




# BRYANT TECH LAB

Past, Present, and Future



## PRIOR TO 2014-2015 SCHOOL YEAR

- Computer lab primarily used for testing
- Primary Grades (K-2) hardly used the computer lab
- Lab used as a place to print writing projects
- No school wide programs such as RAZ kids and PebbleGo were introduced in a formalized class structure
- No integration on education programs for home/class use encouraged school wide.



# TECHNOLOGY INTRODUCED LAST YEAR 2014-2015

- Typing
- PowerPoint
- MSWord
- Publisher
- Coding
- Reading, math, and typing programs available for at home use
- OneNote
- Raz-Kids
- Math Web Sites
- Research Web Sites
- Writing Web Sites
- SBAC Computer Strategies



## HOW DOES IT WORK?

- Every week a proposed email goes to the grade level teams with the agenda for the week. Teachers decide to accept the plan, modify the plan, or change it entirely.

# SAMPLE

The screenshot displays the Planbook.com web application interface. At the top, there's a navigation bar with the Planbook logo and a user profile for 'Ms. Parker'. Below this is a calendar view for November 2015, showing lessons for each day from Monday to Friday. Each lesson entry includes a time slot, a subject (e.g., Thanksgiving II, Thanksgiving), and a list of activities or standards. The interface is designed to be user-friendly, with expandable sections for each lesson to show more details. The bottom of the screen shows a Windows taskbar with various application icons and the system clock indicating 5:11 PM on 12/2/2015.

Monday 11/16/2015	Tuesday 11/17/2015	Wednesday 11/18/2015	Thursday 11/19/2015	Friday 11/20/2015
<b>Sputa 9:35am-10:40am</b> Thanksgiving II Lesson: • Dreambox • type research • Thanksgiving PwrPnt Standards: [E.1.1.2] Use models and simulations to explore systems, identify trends and forecast possibilities. [E.1.2.1] Participate in online projects as a team with others. [E.1.2.2] Locate and organize information from a variety of sources and media. <b>Arrowsmith 11:45am-12:15am</b> Lesson: • Dreambox • type research • Thanksgiving PwrPnt <b>Richard 1:40pm-2:35pm</b> Thanksgiving Lesson: Thanksgiving Card <b>Gallagher 2:40pm-3:40pm</b>	<b>Fahselt 9:35am-10:30am</b> Lesson: • Dreambox • type research • Thanksgiving PwrPnt <b>Bodine 10:35am-11:30am</b> Thanksgiving Lesson: Thanksgiving PwrPnt Standards: [E.1.1.1] Generate ideas and create original works for personal and group expression using a variety of digital tools. [E.1.1.2] Practice skills, explore new concepts and recognize patterns using interactive resources and educational games. [E.1.2.2] Learn about many cultures through digital images and stories from around the world and share relevant information. [E.1.3.1] Build background knowledge and generate questions by viewing multimedia. [E.1.3.2] Organize information using digital tools <b>Jones 12:40pm-1:35pm</b> Create a turkey <b>Kearney 1:40pm-2:35pm</b> Thanksgiving Lesson: Thanksgiving Research Paper <b>Johnson 2:45pm-3:40pm</b> Create a turkey	<b>Matthias 9:40am-10:35am</b> Lesson: Thanksgiving Card <b>Arrowsmith 11:45am-12:15am</b> Halloween persuasive letter <b>Davies 12:35pm-1:35pm</b> Lesson: • Dreambox • type research • Thanksgiving PwrPnt <b>Kereluck 2:40pm-3:40pm</b> Create a turkey Standards: [E.1.1.1] Organize ideas and produce digital products with assistance. [E.1.1.1] Generate ideas and create original works for personal and group expression using a variety of digital tools. [E.1.2.1] Work with others using technology tools to convey ideas or illustrate simple concepts. [E.1.3.2] Organize information using a table, digital template or online tool with assistance. <b>Jones 12:40pm-1:35pm</b> Create a turkey <b>Kearney 1:40pm-2:35pm</b> Thanksgiving Lesson: Thanksgiving Research Paper <b>Johnson 2:45pm-3:40pm</b> Create a turkey	<b>Bernard 9:35am-10:40am</b> Lesson: Thanksgiving PwrPnt <b>Johnston 10:35am-11:30am</b> Lesson: Thanksgiving PwrPnt <b>Salisbury 11:35am-12:35pm</b> Lesson: Thanksgiving Research Paper <b>Benettabe 1:40pm-2:35pm</b> Lesson: Thanksgiving Research Paper Standards: [E.1.1.1] Build background knowledge and generate questions by viewing multimedia. [E.1.2.2] Locate and organize information from a variety of sources and media. [E.1.3.2] Gather information using selected digital resources. [E.1.3.2] Record sources used in research. [E.1.3.3] Choose words and phrases to convey ideas precisely. [E.1.3.4] Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience. <b>Confer 2:40pm-3:40pm</b> Create a turkey	<b>Eeds 12:40pm-1:45pm</b> Lesson: • Dreambox • type research • Thanksgiving PwrPnt <b>Duncan 1:40pm-2:35pm</b> Lesson: Thanksgiving Card <b>Nguyen 2:40pm-3:40pm</b> Lesson: Thanksgiving PwrPnt Standards: [E.1.1.1] Generate ideas and create original works for personal and group expression using a variety of digital tools. [E.1.1.2] Practice skills, explore new concepts and recognize patterns using interactive resources and educational games. [E.1.2.2] Learn about many cultures through digital images and stories from around the world and share relevant information. [E.1.3.1] Build background knowledge and generate questions by viewing multimedia. [E.1.3.2] Organize information using digital tools.



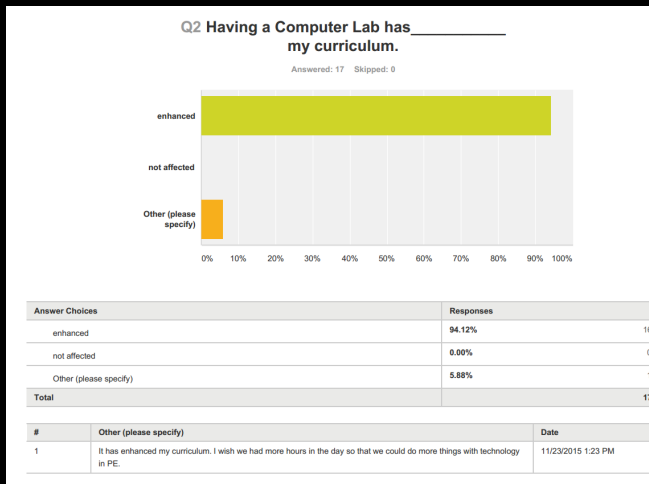
# WHAT CHANGED FROM PRE-TECH LAB YEARS TO HAVING A TECHNOLOGY CLASS?

- Teachers are very flexible in taking a classroom idea and integrating the project in the Technology Lab
- Teachers integrate technology into classrooms and projects via laptops. Skills learned in the Tech Lab are used and practiced in classrooms.
- Typing is faster overall this year and students beginning second grade this year are already familiar with home row keys, logging into the computer and navigating web sites
- The Reading and Math Intervention teams are able to address each student need with adaptive reading and math programs using our current programs introduced in the Technology class
- Examples of programs:
  - RAZ Kids
  - iRead
  - Dreambox
  - Front Row
- Reading, math, and typing programs are available for at home use

# TEACHER SURVEY

FULL SURVEY RESULTS: [TEACHER SURVEY](#)

## Curriculum



- Amazing difference in competence, exposure, confidence
- Increased confidence with using technology, improved typing skills, increased fluency/familiarity with how to use technology, improved math and reading skills from work with educational programs



# SBAC TESTING

## Preparation

- Focused on comfortability with testing tools
- Practiced writing techniques to acclimate students to the reading/typing answers in the test format
- Acclimated students to laptops in the classrooms
- Coordinated all aspects of test set up, student ID tickets and navigating the SBAC system

## Results

- High results for Bryant Elementary
- Students learned different writing/math techniques using online tools
- Laptop usage became common place at Bryant Elementary





## BONUS

- The Technology Coordinator displaced the Tech Support Assistance Onsite and when available, I am able to assist and fix computer issues- able to be first tier onsite assistance
- Different software programs are set up for the classes by me and focused individual training of backend software are given to teachers when desired instead of teachers being burdened with the time to set up and learn a new program
- An after-school program has been created to fund projects in the Computer Lab to be used by all Bryant students
- Currently, I volunteer co-teaching one day a week. Technology Coordinator is 80%



## NEXT STEPS

Build on past skills of students to increase skills and variety of projects

- Keeping Current Programs
- Continued enhanced integration with Primary Teacher
- Introducing STEM related projects
- Outside Math program (ex. Dreambox)
- 3D printing
- Coding