

RtNCA

Using Technology to Support
Teaching & Learning

Today's Presenters

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Superintendent

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K-8 Technology Integrationist &
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West Central School District



- Located just west of Sioux Falls area -
Hartford, Humboldt, Ellis, and Wall Lake
communities
- 3 campus sites
- Student population - 1,320 enrolled
PreK-12
- Certified Staff count - 90 (100% highly
qualified)



West Central School District



- West Central High School & Humboldt Elementary – School of Distinction for NCLB
- ACT scores consistently above state and national averages

Purpose for sharing today

To spotlight the highs and lows of making systemic change in delivery of content and curriculum using technology



/ NCA's Review

📌 March 15-18, 2009

📌 Improve the application of technology to support teaching and learning

📌 Infrastructure is causing problems with weak connections which can make learning cumbersome and frustrating

📌 Teachers overwhelmingly want to utilize more technology in the classroom, but felt they met a “delay of game” when working with computers



/ NCA's Review

- Quality of materials needs to be improved
- Lab space is a concern that was voiced by students, teachers, and community members
- Technology plan needs to be a working document that seeks feedback from the various stakeholders
- For students to develop 21st century skills, technology throughout the district must be addressed

Our Action Response

- Study of 1:1 school districts through doctoral dissertation, Fall of 2008–Summer 2009



Conclusions

- 🌐 School leaders need to establish a clear vision of the one-to-one initiative and make sure all stakeholders are on board with that vision.
- 🌐 The school district needs to make a local fiscal investment to the initial and ongoing financing of the one-to-one initiative.
- 🌐 The one-to-one initiative provides a more engaging, real-world learning environment for students.
- 🌐 The one-to-one initiative facilitates the teacher meeting diverse learning needs of students.
- 🌐 School leaders need to be diligent in developing and implementing policy and procedure that supports the one-to-one initiative, specifically ongoing professional development.

Recommendations for Practice

- 🌐 School districts need to engage in a long-term planning process that involves all stakeholders when they begin a one-to-one initiative.
- 🌐 In order to implement a one-to-one initiative, school districts need to plan for professional development that has two parts, initial intensive training and onsite, ongoing support.
- 🌐 School districts need to make a plan to invest local dollars to finance the one-to-one laptop initiative.
- 🌐 School districts should expect that students learning will be impacted by higher levels of student engagement and meeting the needs of diverse learners.

Our Action Response

- Study of 1:1 school districts through doctoral dissertation, Fall of 2008-Summer 2009



- Hire technology integrationists, Spring 2009, implementation to begin Fall 2009 (some training Summer 2009)



- Administrative visit to Smoky Valley, KS, (Apple Distinguished School) Spring 2009



Our Action Response

- Purchase of 14 Promethean Boards,
Summer 2009



- Purchase of Macbooks for staff,
Summer 2009



- On-going Professional Development,
begins Summer 2009 - present



Our Action Response

- Stakeholder communication, Fall 2009



- STAT 21 – Tech Integrationists
Professional Development, 2009–10
School Year



- Second Administrative visit to Smokey
Valley, KS, Fall 2009



Our Action Response

- Worked with the state to facilitate increased bandwidth, Fall 2009/Spring 2010



- Decision made to go with Mac platform for 1:1 with HS students 9-12, Fall 2009/Spring 2010



- HS Staff visits to Watertown to observe implementation of Mac platform, Fall 2009/Spring 2010



Our Action Response

- Partnered Professional Development -
ESA & TIE, Spring 2010



- Gallery Walk - share out of tech
integration projects, Spring 2010



- Staff visit to Newell-Fonda, IA,
Spring 2010



Our Action Response

- Hired Help-Desk Technician, Spring 2010



- Administrative and team planning for 1:1 initiative implementation, Spring 2010



- 1:1 & Project Based Learning Professional Development, Spring/Summer 2010



Our Action Response

- Student 1:1 Roll Out, Fall 2010



- Growing Pains, Fall 2010



- Baseline HS Student Survey Response, Fall 2010

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