





Connections – The Faculty to Curriculum Relationship

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Why is this personal?



Wake County Public Schools

-  Sycamore Creek Elementary School – Year Round
-  Durant Road Middle School – Year Round
-  Plug for quickly building the new one that feeds the elementary
-  I'm famous at Sycamore Creek

Overview

- What is the curriculum?
- What are the instructional strategies?
- How do the spaces look that support those strategies?

Preparing Future-Ready Students for the 21st Century






The guiding mission of the North Carolina State Board of Education is that every public school student will graduate from high school globally competitive for work and postsecondary education and prepared for life in the 21st century. To that end, the North Carolina State Board of education adopted policy to bring the infusion of 21st century skills to scale across the state.

North Carolina




International education is the way to prepare a **globally competent workforce**. It is about preparing students — pre-kindergarten through college — to be citizens, workers and leaders in the global age of **the 21st century**.

http://ciu.northcarolina.edu/wp-content/uploads/2010/06/NCWorld_ActionPlan.pdf

Preparing Students for the World: Final Report of the State Board of Education's Task Force on **Global Education** 2013 North Carolina State Board of Education

-  We aren't preparing students for a global tomorrow; North Carolina **is global today**.
-  Pilot programs won't cut it. Preparing globally competent graduates requires a comprehensive approach.
-  To prepare our students for the world, we need to prepare their teachers.

Final Report of the State Board of Education's Task Force on Global Education 2013 North Carolina State Board of Education

-  North Carolina was once a leader in language learning. It's time to return to the pole position.
-  Schools need peers and partners to move this agenda.
-  If it's not sustainable, it's not a strategy.

So What are 21st Century Skills?



21st Century Skills: Student Outcomes

- Life and career skills
- Learning and innovation skills
 - Critical thinking
 - Communication
 - Collaboration
 - Creativity
- Information, media, and technology skills
- Core subjects – 3 Rs and 21st century themes

www.p21.org/our-work/p21-framework






Life and Career Skills

- Adapt to change
- Be flexible
- Manage goals, time, & projects
- Work independently, positively, & ethically
- Be self-directed learners
- Interact effectively with others
- Work effectively in diverse teams
- Produce & be accountable for results
- Multi-task
- Participate actively & professionally
- Collaborate & cooperate

Learning and Innovation Skills

- 🌐 Think creatively
- 🌐 Work creatively with others
- 🌐 Implement innovations
- 🌐 Reason effectively
- 🌐 Use systems thinking
- 🌐 Make judgments & decisions
- 🌐 Solve problems
- 🌐 Communicate clearly
- 🌐 Collaborate with others

Information, Media, and Technology Skills

-  Access & evaluate information
-  Use and manage information
-  Analyze media
-  Create media products
-  Apply technology effectively

Core Subjects – 3 Rs and 21st Century Themes

- English
- World languages
- Arts
- Mathematics
- Economics
- Science
- Geography, history, government and civics
- Global awareness
- Financial, economic, business, & entrepreneurial literacy
- Civic literacy
- Health literacy
- Environmental literacy

How Does One Teach 21st Century Skills?

- **Consider problem-based learning –**
 - **Grounded in content knowledge**
 - **Multidisciplinary**
 - **Real-world, relevant**
 - **Creative**
 - **Collaborative**
 - **Solution-based**

- **Incorporate global awareness**
 - **Access beyond the school walls**
 - **Communication with other cultures**
- **Provide teacher support –**
 - **Professional development**
 - **Professional modeling of collaboration, creativity, and community**
 - **Time and space for collaboration**

Brain Friendly Strategies

- The brain grows through problem solving
 - Projects
 - Problem-based learning
- Students need to discuss or explain information to make it their own
 - Collaboration
 - Social connection, relationship
- Music alters brain chemistry
- Movement reinforces learning

Brain Friendly Strategies

- Emotion drives attention & affects learning
 - Group interaction / Relationships
 - Humor
- The person who is doing the work is the person who is learning
 - Presentations: Students take ownership of their learning, use multiple modalities, and teach others (medical model: learn, do, teach)
 - Collaboration

**So how should 21st
Century Learning
Environments Look?**

What's Wrong with this Picture?

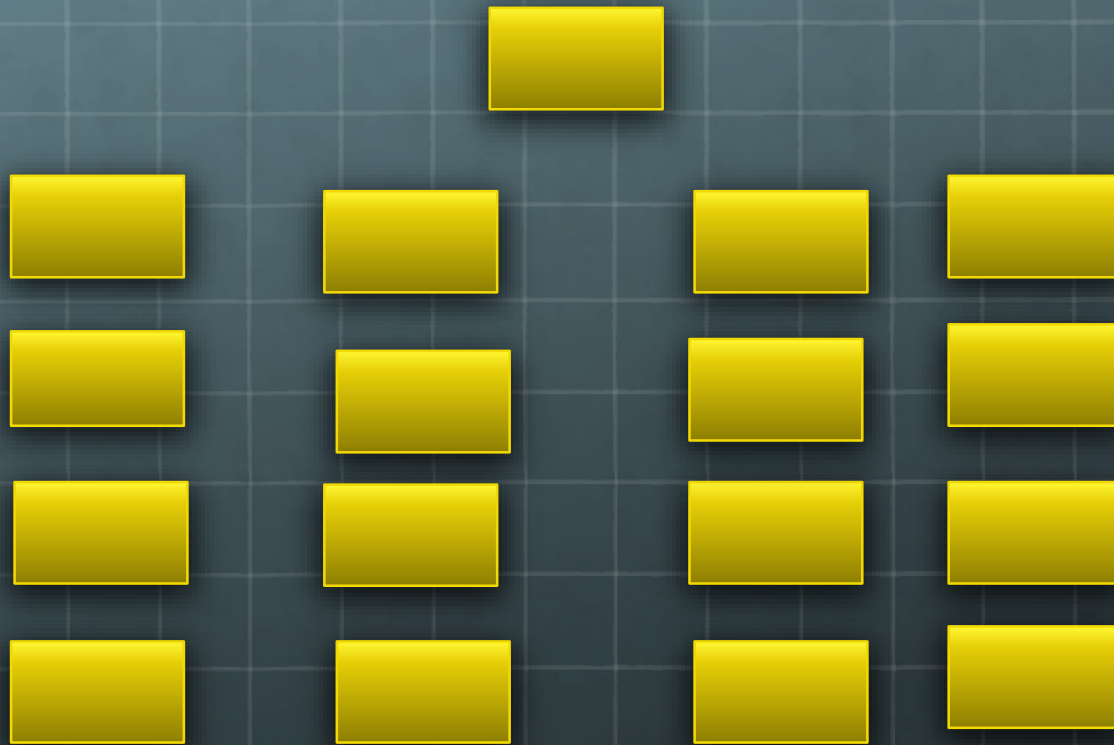










Table Talk

-  Discuss types of spaces that can support the instructional strategies needed for 21st century skills
-  Share




Thoughts to consider

-  Does the school need a dedicated cafeteria?
-  Does the school need a dedicated library?
-  Does the school need a traditional classroom?
-  In what kinds of spaces can students do what?

**So What Kind of
Furnishings Work Best
in This Environment?**



Table Talk

-  Discuss types of furnishings that can support students and teachers for a 21st century environment
-  How will they fit in the spaces you have identified?
-  Share

Challenges and Anticipated Changes






- 🌐 “Doing School” when weather closes schools
- 🌐 On-line learning coursework is already required in several states
- 🌐 Second language development and global conversations
- 🌐 Limited funds and different funding source will continue for maintenance
- 🌐 Year-round school
- 🌐 Early College Programs
- 🌐 STEM/STEAM

Characteristics of Educational Specifications

- They are the responsibility of the educators.
- They should be based on a predetermined educational program.
- They should state the educators' concept of facility and program needs and leave methods of satisfying the needs to the design professionals.
- They should be free of rigid prescriptions. They are concise and to the point.
- They are best developed through the involvement of educators, and community representatives.

<http://www.schoolclearinghouse.org/pubs/EDSPECS.PDF>

Website References

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Equal Access

