Thank you for joining us...the webinar will begin shortly



February 3rd -28th

Connecticut SchoolSpeedTest Month

Using the SchoolSpeedTest to Assess Internet Readiness For Digital Learning

Thursday, January 23rd

The Digital Learning Opportunity

Enhance Teacher Effectiveness & Productivity

- Potential to differentiate content and personalize learning
- Open up time and space for more 1:1 and small-group teaching
- Reduce administrative time
- Increase opportunities for professional development

Build Equity & Student Engagement

- Bring experts and targeted content into the classroom.
- Enrich collaborative learning.
- Expand learning beyond the classroom.

Digital Learning Demands High Speed Internet



EducationSuperHighway

How Much Bandwidth Can You Count On?

Policy makers have little information on bandwidth available *in the classroom,* because available speed-to-device varies with:

- 1. ISP Connection Size
- 2. Firewalls
- 3. Content Filters
- 4. WAN Connectivity
- 5. Local Area Network
- 6. Wiring
- 7. Wi-Fi Network
- 8. Current Usage



Need for Performance Data

We need performance data on Internet connectivity speeds in the classroom to meet these basics for learning today.

- Deploy online tools that run reliably at school
- Demonstrate need and build priorities for upgrades
- Prepare schools for 2014-2015 online assessments

Connecticut SchoolSpeedTest Month

Test Dates: February 3rd-28th



Our Goal

Measure connectivity speed at every K-12 school in Connecticut.

Create an apple-to-apples state wide inventory of Internet connections for planning + advocacy.

EducationSuperHighway

Test Your School In Less Than a Minute

Anyone connected to school's wired/Wi-Fi network can run the test.

· Teachers, students, tech coordinators, classified staff

Goal: Get 10 staff members to take 1 minute to run the test

- Run at least 10 tests at every school site
- Test at different times of the day and days of the week.
- Results will vary depending on network activity
- More tests = more accurate measure of available Internet

Testing a School: Step 1

Go to http://partners.schoolspeedtest.org/connecticut.html Enter the zip code or city/state of your school.

TEST MY SCH	OOL
School ZIP Code 94102 OR School City	State
 Test your school in four easy steps: Enter the ZIP code or city & state your school is in a Select your school by typing the first few letters of your school in the list, check to be sure you entered press New School to enter the name of your school Confirm that you are at school and connected to you are testing the speed of your school's Internet accord. Select your role, enter your e-mail address (optional in less than a minute you'll know the speed of you 	your school name. If you don't see d the correct location information or , our school's network so we know you ess. al) and press Start Test.

Testing a School: Step 2

Select your school from the drop down list, then confirm you are on the school network.

hool ZIP Code 94102 OR School City	State 🗸
Find Schools	
pe or Select	New School
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e you connected to your school network?Yes 🔘	No 🔘
ur Role Role?	OPTIONAL
Start Test	

SchoolSpeedTest Operation

- Operates over HTTP (any browser capable device)
- Tests ping (latency), upload/s, filtering on specific sites, device support for Java and Flash
- Collects the tester's IP address, OS, and browser type
- Validates tester's U.S. location
- Checks JavaScript and Flash—enabled or not

SchoolSpeedTest Operation

- 1. Transfer test runs in the background—downloads small binary files that estimate the connection speed.
- Based on this data, the browser-based test engine determines which file size to use for the test and selects one that can download in 15 seconds.
 Stores the files in multiple locations.
- 3. JavaScript running in the browser downloads these files.
- 4. Test engine records the download time. Test engine calculates download speed.
- 5. Upload speed test launches and sends the data through an http post.
- 6. Test engine pings specific sites, and tests the user's browser for Java and Flash support.



SchoolSpeedTest Reporting

The Data

- Upload and download speed of your school Internet connection in the classroom at different times during the school day
- Browser type and operating system each tester used

Results

Testers: upload & download speeds **District**: online access to raw data and graphs of tests **State:** raw data + graphs of tests in state; state summary

Results & Reports

Tester Gets First Results

Tester gets immediate feedback: upload/download speed

Reports Aggregate District, State, & National Data

- All test data records to the EducationSuperHighway database.
- Reports and raw data detail available bandwidth maximum, minimum and average — during school hours
- ESH analyzes the data to produce state and national reporting

To View Your District Data Online

Go to:

http://www.schoolspeedtest.org/stats/district.html

- 1. Select Connecticut
- 2. Select your **District name**
- 3. Enter this password haifiduk

Online Reporting

schoolspeedtest.org/stats ×

← → C ☆ C schoolspeedtest.org/stats/districtdetail.php

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Detailed results for NEW BRITAIN SCHOOL DISTRICT

Download District CSV

School Name	Number of Tests
NEW BRITAIN SCHOOL DISTRICT	1
ALTERNATIVE CENTER SCHOOL	0
CHAMBERLAIN SCHOOL	0
CLIMB	0
DILORETO MAGNET SCHOOL	0
GAFFNEY SCHOOL	0
HOLMES SCHOOL	0
HOUSE OF ARTS LETTERS AND SCIENCE (HALS) ACADEMY	0
JEFFERSON SCHOOL	0
LINCOLN SCHOOL	1
NEW BRITAIN HIGH SCHOOL	0
NEW BRITAIN TRANSITION CENTER	0
NORTHEND SCHOOL	0
PULASKI MIDDLE SCHOOL	0
ROOSEVELT MIDDLE SCHOOL	0
SLADE MIDDLE SCHOOL	1
SMALLEY ACADEMY	0
SMITH SCHOOL	0
VANCE SCHOOL	0

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Online Reporting

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Online Reporting

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How to Use Your Data

- Compare your SchoolSpeedTest results to expected device speeds to identify bottlenecks.
- Make the case for more investment in broadband and network infrastructure in your district and across Connecticut.

Connecticut SchoolSpeedTest

How to Get Ready:

- Whitelist www.SchoolSpeedTest.org in your content filter
- Talk to other district leaders about the Connecticut SchoolSpeedTest
- Forward launch emails and follow up with school leaders to get the best testing data for your district

Contact & More Information

Spencer Watson, Outreach Coordinator spencer@EducationSuperHighway.org

EducationSuperHighway: www.EducationSuperHighway.org SchoolSpeedTest: www.SchoolSpeedTest.org

Watch the Video:

http://www.educationsuperhighway.org/learn-more.html

