

# HIGH SCHOOL BYOD

May 2, 2016

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# Agenda

- Welcome
- Vision
- Preparation for BYOD
- Q&A

# Why 1:1 in Grades 4-12?

- Living in an age of information
- Computers are essential learning tools
  - Looking up information
  - Analyzing data
  - Collaborating with peers
  - Communicating with others outside of Westborough
  - Creating multimedia projects
  - Demonstrating learning

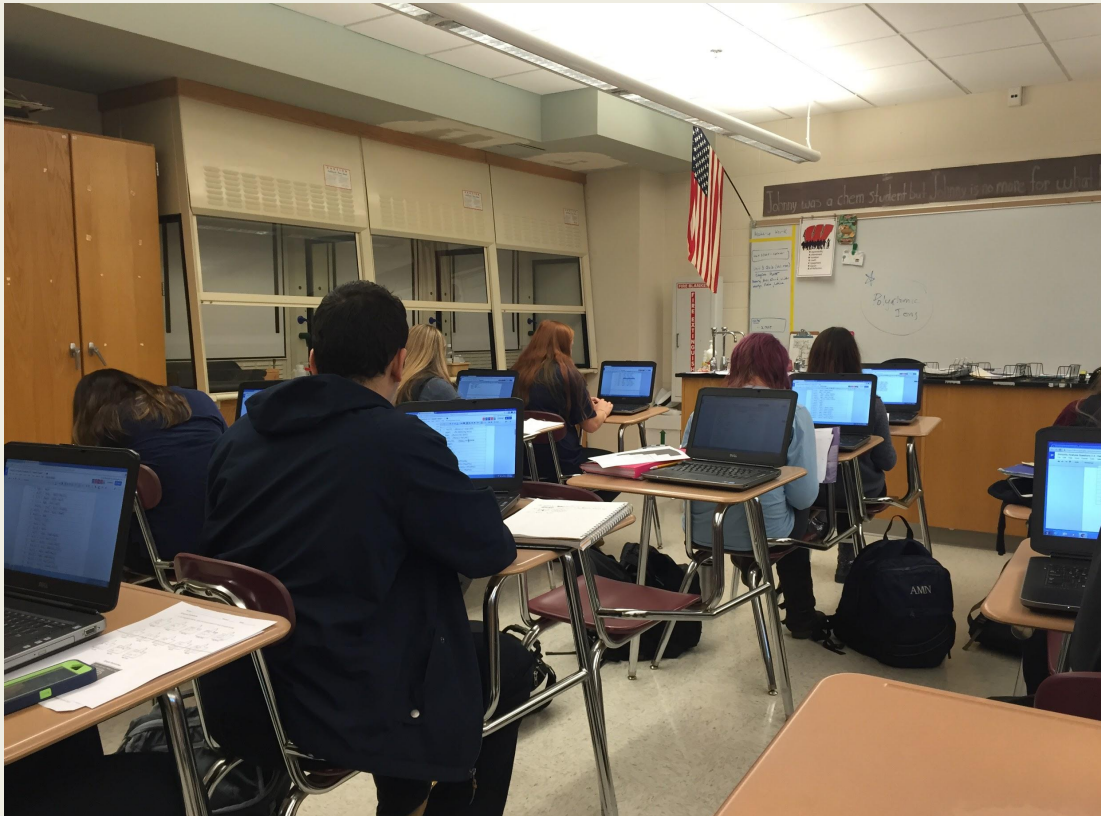
# Video

Teaching With Today's Tools

# Tech for Learning

Technology is an important part of our students' learning environment:

Mobile devices for students can transform learning with technology from an event in the lab to an integral part of the classroom experience



# District 1:1 Program

2013-14: Visioning, proof of concept

2014-15: Designing, piloting, planning, building infrastructure, building teams

2015-16: Piloting, expanding, refining

2016-17: Scaling, sustaining

# Overview of Tech Program

	14-15	15-16	16-17
PK-3		2 carts of shared iPads for each school	4 carts of shared iPads for each school
4		1 cart of shared iPads for each team	1:1 with iPads
5		1 cart of shared iPads for each team	1:1 with iPads
6		1:1 with iPads	1:1 with iPads
7	Carts of shared Chromebooks	Carts of shared Chromebooks	1:1 with Chromebooks
8	Carts of shared Chromebooks	1:1 with Chromebooks	1:1 with Chromebooks
9	Carts of shared Chromebooks	BYOD pilot Carts of shared Chromebooks	1:1 with Chromebooks
10-12	Carts of shared Chromebooks	BYOD pilot Carts of shared Chromebooks	1:1 with BYOD

# Overview of Tech Program

Grade(s)	This year	Next year
PK-3	2 carts of shared iPads for each school	4 carts of shared iPads for each school
4-5	1 cart of shared iPads for each team	1:1 with iPads
6	1:1 with iPads	1:1 with iPads
7	More carts of shared Chromebooks	1:1 with Chromebooks
8	1:1 with Chromebooks	1:1 with Chromebooks
9	BYOD pilot More carts of shared Chromebooks	1:1 with Chromebooks
10-12	BYOD pilot More carts of shared Chromebooks	1:1 with BYOD



# Sequence of 1:1 Program

- 1:1 iPads in grades 4-6 for the touch interface and multimedia creation tools
- 1:1 chromebooks in grades 7-9 where students do more with text
- BYOD for grades 10-12 allowing students to choose the device that works best for them

# Why Bring Your Own Device? (BYOD)

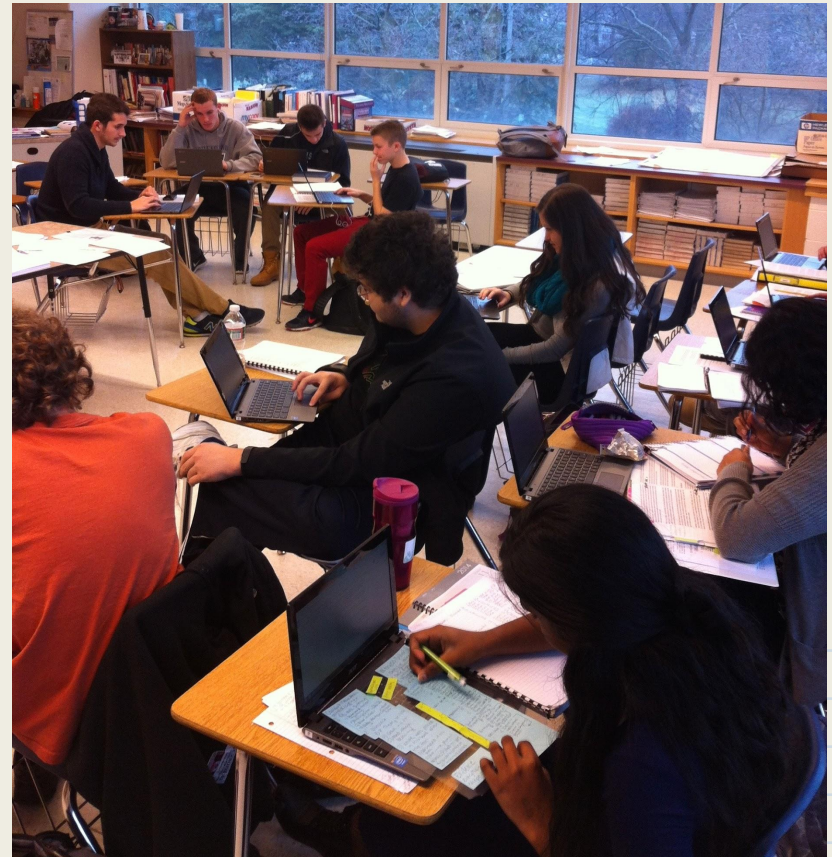
- Managing, maintaining, and using their own devices productively
- Preparing our students for college and the workforce
- Choosing the right digital tools for their tasks
- Organizing their course materials in an electronic format
- Most students who have their own device prefer it over a district device because it's familiar, personalized, and they feel more efficient

# BYOD: Not a New Concept

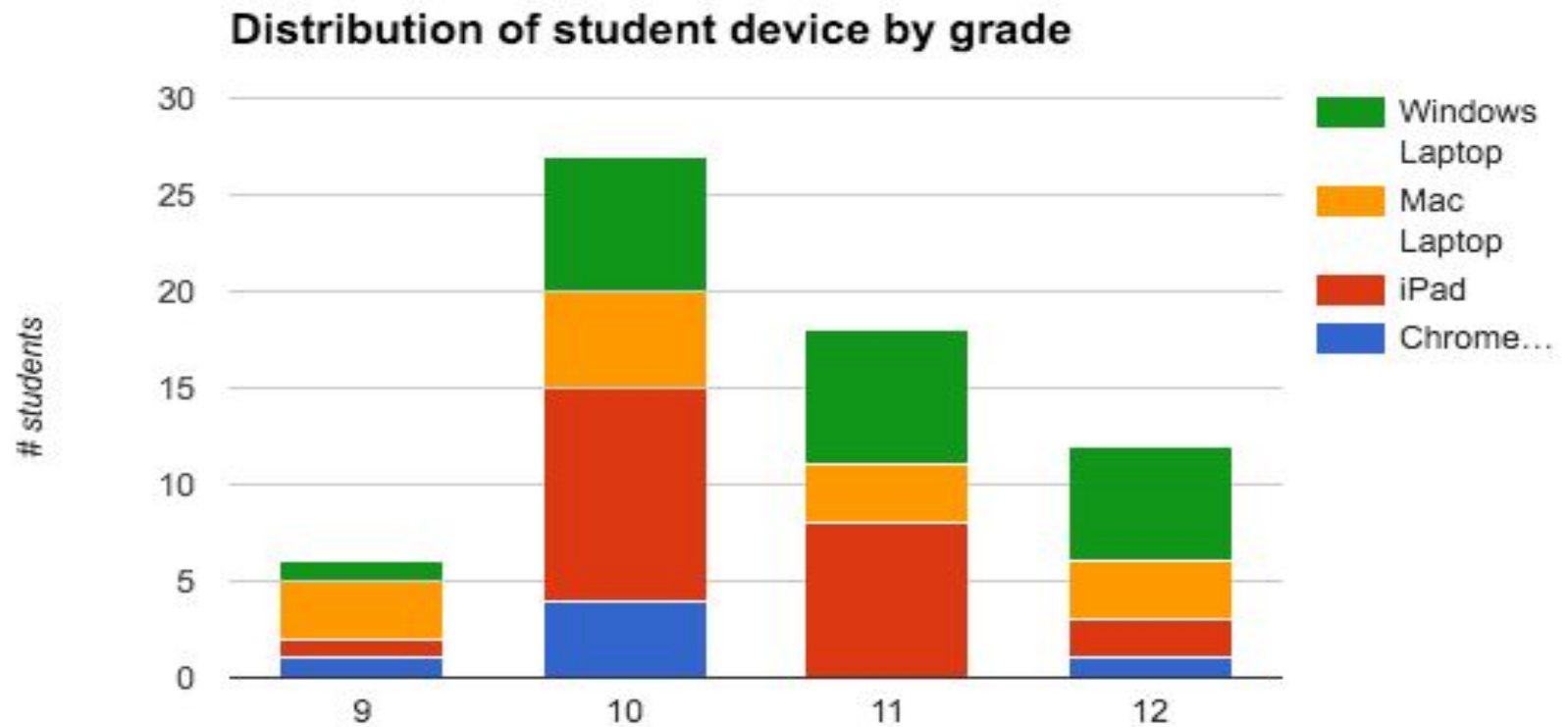
- Not a new concept (see Alberta's [2012 guide to BYOD](#))
- We waited to learn from others to determine the best approach
- Some of the Massachusetts districts currently doing it:
  - Andover
  - Holliston
  - Ipswich
  - Foxborough
  - Scituate
  - Wakefield
  - Weston
  - Winchester

# WHS BYOD Pilot

- Piloted it this year at WHS
- A team of teachers formed a study group and worked with a national 1:1 expert to help identify and realize benefits



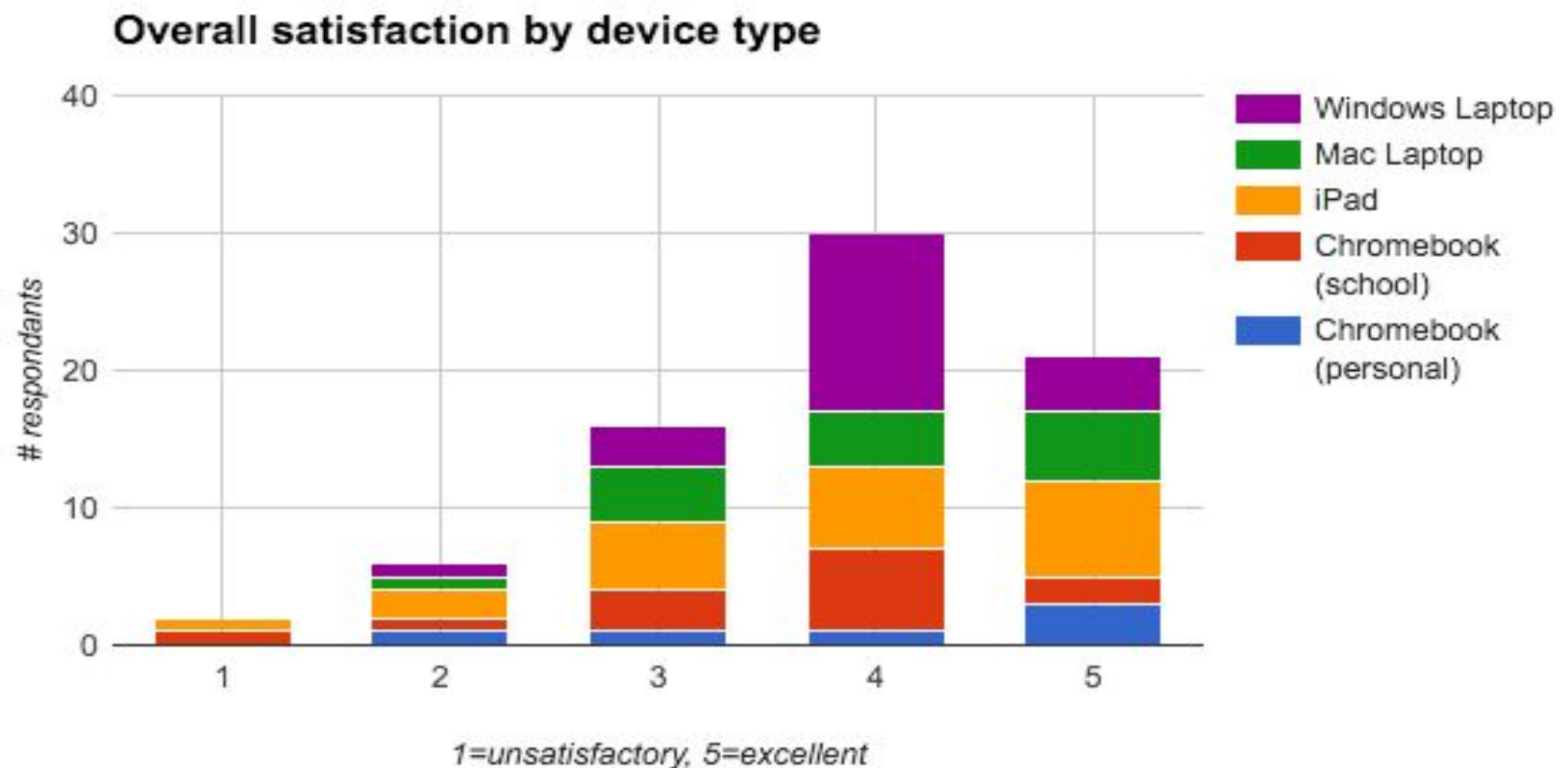
# Students Brought a Range of Devices



# BYOD Pilot Benefits: Student Quotes

- I felt comfortable with the technology, and I was able to do things faster because I knew how everything works! (grade 9, Mac laptop)
- I can use it for my internship, so whenever I need to put something in a google document, I don't need to go to the library or attempt to do it on my phone. (grade 12, non-school chromebook)
- It was convenient to have with me. (grade 12, Windows laptop)
- I liked to have my own personal device rather than using a set laptop given to me by the school. It gave me a sense of familiarity and personalization which made the class engaging. (grade 11, Windows laptop)
- I liked how we knew the device and have used it at home. It was new and fun as we knew each part of the device and how to control it. It took me a quicker amount of time to find out what to do versus on a chrome book. (grade 11, iPad)
- I love the convenience of being on a familiar device! It is also great because I can use it on my own time, like at lunch! (grade 12, Windows laptop)
- It was exciting and useful. It also gave me a new sense of freedom. (grade 10, Mac laptop)

# Students with All Device Were Mostly Satisfied



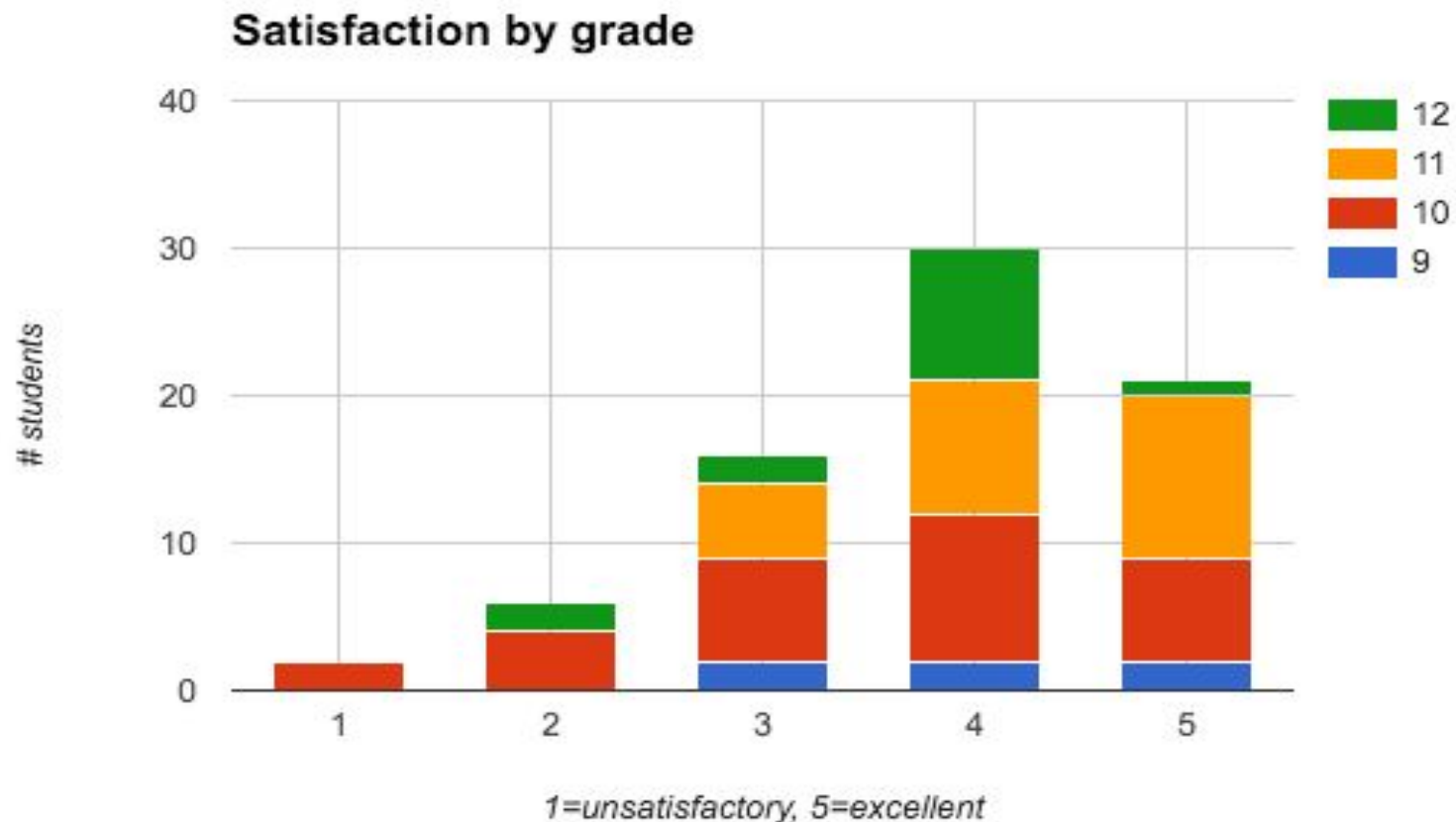
# BYOD Pilot Benefits:

## Student Quotes (continued)

1. I liked that I could use my own documents and I didn't have to worry about sending emails back and forth to myself because everything was just saved on my computer (grade 11, Mac laptop)
2. I liked being able to know my way around already and being more comfortable using my own every day device. (grade 11, iPad)
3. I knew exactly how to use it and I was more familiar with it. (grade 10, chromebook)
4. I knew how the device worked because I've worked with it for a long time, so there was a level of comfort having my own device. I knew what tabs I had to open up and there was no confusing regarding how to get to an intended location. Overall, the familiarity of the device facilitated browsing and getting the activity completed. (grade 11, iPad)
5. I was able to do more work because I knew how to use my device better than I know how to use the chrome books. It was also easier to carry around compared to my Spanish binder. (grade 11, Windows laptop)



# Students of All Grades Were Mostly Satisfied



# BYOD Pilot: Teacher Reflections

- “Having technology readily available in my classroom allows my students immediate access to references and information.”
- “Technology allows my students to benefit from and visit all sorts of cultures around the world. We can watch, listen, imitate language, and reflect on what we see. It makes the French and Spanish languages come alive, validates the students’ efforts to learn them and piques their interest in knowing and understanding more. On a more concrete level, students are also able to hone their grammar and vocabulary skills in a safe environment with instant feedback.”

# Teacher Reflections (cont.)

- “The use of technology in my classroom has opened up many different modes of presenting concepts to students as well as differentiated opportunities for students to demonstrate their learning. Students can be listening to a lecture at the same time that they pair the concepts with visuals, additional information to help clarify, or interactive tasks that help conceptualize the lesson.”
- “It has given me a way to help students learn to be responsible for digital documents and workflow which will help prepare them for college”

# BYOD Pilot Concerns

## Student Quotes

- I would have brought my own device, but I didn't have anyplace to put it during gym, where things are sometimes stolen. (grade 11)
- It was difficult to type on and keep on switching between apps (grade 10, iPad)
- Weight in backpack and being careful not to break anything (grade 10, chromebook)
- Fitting it into my backpack with all my school notebooks and folders (grade 10, chromebook)

# BYOD Pilot Student Concerns Quotes

- I do not think it's fair to expect every student to be able to bring a device. And most students already have to carry around very heavy backpacks so I do not think it's good to make them have to also carry a laptop (iPads are not easy to use for most school activities). (grade 10)
- I spend so much of my life outside of class staring at screens and I would really prefer not to bring that into the classroom. (grade 12)
- Something that was difficult about bringing my own device was that the battery power wasn't very long so I could use it for maybe two classes at a time (grade 12, Windows laptop)

# BYOD: Making It Work

- Collaboration
- Flexible Learning Environments
- Curriculum Development
- Professional Learning
- Ranger Tech Squad
- Culture of Innovation

# BYOD Schedule

- Fall: Parents notified of pilot and pilot begins
- April: Notify parents of BYOD expectations for next year
- May: Forum to explain program and answer questions
- May: WPS will send out more details about purchasing options
- May/June: WPS will poll parents to let us know what type of device they will likely purchase
- August 2016: Program begins with all students bringing their device to WHS for the first day of school

# Device Options

Suitable devices include:

- 9.7" and larger tablets
- Laptops
- Netbooks
- Chromebooks
- Full details at: <http://www.westboroughk12.org/curriculum/technology>

There are options if your family doesn't have a device that you can dedicate to your student's sole use:

- Purchase online or retail if you know what you want and where you want to purchase it
- We are working with WETF to provide value-oriented packages designed for our community
- We will assist families who need help accessing a suitable device





Q&A

# Tech Website

[Technology Home](#)[Frequently Asked Questions](#)[Curriculum/Standards](#)[Policy and Procedures/Documents](#)[The People That Help](#)[Westborough Public Schools  
1 to 1 Technology FAQs](#)[Technology Take-home  
Liability](#)[Westborough High School  
Bring Your Own Device  
\(BYOD\) Requirements](#)[Gibbons Middle School  
Technology Initiative](#)[Mill Pond School Technology  
Initiative](#)[Resources for Families](#)[@WPSTechK12](#)[Westborough Public Schools Technology Initiative](#)[Quick Links](#)

Tweets by WPSTechK12

Tweets by [@WPSTechK12](#)

Westborough K12 Tech  
Retweeted

**Kathleen Swanson**  
[@kathyswanson73](#)

Toolkit lesson plus iPads equals engaged, happy students and a very satisfied teacher. #Fales  
[@Stepharvey49](#)



Welcome to our Technology Website. This website is where you can come to find our policy and procedures documents, answers to frequently asked questions, information about our technology curriculum, updates on school specific initiatives and much more.

Our Technology Strategic Planning Committee developed the following mission statement for the use of technology in our classrooms:

The profound influence of information technology on how we live, learn, and work, makes it imperative that the Westborough Public Schools ensure that all students are taught to effectively use technology to learn, research, communicate, and collaborate.

[more...](#)

[FAQ](#)[DEVICE REQUIREMENTS](#)[WETF WEBSITE](#)[WETF DONATE](#)[TECH BLOG](#)