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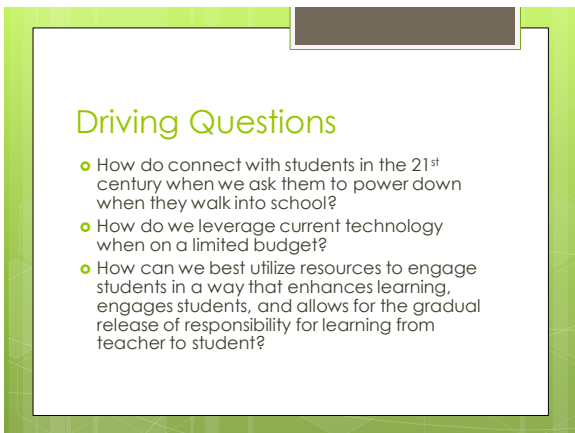
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### Tech Plan Goals

- Students will meaningfully apply technology skills to collaborate, create, innovate, and communicate.
- Through collaborative professional development, staff members will be connected learners who initiate and participate in global learning opportunities and applications for students.

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### Tech Plan Goals - continued

- Stakeholders will benefit from consistent and reliable access to technology that will be used to expand learning and communication.
- The district will continue to build collaborative relationships to transform teaching and learning experiences for students, staff, families, and the community.

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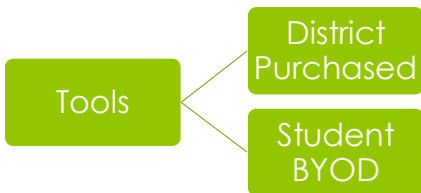
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Philosophy – We don't want kids to power down while at school



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## Considerations

- Infrastructure
- Training
- Appropriate Use Policy revisions

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## Timeline-Focus on Infrastructure

- Dell Simplification Project
  - New Firewall with Content Filtering – October 2010
  - Core Switch Upgrades Winter – Winter 2010-11
  - Wireless Upgrade at Middle and High Schools – March 2011
  - Microsoft Active Directory Migration – April 2011
  - Service Desk Upgrade – Fall 2011
  - Elementary Wireless Upgrade – Summer 2012

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## Timeline – Focus on Training

- Pioneer Training – Summer 2010
- Intel Essentials – 2009-2011 School Years
- Stoneware Pilot – Spring 2011
- 21<sup>st</sup> Century Learning Vision – March 2011
- Stoneware Rollout – Fall 2011
- Moodle, LifeSize, SMART tools – ongoing

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## Devices

- Cell Phones – BYOD
- Tablets – BYOD
- Laptops – BYOD
- Netbooks – district provided (limitations)
- Laptops – district provided
- Desktops – district provided (limitations)

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School Perceptions Survey – Spring 2010  
*Our district provides students with excellent access to technology while at school.*

	All	Staff	Non-Parents	Parents
Strongly Agree/Agree	57%	88%	41%	87%
Disagree/Strongly Disagree	7%	12%	7%	8%
Don't Know	36%	0%	52%	5%

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School Perceptions Survey – Spring 2010  
*Our district excels in integrating technology into the students' learning experience.*

	All	Staff	Non-Parents	Parents
Strongly Agree/Agree	53%	88%	37%	83%
Disagree/Strongly Disagree	8%	7%	7%	10%
Don't Know	39%	5%	56%	7%

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# Student and Staff Technology Survey SDNB Open Network and BYOD April, 2011

n = 441 students      n = 104 staff

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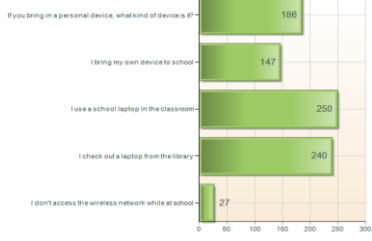
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**How do you access the wireless network while at school?**



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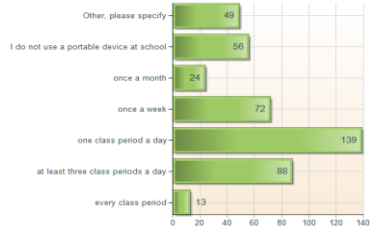
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**How often do you use portable media devices (laptop, iPad, smartphone, etc.) during the school day to access material that you use for learning?**



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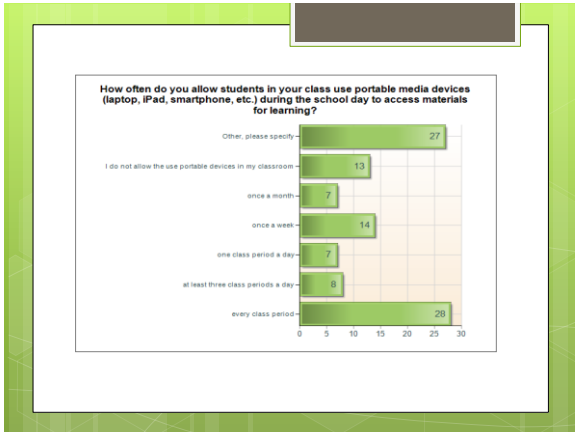
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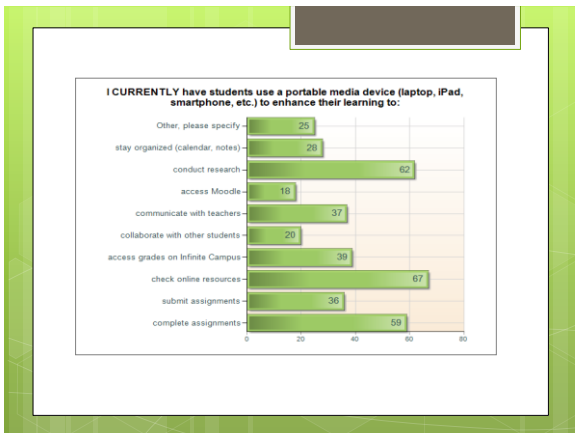
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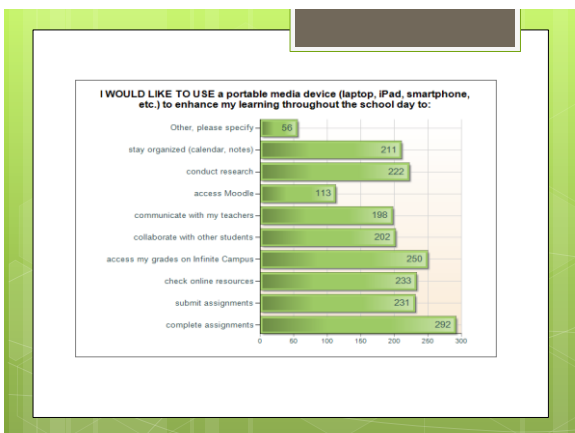
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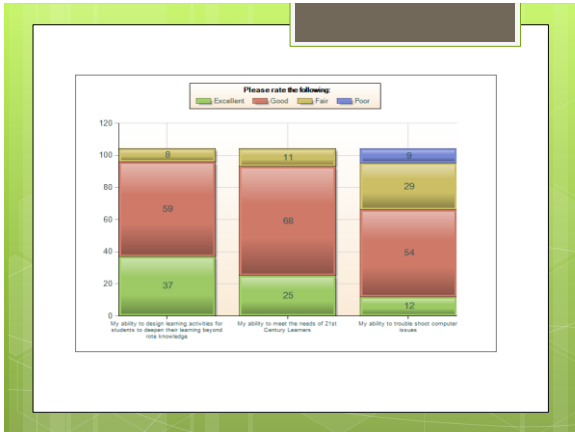
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- ### Benefits
- Cost savings
  - Convenience
  - Empowering students and staff through personal device satisfaction
  - Personalized
  - Cost savings
  - Increased productivity
  - Cycle of replacement
  - Cost savings

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- ### Challenges
- Initial cost of upgrading wireless
  - Loss of network access during school day
  - Training – staff and student
    - End user needs
  - Security, higher risk for infection
  - Theft or loss of personal devices
  - Incompatibility – multiple platforms and applications
  - Netbooks - limitations

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### Student Perspective

- Zach - sophomore
  - Personal device – learning on “My Terms”
    - AcDec – all in one device
      - PDF, note taking, recording processes
    - Reading – iBooks
    - Essay writing
    - US History
      - Notes and charting

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### Student Perspective

- Efficiency
  - Charting/Notetaking
  - Autocorrecting
  - Recording abilities – hear what teachers are saying
- Google content (to help teachers)
  - Can individualize to each students understanding
- Encouraging teachers to find other ways to use technology

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### Student Perspective

- Jake -
  - How do you use your device?
    - Take notes
    - Review PDF's
    - Highlight documents
    - Take notes within documents
    - Respond to questions/PDF
  - Send assignments from/to teachers for evaluation
  - Keep everything with you at the same time ... all stored on the i-pad

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## Student Perspective

- How does this change learning for you?
  - Vocabulary ... online look-up ... Highlight the term ... Wikipedia ... go back to work
  - Learning real time Instant communication
  - Participation in online forum ... to a 24/7 concept
  - Community sharing

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## Staff Perspective – Emily

### Emily Dethloff – High School Science

- Current Use
  - Tools
  - Quick access /Answers
  - Connection to class resources
  - Location, Location, Location
  - Going Green
  - Organization
  - Access to other devices
  - Communication

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## Teacher Perspective

- Challenges
  - Expertise in "devices"
  - Inappropriate use
- Future Use
  - Communication
  - Response Tools

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## Staff Perspective

**Jacole Lane – Middle School Math/Science**

### Student Advantages

- Easy access to all course materials
- Preview content
- Student engagement
- Self monitor grades & progress

### Teacher Advantages

- Use Moodle
- Online labs & simulations
- Students willing (even eager) to be guinea pigs
- Students ask permission

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## Staff Perspective

### Lessons Learned

- Technology expectations must be explicitly discussed & enforced
- The novelty wears off
- Different technology expectations for different classes
- Plan B

### Challenges

- New applications
- Time consuming (up front)
- At times log-in/timing issues
- Small screens on netbooks

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## Administrator Perspective

- Staff Communications – [see presentation](#)
  - Purpose
  - Monitoring
  - Professional Development
- Parent Communications
  - Purpose
  - Need versus want
  - Safety of information/filtering/monitoring
- Student Communications - [see presentation](#)
  - Acceptable Use versus Appropriate Use
  - Purpose of BYOD for students
  - Learning versus other uses
  - Timelines/Expectations

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## Thank you!

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    - twitter - larrylnb
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  - [jacole.lane@nbexcellence.org](mailto:jacole.lane@nbexcellence.org)

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