


MPS – BOE Work-Session Tech Discussion

October 7, 2015



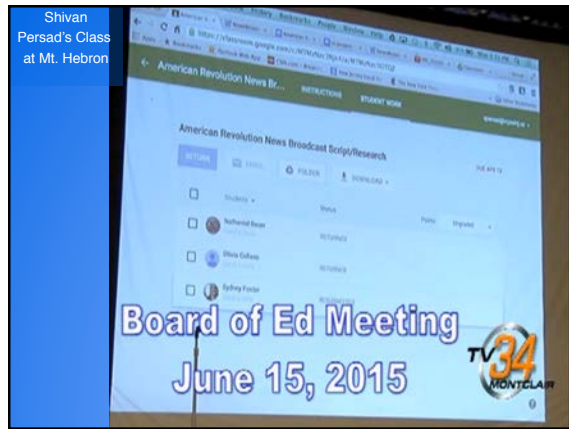
NJ Technology CCCS – 8.1 (2014): All students will use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and

Technology Presentation Items

- Teacher/Student presentations
- Technology K-5 Scope & Sequence
- K-5 District Technology Curriculum
- Google (GAFE) accounts for elementary
- Technology Plan 4- points



Shivan
Persad's Class
at Mt. Hebron



Board of Ed Meeting
June 15, 2015

Lei Liang and Google
Classroom in MHS

Google Classroom

'More Teaching, Less Tech-ing'



MPS – Technology Plan Points

- Goal 1: Curriculum and Prof. Dev.
- Goal 2: Technology Organization Chart
- Goal 3: Enterprise Technology Systems
- Goal 4: Governance Policies

MPS – Technology Plan Points

Goal 1: Curriculum and Prof. Dev.

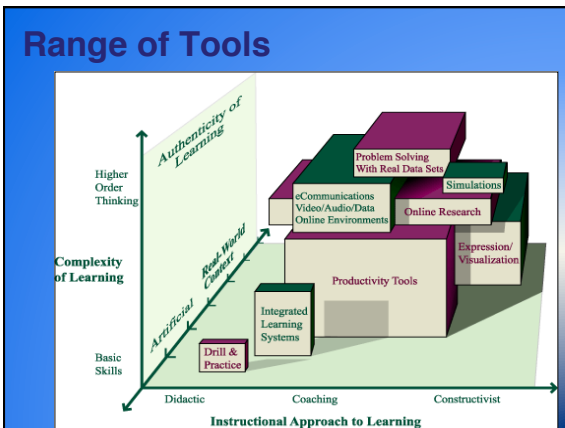
Scope & Sequence Based on NJ-CCCS 8.1

The screenshot shows the New Jersey Department of Education website. The main heading is "New Jersey Core Curriculum Content Standards" for "Technology". Below this, it lists "Sue Sullivan, Coordinator" and states that the standards consist of 8.1 Educational Technology and 8.2 Technology, Engineering, Design and Computational Thinking. A quote from the International Society for Technology in Education is also visible: "Advances in technology have drastically changed the way we interact with the world and each other. The digital age requires that we understand and are able to harness the power of technology to live and learn".

Scope and Sequence Overview

Page	Content Standard
2	A. Technology Operations and Concepts: Students demonstrate a sound understanding of technology concepts, systems and operations
4	B. Creativity and Innovation: Students demonstrate creative thinking, construct knowledge and develop innovative products and process using technology.
5	C. Communication and Collaboration: Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.
6	D. Digital Citizenship: Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.
8	E. Research and Information Fluency: Students apply digital tools to gather, evaluate, and use information.
10	F. Critical thinking, problem solving, and decision making: Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.

- ## Quotes from Teachers
- Make Google Drive a workshop for all staff
 - More courses like these during the school year
 - All teachers actually need this training to make good use of GAPE
 - Flubaroo is something all teachers should know how to use!"
 - It was a great idea to have a teacher who used it effectively in her classroom share her work with fellow teachers.
 - Keep running small sessions embedded in PD at our sites
 - Training throughout the year in PD for reinforcing, practicing, sharing – fabulous!
- These classes are excellent!



A. Technology Operations and Concepts

Grades 2-4

Graphing

Geometry Scavenger Hunt Checklist

Name: _____

Eye Color: _____

- right angle
- acute angle
- obtuse angle
- cylinder
- cube
- sphere
- pyramid
- plane
- line segment
- line
- vertex
- 3 types of quadrilaterals
- geometric pattern
- similar figures
- line of symmetry
- intersecting lines
- perpendicular lines
- parallel lines

B. Creativity and Innovation
Grade 5: Biomes



Collaborative Learning | Adaptation Level | Science

C: Communication & Collaboration
Grade 3:
African Water Crisis

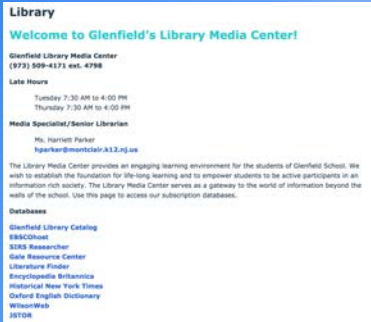


Authentic Learning | Infusion Level | Social Studies

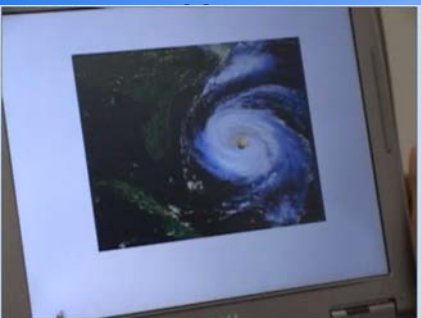
D: Digital Citizenship
All Grades



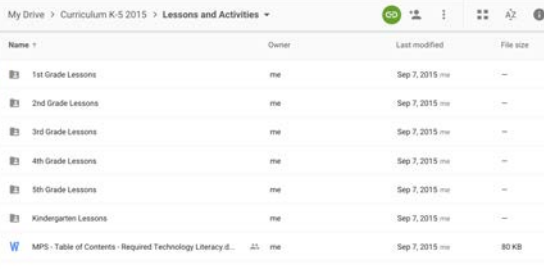
E: Research and Information Fluency:
All Grades – Authoritative Databases



F: Critical thinking, problem solving, and decision



Built Library of Lesson Plans



Name	Owner	Last modified	File size
1st Grade Lessons	me	Sep 7, 2015	—
2nd Grade Lessons	me	Sep 7, 2015	—
3rd Grade Lessons	me	Sep 7, 2015	—
4th Grade Lessons	me	Sep 7, 2015	—
5th Grade Lessons	me	Sep 7, 2015	—
Kindergarten Lessons	me	Sep 7, 2015	—
MPS - Table of Contents - Required Technology Literacy d...	me	Sep 7, 2015	80 KB

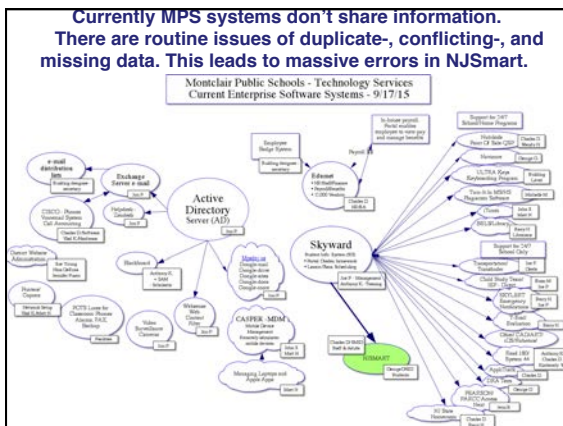
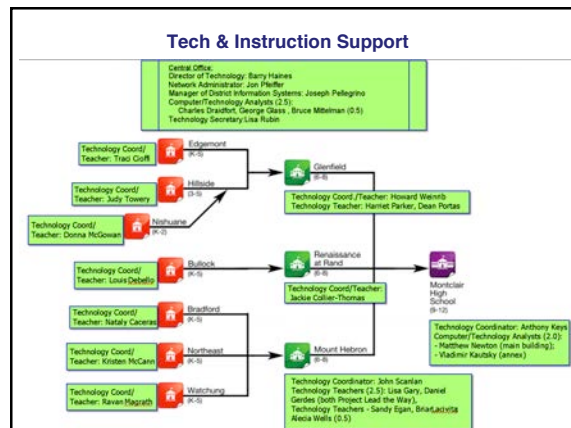
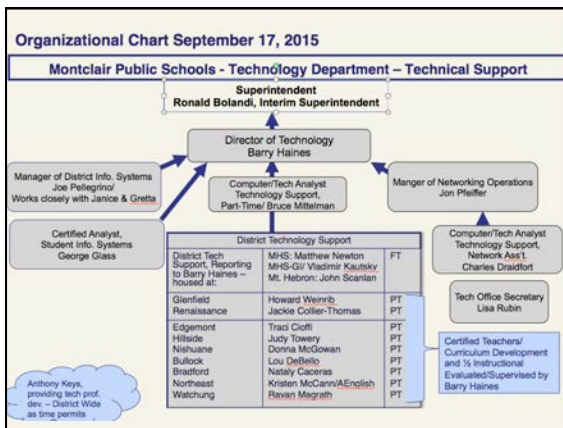
Florida Technology Integration Matrix

Elementary: 3-5

<p>Entry</p> <ul style="list-style-type: none"> Active - Social Studies: <i>Fertile Crescent</i> Active - Language Arts: <i>Keyboarding Skills</i> Collaborative - Math: <i>Bar Graph Assessments</i> Collaborative - Science: <i>States of Matter</i> Collaborative - Language Arts: <i>Story Visualization</i> Constructive - Math: <i>Multiplication Practice</i> Constructive - Science: <i>Lungs: Large Individual and Community Choices</i> Constructive - Social Studies: <i>Geography Review</i> Authentic - Math: <i>Math Skills Practice</i> Goal-Directed - Math: <i>Practicing Fractions</i> Goal-Directed - Social Studies: <i>Organizing Data Assessment</i> Goal-Directed - Language Arts: <i>Reading Assessment</i> <p>Adoption</p> <ul style="list-style-type: none"> Active - Math: <i>Mini-Lesson Assessment</i> Active - Science: <i>Water Cycle Webquest</i> Active - Social Studies: <i>Historical Fiction Graphic Organizer</i> Collaborative - Math: <i>Electronic Base Ten Blocks</i> Collaborative - Science: <i>States of Matter</i> 	<ul style="list-style-type: none"> Collaborative - Social Studies: <i>Spanish Explorer Presentation</i> Constructive - Language Arts: <i>Fluency Assessment</i> Authentic - Science: <i>Word of the Day: Science</i> Authentic - Social Studies: <i>This Day in History</i> Goal-Directed - Math: <i>Plotting Decimals on a Number Line</i> Goal-Directed - Social Studies: <i>Digital Portfolio</i> Goal-Directed - Language Arts: <i>Planning with Inspiration</i> <p>Adaptation</p> <ul style="list-style-type: none"> Active - Social Studies: <i>Freedom Quilt Square</i> Collaborative - Math: <i>Fraction Video</i> Collaborative - Science: <i>Biomimicry</i> Collaborative - Social Studies: <i>Recycling PSA</i> Constructive - Math: <i>Graphing Motion</i> Constructive - Social Studies: <i>American Revolution Culminating Event</i> Goal-Directed - Social Studies: <i>Community Service Budget</i> Goal-Directed - Language Arts: <i>Planning with Inspiration</i> <p>Infusion</p>	<ul style="list-style-type: none"> Active - Science: <i>Culminating Presentations</i> Collaborative - Math: <i>Adding and Subtracting Fractions</i> Collaborative - Science: <i>Space Exploration</i> Collaborative - Social Studies: <i>Photo Essay</i> Constructive - Science: <i>The Ducklings Have Hatched</i> Constructive - Social Studies: <i>Country Creation</i> Authentic - Social Studies: <i>African Water Crisis</i> Goal-Directed - Language Arts: <i>Digital Daily Planner</i> <p>Transformation</p> <ul style="list-style-type: none"> Active - Math: <i>Base Systems</i> Active - Social Studies: <i>Virtual Vacation Travel Journal</i> Active - Language Arts: <i>Poetry Podcast</i> Constructive - Math: <i>Student Project</i> Constructive - Language Arts: <i>Podcasting</i> Constructive - Science: <i>Invention Convention Podcast</i> Goal-Directed - Math: <i>Fraction and Decimal Review Podcast</i> Goal-Directed - Science: <i>Public Service Announcement</i>
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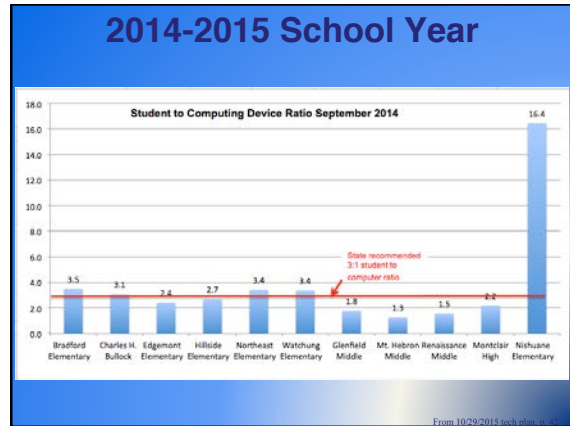
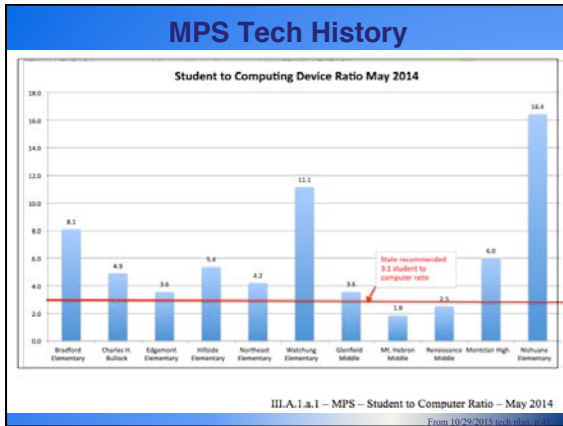
MPS – Technology Plan Points

Goal 2: Technology Organization Chart



MPS – Technology Plan Points

Goal 3: Enterprise Technology Systems



Goal 3: Technology Systems

Budgeting for obsolescence/replacement

Student Devices

- \$280,000 each year for a 6/7 year obsolescent rate

Teacher/Admin Devices

- \$144,000 each year for a 6/7 year obsolescent rate

Projection Devices

- \$156,000 each year for a 6/7 year obsolescent rate

Total = \$580,000 annual commitment

Wireless Considerations

All schools use mobile wireless access points for internet connection. If you don't have one of these plugged in to a live port in your classroom, you don't have internet access.

MPS – Technology Plan Points

Goal 4: Governance Policies

Including: Rights and Privileges and District Policies and Contracts Governing Computer & Internet Use

Program Polices/Regulations:

- 2360 Use of Technology
- 2361 Acceptable Use of Computer Networks/Computers and Resources
- R2361 Acceptable Use of Computer Networks/Computers and Resources

Teaching Staff Members Policies/Regulations:

- 3282 Use of Social Networking
- 3321 Acceptable Use of Computer Network(s)/Computers and Resources
- By Teaching Staff Members
- R3321 Acceptable Use of Computer Network(s)/Computers and Resources
- By Teaching Staff Members

Support Staff Members Policies/Regulations

- 4282 Use of Social Networking Sites
- 4321 Acceptable Use of Computer Network(s)/Computers and Resources
- by Support Staff Members
- R4321 Acceptable Use of Computer Network(s)/Computers and Resources
- by Support Staff Members

Pupils Policies/Regulations

- 5512.02 Cyber-Bullying
- 5516 Remotely Activating Communication Devices – Pagers & Cellular Telephones