

# Summary of 21<sup>st</sup> Century Learning for FCT



## Arrowhead Union High School (AUHS) Facilities Community Taskforce (FCT)

January 17<sup>th</sup>, 2011

<http://www.21stcenturyskills.org>

# WHY IS 21<sup>st</sup> CENTURY LEARNING SIGNIFICANT TO THE TASKFORCE?



WHAT IS 21<sup>ST</sup> CENTURY LEARNING?

WHY IS IT IMPORTANT?

HOW IS IT IMPLEMENTED?

WHERE IS 21<sup>ST</sup> CENTURY LEARNING HEADING?

HOW WILL STUDENT'S 21<sup>ST</sup> CENTURY LEARNING TOOLS INFLUENCE EDUCATIONAL FACILITY NEEDS?

WHICH 21<sup>ST</sup> CENTURY LEARNING ISSUES IMPACT FCT?

WHAT RECOMMENDATIONS FOR ALIGNMENT?

# What is 21<sup>st</sup> Century Learning?

## Key Skills Defined

### LEARNING & INNOVATION

- Creativity & Innovation
- Critical Thinking & Problem-solving
- Communication & Collaboration

### LIFE & CAREER

- Flexibility & Adaptability
- Initiative & Self-direction
- Social & Cross-cultural Skills
- Productivity & Accountability
- Leadership & Responsibility

### INFORMATION & TECHNOLOGY

- Information Literacy
- Media Literacy
- ICT Literacy

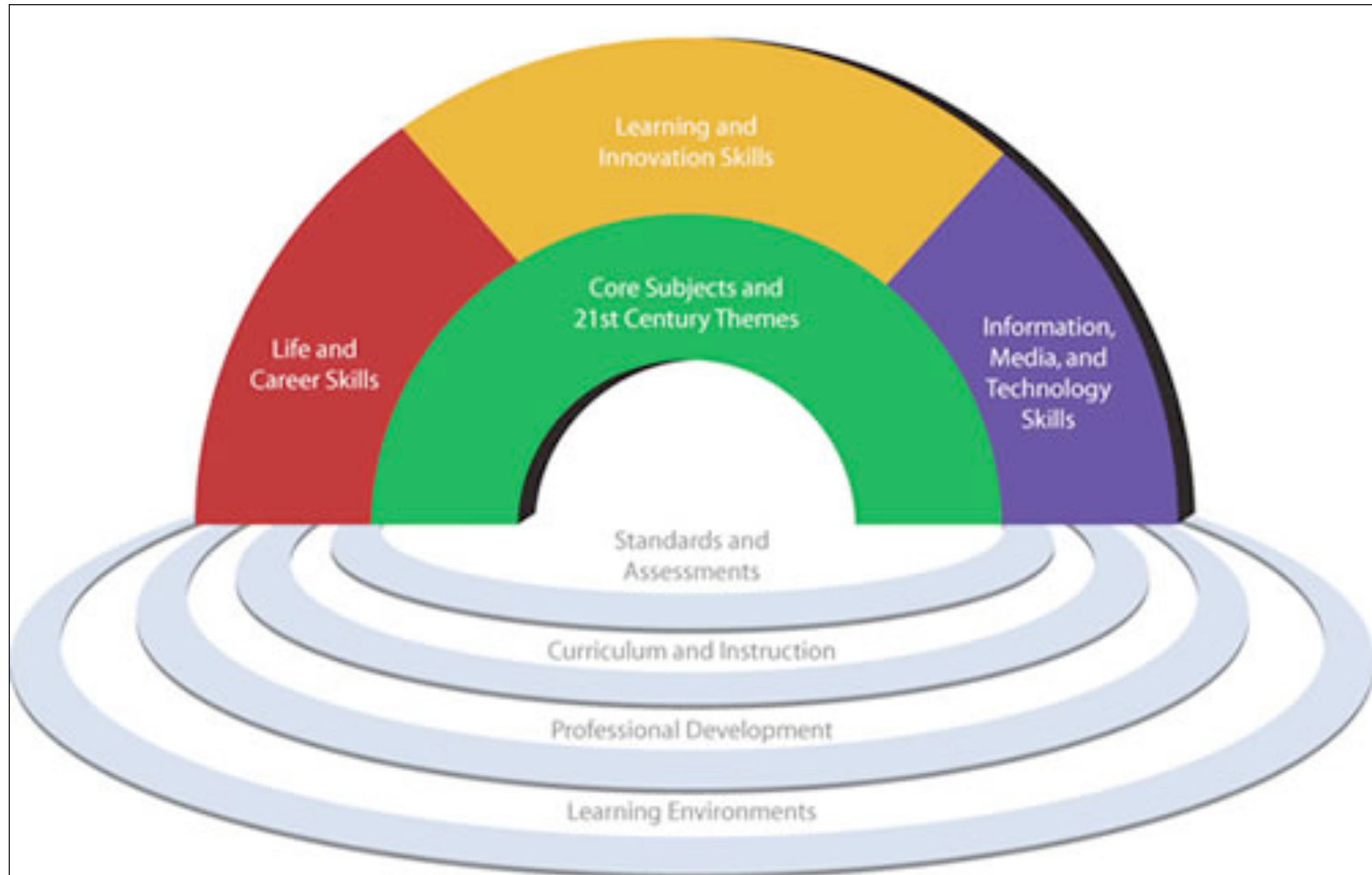


PARTNERSHIP FOR  
21ST CENTURY SKILLS

***The Partnership for 21st Century Skills advocates for tools and resources to help the U.S. education system keep up globally by fusing the three Rs and four Cs (critical thinking and problem solving, communication, collaboration, and creativity and innovation).***

# Why is 21<sup>st</sup> Century Learning Important?

## Partnership for 21st Century Skills



# How is 21<sup>st</sup> Century Learning Implemented?

## Key Elements to 21st Century Learning

- To learn collaboration, work in teams.
- To learn critical thinking, take on complex problems.
- To learn oral communication, present.
- To learn written communication, write.
- To learn technology, use technology.
- To develop citizenship, take on civic and global issues.
- To learn about careers, do internships.
- To learn content, research and do all of the above.



# Where is 21<sup>st</sup> Century Learning Heading?

## Key Elements – In Practical Application

- Project Based Collaboration mobile and global interactive groups any size, anytime or anyplace...Facebook...Texting...Twitter
- Communication skills influenced by New Media and Technology
- Technology “learn and use” challenged by exponential growth
- Global Citizenship a concept or real time reality on a mobile device
- Careers how do you prepare for a career that may not exist today
- Research info access & storage vs. data application & manipulation
- Needs facilities recommendation influenced by the Future not Past
- Technology growing influence validated by corporate investment and historical trends in the marketplace



# Where is 21<sup>st</sup> Century Learning Heading?

## Student Tech Trends Difficult to Dismiss

### 1980's FOUNTAIN

- Network Infrastructure
- Content Challenges
- Electric Outlet
- Personal Computer
- Laptop
- Microsoft
- Outlook e-mail
- Systems Integration
- Application Developm't

### 21<sup>st</sup> CENTURY GROWTH

- G4 Mobile Cloud
- Streaming On-Demand
- Battery Life
- Mobile Device
- Tablet
- Google Android
- Facebook
- Open Sys Touch Screen
- Create an App for That



# How will Student's 21<sup>st</sup> Century Learning Tools Influence Facilities?

- Mobile Devices on 4G replace old network infrastructure
- Open Campus mobility creates field learning for students
- Podcast /Skype expands and complements the lecture hall
- E-book Tablet impact on research, libraries and text books
- Modular Open Space dynamic/changeable over classroom
- Adaptability global access to knowledge base diversifies curriculum, any subject presented in real time anyplace



“The way we design new schools, and alter our existing spaces, is absolutely core to how we are able to harness learning technology and introduce new thinking around learning.”

- Ewan McIntosh [edu.blogs.com](http://edu.blogs.com)





# Which 21<sup>st</sup> Century Learning Issues Impact FCT?

Physical Expansion balanced with redesign and upgrade  
Education's growing attention Govt/Public/Corp/Higher Ed  
Scalability serve 10 or 100 students at the same fixed price  
Remote Learning 2004 online education surpassed Higher-Ed  
Learning Tools no longer too costly to distribute to students  
Mobility changes the definition of a learning environment  
Student/Technology 21<sup>st</sup> Century's least predictable variable



# Recommendations to Help FCT Align with 21<sup>st</sup> Century Learning Initiatives

## Assumptions

Educators will define and facilitate learning concepts

Students create practical implementation methods/tools

Readiness for 21<sup>st</sup> Century Learning as a FCT Measurement

## Recommendations

- Consider how the learning concept is defined for AUHS
- Ensure facility changes won't limit any future options
- Evaluate specific learning facilities around the world that embrace the 21<sup>st</sup> Century mindset of the next generation
- Create a practical vision and recommendations based on measurable trends of influencing factors (social, economic and technological) for the 21<sup>st</sup> Century in our community