



What skills do your children need
in the 21st Century?

How is CISD preparing them for the future?

- **We “simply cannot continue... preparing students for the farms and factories of yesterday while the world jumps to light speed with biotechnology, nanotechnology, neurotechnology, global high speed wired and wireless network, and incredibly powerful personal portable devices. We strongly believe that schools must prepare kids for the world of tomorrow- the world where they will spend the rest of their lives (Kelly, McCain and Jukes, 2009).”**



- **We believe that the 21st century marketplace requires a different mindset.**



- **What are the skills required for success in the 21st century marketplace?**
 - **The ability to inquire, think critically, and gain knowledge.**
 - **The ability to innovate and create.**



- **What are the skills required for success in the 21st century marketplace?**

- **The ability to solve complex problems.**
- **The ability to communicate effectively through multiple media.**



- **What are the skills required for success in the 21st century marketplace?**

- **The ability to think globally.**

- **The ability to collaborate.**

- **Digital Learners**



- **We believe that the 21st century student needs a learning environment integrated with contemporary learning tools, commensurate with current technology.**



Technology

- **Adaption vs. transformation**

The teacher must become comfortable and allow students to utilize technology in the classroom.

- **Where we were, where we are, where we are going....**

Matching funds



2005

- Laptops
- Printers
- Scanners
- Teacher web pages
- Email
- CD's for programs
- Computer lab
- Alpha Smarts

Technology Integration Specialists were added to each campus in 2004 – 2005 school year.

2010

• Instructional

- Smartboards
- Smart Response Systems
- iPods, Shuffles, iTouches
- Broadcast stations
- Digital cameras in classrooms
- Many web based applications (Skype, Jing, Ning, Google Earth, Webspiration etc.)
- Mounted Projectors
- Distance Learning
- Flip Video Cameras
- Interwrite Pads
- Kidspiration/Inspiration software
- Document Cameras
- Blogging on Teacher web pages
- 3 student computers in elementary classrooms
- Netbooks
- Sound recording software for podcasting
- Home Access Center/ Blackboard
- Online Lesson Planning

• Contemporary Learning Tools from Destiny

- Library Manager
- One Search
- Webpath Express
- Standards Search

• Hardware

- ipod Carts for Apple Products
- Wireless mice and keyboards
- Wireless system

- **Alan November**
- **Club 21**
- **NTH@ Coppell**
- **Academies at CHS**



- **We believe that 21st century learning requires 21st century assessment tools.**



Assessments

- **Traditionally- summative only**
- **Focus on growth/mastery of content based on data collected**
- **Move to formative assessment to focus on individuals, customize and guide instruction-provide feedback from teacher to student**
- **Growth model Performance Series**
- **Pre/Post Assessments in all content areas**
- **Common Assessments**
- **Equip students so they are motivated and engaged intrinsically.**



- **We believe that 21st century learning should be a dynamic, creative and engaging experience.**



This We Believe...Now We Must Act

- **Dynamic...Creative...Engaging**
 - **Active; Not Passive Experiences**
 - **Physical**
 - **Mental**
 - **Emotional**
 - **More “Minds-on” than “Hands-on”**
 - **Whole Brain**
 - **Data Driven**
 - **Purpose Driven**
 - **Personalized; Not One Size Fits All**



This We Believe...Now We Must Act

- **Whole School Approach**
 - **NTH@Coppell**
 - **Middle School Re-structuring**
 - **Elementary Campus-Based PLCs**
- **School Within A School Approach**
 - **CHS International Baccalaureate Diploma Program**
 - **CHS Academies**
 - **STEM Academy**
 - **EMAC Academy**
 - **Public Service Academy**
 - **Virtual/Online & Blended Courses**



This We Believe...Now We Must Act

- **Curriculum Approach**
 - **Aligned with TEKS**
 - **Aligned with Rigor, Relevance and Relationships**
 - **Concept-Based**
- **Classroom Instruction Approach**
 - **Staff Development Emphasis on Engagement**
 - **Problem/Project Based Learning**
 - **Inquiry Based Learning**
 - **Differentiated Instruction**
 - **PLCs**



- **We believe that the 21st century demands a new level of literacy.**



Key Cognitive Skills

- **Intellectual Curiosity**
- **Reasoning**
- **Problem Solving**
- **Academic Behaviors**
- **Work Habits**
- **Academic Integrity**





Elementary School Research Topics

- **Problem/Project Based Learning**
- **STEM**
- **Thinking Maps**
- **IB**



Literacy

Multimedia Literacy

Quantitative Literacy

Technological Literacy

Communication Literacy

- Web Literacy**
- Core Curriculum Literacy**



- **A vision of K-12 learners today.**

