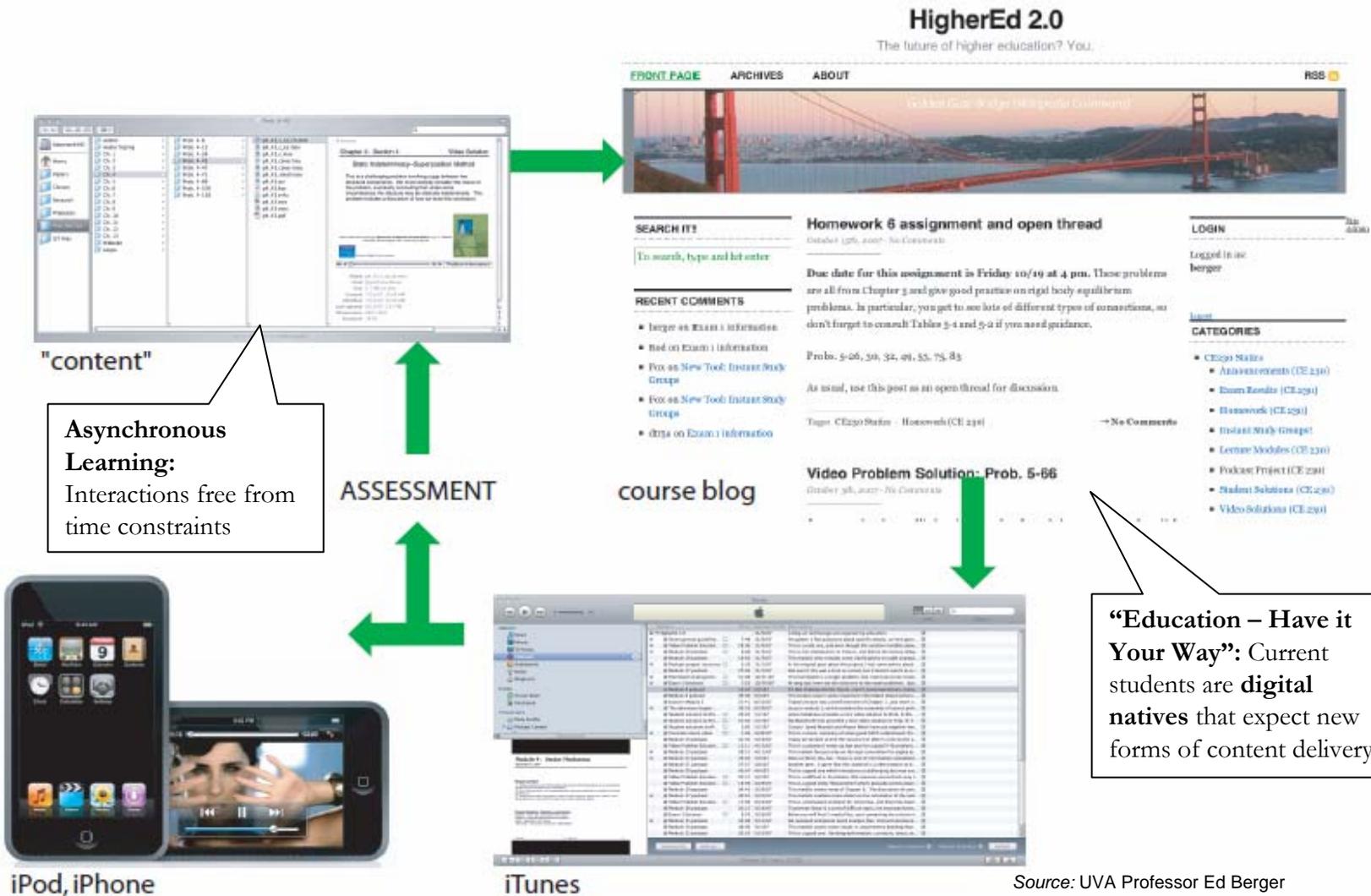




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Online Collaboration

HigherEd 2.0 a National Model to Evaluate Web 2.0 in the Classroom



Asynchronous Learning:
Interactions free from time constraints

“Education – Have it Your Way”: Current students are **digital natives** that expect new forms of content delivery



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Creating a Culture of Educational Innovation

DOE Leads the Way with ~25% of all Productivity Fund Applications

“Proof of Concept”

Description

Efficient Educational Operations

“**Google Classroom**” proposes to save IT costs and introduce newer “web 2.0” services using open source tools; “**Green Schools**” proposes a sensor network to detect when rooms are empty or computers are not in use to implement energy savings

Uncovering Hidden Talent

“**QRIS 2.0**” advances the quality agenda by partnering with **AOL** to facilitate parent “ratings and reviews” of pre-K programs; **PlugGED In** offers innovative 6-month course to connect adult education students (18-25) to technology jobs through collaboration between DoE, VCCS, VCU, UVA-Wise and private sector

Spirit of Commonwealth

“**PATT**” encourages teachers to text message students, parents to strengthen communication and relationships; **Learning without Boundaries** explores emerging hand-held devices as resources to improve student learning and collaboration skills



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Spirit of Commonwealth

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