

# Gettin' "Techie" With It!



## **The 21<sup>st</sup> Century Technology Team**

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# Benefit to student learning- why and how does technology help?

## **A Vision of K-12 Students Today**

Students will use engaging technologies in collaborative, inquiry-based learning environments with teachers who are willing and able to use technology's power to assist them in transforming knowledge and skills into products, solutions, and new information.

# Common Core Standards K-3



**Grades K-2 Writing Standard 6:** With guidance and support from adults, explore a variety of digital tools to produce and publish writing, including in collaboration with peers.

**Grade 3 Writing Standard 6:** With guidance and support from adults, use technology to produce and publish writing (using keyboarding skills) as well as to interact and collaborate with others.

**Grade 3 SL Standard 5:** Create engaging audio recordings of stories or poems that demonstrate fluid reading at an understandable pace. Add visual displays to emphasize or enhance certain facts or details.

# Common Core Standards 4-5



**Grade 4 Writing Standard 6:** With some guidance and support from adults, use technology, including the Internet, to produce and publish writing as well as to interact and collaborate with others; demonstrate sufficient command of keyboarding skills to type a minimum of one page in a single sitting.

**Grade 4 SL Standard 5:** Add audio recordings and visual displays to presentations when appropriate to enhance the development of the main ideas or themes.

**Grade 5 Writing Standard 6:** With some guidance and support from adults, use technology, including the Internet, to produce and publish writing as well as to interact and collaborate with others; demonstrate sufficient command of keyboarding skills to type a minimum of two pages in a single sitting.

**Grade 5 SL Standard 5:** Include multimedia components (e.g., graphics, sound) in visual displays in presentations when appropriate to enhance the development of main ideas or themes.

# Common Core College and Career Readiness Anchor Standards

**Speaking and Listening K-12:** Make strategic use of digital media and visual displays of data to express information and enhance understanding of presentations.



# Projects and Websites

SPENCERPORT CENTRAL SCHOOL DISTRICT

Home » District » Instruction » 21st Century Technology Team

## 21ST CENTURY TECHNOLOGY TEAM

### 21st Century Technology Team

We are excited to introduce our 21st Century Plan, as we develop a predictable learning experience for our students and work to ensure consistency at each building. This plan focuses on promoting 21st Century learning by meeting the Common Core Learning Standards of publishing writing using technology and supporting the ELA modules.

Throughout the school year, the 21st Century technology team will be supporting teachers as they publish student writing using technology. Each month, the 21st Century technology team will travel to the four elementary schools and will work with specific grade levels on how to use different technology. Each training day will begin with professional development for classroom teachers as well as selected groups of students. The teacher will implement the program, and have the support of an expert group as that happens. Additionally, the 21st Century team will have a bank of resources and training videos available for classroom teachers to use throughout the year.

On October 21, 2013 the 21st Century technology team provided professional development to the fourth and fifth grade classroom teachers. The teachers learned how to use Blabberize as a tool to publish student writing. In the afternoon, the technology team worked to train "expert" groups of students from fourth and fifth grade. They used Blabberize, along with writing they had completed in class, to publish writing in a creative way. They are excited to share their learning with their classmates and look forward to using the program again!

On November 13, 2013 the 21st Century technology team provided professional development to the second and third grade classroom teachers. They also learned how to use blabberize as a publishing tool, and were able to start creating a project already! In the afternoon, the classroom teachers selected students to be trained as the "experts". These students published writing pieces, using blabberize and will share them with their classes. They turned out great!

SPENCERPORT CENTRAL SCHOOL DISTRICT

Home » District » Instruction » Instructional Technology Websites

## INSTRUCTIONAL TECHNOLOGY WEBSITES

XL	UltraVort	Parson SuccessNet	MSL	nooodle
KID	symboloo	CASTLE	Brain POP Jr.	
TIME		Brain POP		
System III	TRUE	TermBook	Stack	Blabberize
				Brain POP

View on Symboloo: Elementary Websites

## Technology Tools

Spencerport Central School District

### 21st Century Pilot Teachers

Karen Gibbs, Elissa Kingsbury, Dana Young, Dana Olsen, Christine Kincaid, Telcie Pincelli, Tracy Zimmerman, Matt Fink

Applications, Tricks, and Exemplars From Our Students

Animoto \* Audacity \* Blabberize \* Glogster \* Go Animate \* Kid Blog \* Max Write \* MS Word \* OneNote \* PhotoStory 3 Showme \* Tagxedo \* Toondo \* Voki \* Video Vault

# Programs and Software



Applications, Tricks, and Exemplars From Our Students

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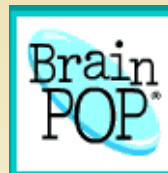
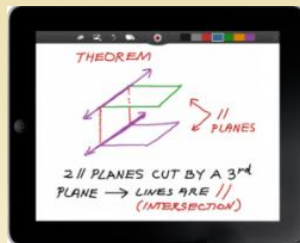
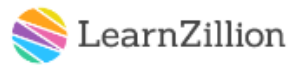


# Technology as a Writing Tool





# Flipped Learning



# History of the Pilot

January-June 2011

- Six pilot teachers (four k-5; one 6-8; one 9-12) 5 enrichment specialists
- 1:1 devices received in March for 6 classrooms
- Monthly Professional Development
- Monthly meetings to collaborate and plan
- Book study and blogged (*21<sup>st</sup> Century Skills* by Bernie Trilling and Charles Fadel)
- Collaborated with other districts to gain insight into how to implement 21<sup>st</sup> Century initiative
- Pilot teachers attended ISTE Conferences
- Presented Spencerport's 21<sup>st</sup> Century Pilot Program at the Administrative Retreat

# History of the Pilot Continued...

2011-2012

- Full implementation with 1:1 initiative in 6 pilot classrooms
- Continued Monthly meeting to collaborate and plan
- Pilot Teachers attended NYCATE Conference
- Monthly Professional Development
- Teachers attended Flipped Learning Conference

# History of the Pilot Continued...

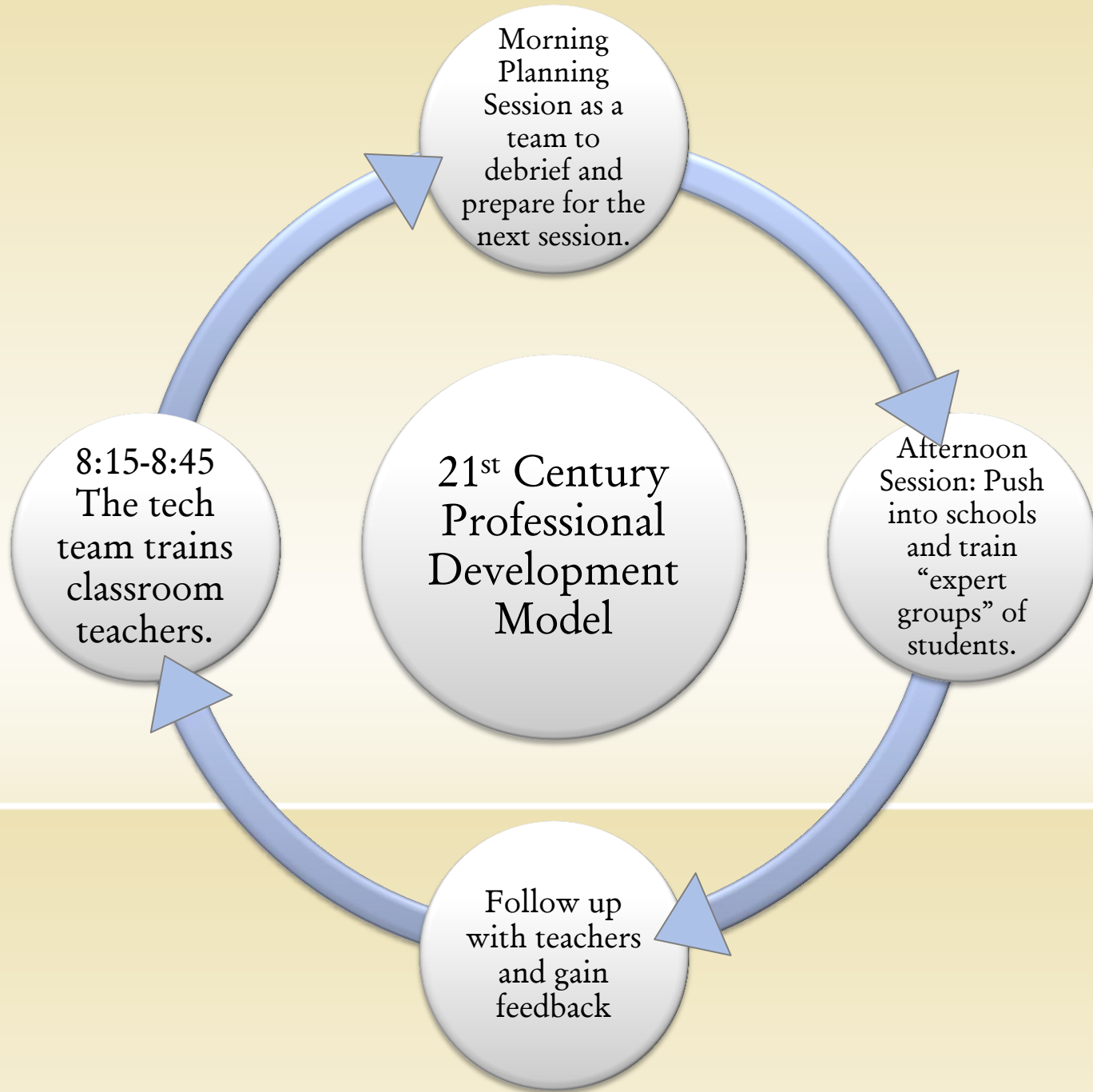
2012-2013

- Phase 1 Pilot Teachers continued with 1:1 devices
- Added second phase of pilot program with 4 additional teachers
- Phase 2 classrooms received iPads, nooks, tablets, notebooks
- Continued to share new technology tools among our pilot group and enrichment specialists

# Current 21<sup>st</sup> Century Pilot Program

2013-2014

- 21<sup>st</sup> Century Technology Team formed (6 pilot teachers and 2 TOSAs)
- 1:1 device plan was modified and devices were re-distributed
- Tech Team provides consistent, predictable professional development and support to colleagues across all elementary schools and grade levels in meeting the Common Core writing standards (three trainings per elementary teacher)
- Provide direct support to students who are selected to be part of expert groups each month



# Technology Configuration K-5

Each room has a Smart Board station.  
Each teacher has a classroom laptop available and a minimum of two additional laptops for student use.

Kindergarten - four iPads in each classroom  
First Grade & Second Grade - sharing one laptop cart  
Third Grade - sharing one laptop cart  
Fourth Grade - sharing one laptop cart  
Fifth Grade - sharing one laptop cart



# Exit Outcomes and NYSUT Rubric

- The district has technology exit outcomes for students. These can be found in your packets.
- The NYSUT rubric identifies the teachers' role, as well as the students' in 21<sup>st</sup> Century Learning.



# What are ISTE Standards

The ISTE (International Society for Technology in Education) Standards are standards for learning, teaching, and leading in the digital age.

These standards align with the new STEM/STEAM Standards and help students, educators and administrators to work together to transform education collaboratively.

## Why are the ISTE Standards important?

- Improving higher order thinking skills such as problem solving, critical thinking and creativity.
- Preparing students for their future in this competitive global job market

# ISTE Standards Continued...

Both the Instructional Technology Specials Curriculum, and the work of the 21<sup>st</sup> Century Technology Team is aligned to the ISTE standards.

- Creativity and Innovation
- Communication and Collaboration
- Research and Information Fluency
- Critical Thinking, Problem solving and Decision Making
- Digital Citizenship
- Technology Operations and Concepts

# Feedback and Conversations: What are we learning?

- Teachers have been receptive and appreciative of the training we have been able to provide. They are being exposed to new programs and ways to integrate these programs cross curricular.
- Teachers have expressed the need for further support through a push in model to ensure every student masters program and is able to transfer knowledge to curricular areas and tasks independently.

# Feedback and Conversations Continued...: What are we learning?

- Teachers have asked for more professional development on programs to gain familiarity with programs and our support for implementation. (45 minutes has felt rushed for some)
- Teachers have experienced challenges when incorporating these programs into their instruction due to inconsistent wireless connectivity, limited access to devices, and intermittent laptop failures.

# Vision: 3-5 Year Plan

- Our students will utilize technology on a daily basis.
- Teachers will continue to receive professional development
- 1 to 1?

# How can the Board of Education provide support?

