



TIE CONFERENCE PREVIEW CREATIVITY AND INNOVATION

WRTech Meeting, March 14, 2008

Presented by Kris Baldwin



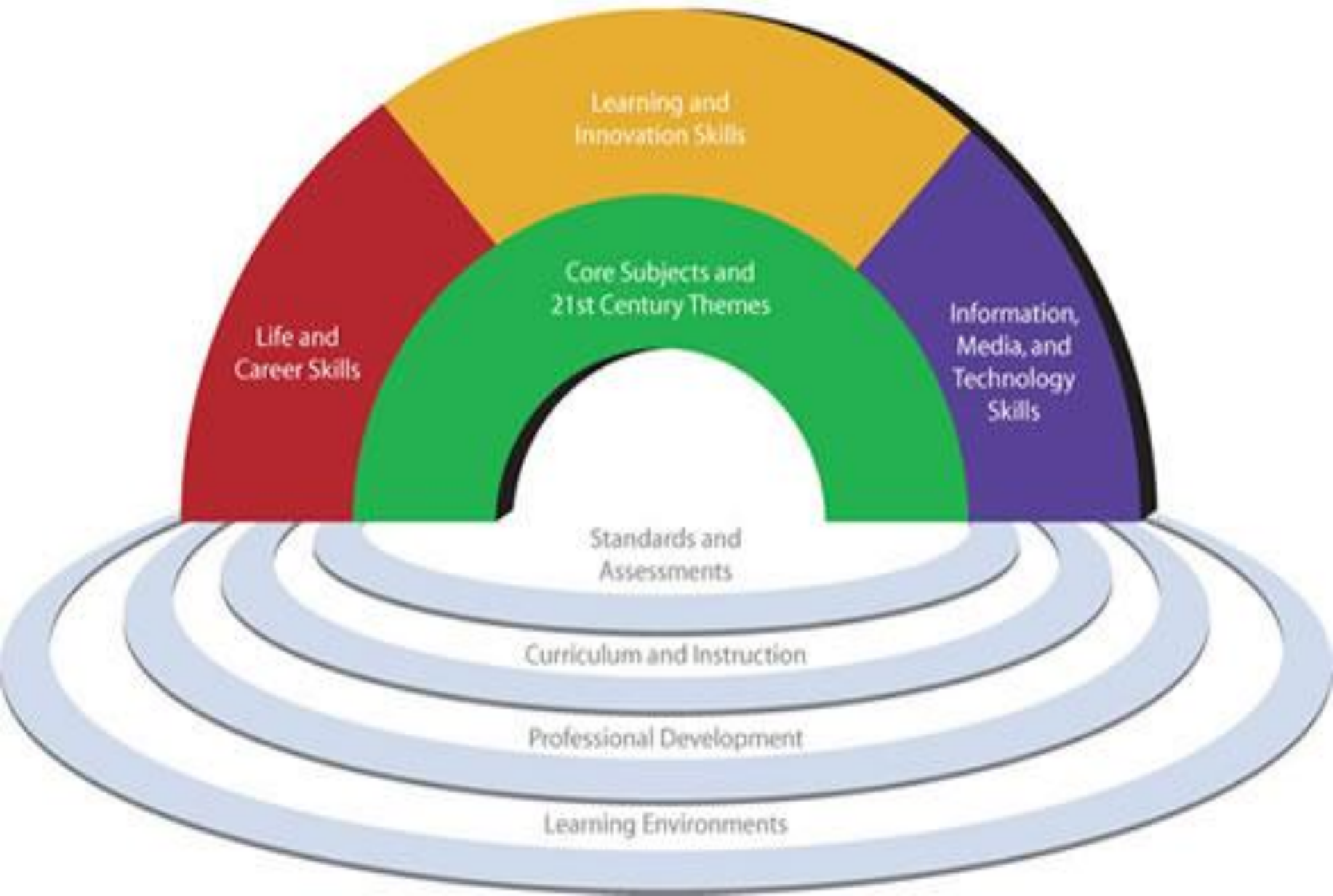
TIE Conference Strands

- ❑ One-to-One Computing
- ❑ 21st Century Skills
- ❑ Educational Leadership/Administrators
- ❑ Emerging Technologies
- ❑ Math/Science
- ❑ Language Arts/Social Studies
- ❑ Technology across the curriculum

1-2-1 Computing

- Using Wikispaces as a Communication Tool
 - ▣ [Teacher](#) Generated, [Student](#) Generated
- A Day in the Life
- Teaching with OneNote
- Save the Trees! Working Toward a Paperless Classroom
- One student. One computer. One great way to learn
 - ▣ Today's learners have grown up in a **digital world**. They are **hyper communicators**, expert technologists, and **active learners**. **Engaging** these students and making education **relevant** is critical. A 1 to 1 learning program is about creating a **21st century learning** environment.

PARTNERSHIP FOR 21ST CENTURY SKILLS



21st Century Skills

□ Web 2.0

- iGoogle

- 2nd Life

- PhotoStory

□ WebCT

□ Internet Safety

□ Cyberbullying

□ Digital Natives



Jackie Jessop Rising, Kris Baldwin, and Julie Mathiesen attend a seminar in SL.

Technology in NCLB

- To improve student academic achievement through the use of technology in elementary schools and secondary schools.
 - To assist every student in crossing the digital divide by ensuring that **every student is technologically literate** by the time the student finishes the eighth grade, regardless of the student's race, ethnicity, gender, family income, geographic location, or disability.
 - To encourage the **effective integration of technology** resources and systems with **teacher training and curriculum development** to establish research-based instructional methods that can be widely implemented as best practices by State educational agencies and local educational agencies.

Educational Leadership/Administration

- ❑ Meeting NCLB Requirements - Effective Reading and Math Intervention Solutions R U Hooked Up?
- ❑ Assessment: Do For the Student Not To The Student
- ❑ Curriculum Mapping: Moving on and Making Use of the Data with PLCs
- ❑ What just happened at that meeting? What caused it to go so well?
- ❑ Online Options – Expand your Curriculum (SD Virtual School)
- ❑ Technology Professional Development in Your School

The Pew Info

- There is a widening gap between techno-savvy students and their schools
- Many schools and teachers have not yet recognized – much less responded to – the new ways students communicate and access information over the Internet
- Students want more and more engaging internet activities at school that are relevant to their lives

SD Educational Technology Standards

○ **Strand 1: Nature and Concepts**

- Understand history and progression of technology in relation to the development & design of future technology.
- Analyze relationships and connections between technologies in different fields of study and how they apply to communities.
- Understand and use the design process in problem solving.

○ **Strand 2 – Social Interactions**

- Understand the safe, ethical, legal, and societal issues related to technology.
- Investigate the advantages and disadvantages of technology.

○ **Strand 3 – Information and Communication Tools**

- Use technology to enhance learning, extend capability, and promote creativity.
- Evaluate and select information tools based on appropriateness to tasks.

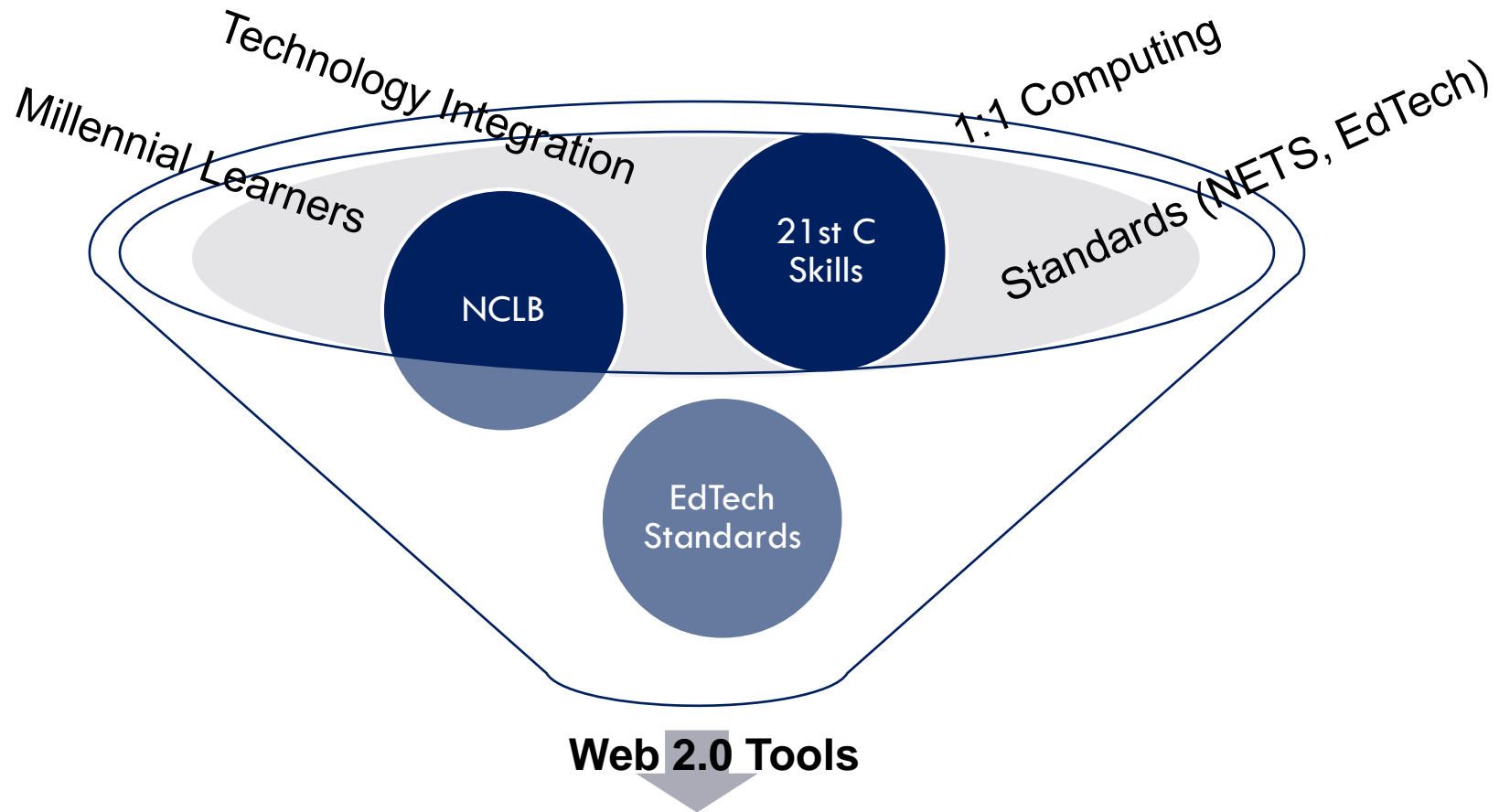
○ **Strand 4 – Information and Communication Processes**

- Understand purpose of information technologies to communicate with a variety of collaborators.
- Exchange information and ideas for an identified purpose through information technologies.

○ **Strand 5 – Information Literacy and Decision Making**

- use technology to locate and acquire information.
- determine the reliability and relevancy of information.

Teaching and Learning Today



Creativity and Innovation

Emerging Technologies

- Office 2007
- Introduction to Windows Server 2008
- Is Open Source Right For Your District
- Teaching and Learning Through Podcasting
- Epson Wireless Projectors
- Intro to Mac OS X 10.5 'Leopard'
- Microsoft Data Protection Manager 2007
- Distance Learning and Telemedicine Loan and Grant Programs
- Mac/ Windows Interoperability
- Utilizing a PocketPC enabled Smart Phone
- Fun Reflection on 22 Years of Technology in SD Schools
- Mac Intel update
- Help! I need a Website!
- The past year at the State of South Dakota K-12 Data Center
- Network Access Protection --- Validate computers BEFORE they connect to your network
- Podcasting 101
- Del.icio.us: A marvelous social bookmarking tool for educators
- State of the DDN

The New WWW



Whatever

Whenever

Wherever

“We can engage [students] in the joys of learning, of making meaning, of being part of something larger than themselves, of testing themselves against authentic challenges.

We can shift them from passivity and consumption to action and creativity.”

Technology across the curriculum

Math/Science/Language Arts/Social Studies

- Tablets
- Google Docs
- Geometer's Sketchpad
- SMARTboard
- TI Interactive
- Widgets
- Applets
- OneNote
- KidPix
- Guitar Hero
- Rock Star
- Podcasting
- Interactiv Board
- Garage Band
- Thinkfinity
- 4teachers.org

Technology Integration

“Integrating technology is not about technology – it is primarily about content and effective instructional practices.

Technology involves the tools with which we deliver content and implement practices in better ways. Its focus must be on curriculum and learning.

Integration is defined not by the amount or type of technology used, but by **how and why** it is used.”

Rodney Earle, 2002

- Keynote Speakers
 - ▣ Listen to the interviews with Pat and Allison
- SDSTE Strand
- 1 to 1 Computing Strand
- 21st Century Skills Strand

Speakers

**Pat McGill**Sun Apr 6th
6:45 - 8:00 PM
Ballroom A**Tim Tyson**Mon Apr 7th
8:15-9:30 AM
Ballroom A**Allison Knox**Tues April 8th
8:15 - 9:30 AM
Ballroom A**Jo Hartmann**Tues Apr 8th
12:40-1:35 PM
Ballroom A

TIE Member benefits—reduced registration fees and a free registration for an administrator or school board member. This is a great opportunity to have your fellow school leaders on the same page.

Introducing School 2.0

- Listen to this 3 minute clip from Dr. Tim Tyson, middle school principal.

<http://edcommunity.apple.com/ali/item.php?itemID=11842>

According to some South Dakota High School Students

- Less than 50% of their time is spent on
 - ▣ Community/work-based projects or internships
 - ▣ Hands on/laboratory activities
 - ▣ Small group collaboration to find collective solutions
 - ▣ Providing input on classroom activities or topics
 - ▣ Explaining their thinking in essay form
 - ▣ Working on complex problems
- More than 50% of their time
 - ▣ Working individually answering questions

enGauge 21st Century Skills

Digital-Age Literacy

- Basic, Scientific, Economic, and Technological Literacies
- Visual and Information Literacies
- Multicultural Literacy and Global Awareness

Inventive Thinking

- Adaptability, Managing Complexity, and Self-Direction
- Curiosity, Creativity, and Risk-taking
- Higher-order Thinking and Sound Reasoning

Academic Achievement

Effective Communication

- Teaming, Collaboration, and Interpersonal Skills
- Personal, Social, and Civic Responsibility
- Interactive Communication

High Productivity

- Prioritize, Plan, and Manage for Results
- Effective Use of Real-world Tools
- Relevant, High-quality Products

By NCREL/Metiri Group

<http://www.metiri.com/features.html>

Four things that hold us back from innovating,

or that make us get innovation a bit wrong:

- 1. Thin-slicing**
- 2. Fear=loathing?**
- 3. Overplanning**
- 4. "Why bother?"**

Kids are changing. The 16 year old in 2007 is entering the employment market with only internet-age experiences on which to rely (the internet came into being in 1991). The six year old entering elementary school expects the web to allow them to publish and share their views with the world.

http://edu.blogs.com/edublogs/2007/03/so_motivating_y.html



TIE Membership Benefits 2008-09

- Free online professional development and workshop on DVD
- Free technical training from New Horizons
- Free admin/school board member TIE Conference
- Discounts and special offers from vendor partners
 - New partnership with Apex Learning
 - netTrekker, Atomic Learning, Discovery Streaming
- Data analysis tools
- Reduced cost for contract work





Thank you and have a great day!

Please complete the evaluation at my wikispace:

<http://kbaldwin.tie.wikispaces.net/>

Look under the presentations link for

WR Tech Meeting

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