

VISION STATEMENT - (May-June 2014)

"Technology opens pathways to explore, innovate and collaborate in order to cultivate globally aware citizens."

MISSION STATEMENT- (May-June 2014)

"Provide effective technology resources and training to foster a community of academic risk taking, innovation, collaboration, and global awareness."

LIVINGSTON PUBLIC SCHOOLS
1:1 INITIATIVE

October 5, 2015

“It is critical that we keep our focus on learning, not on the technology . . . At the end of the day, the teacher is the single most important factor in a child’s education.”

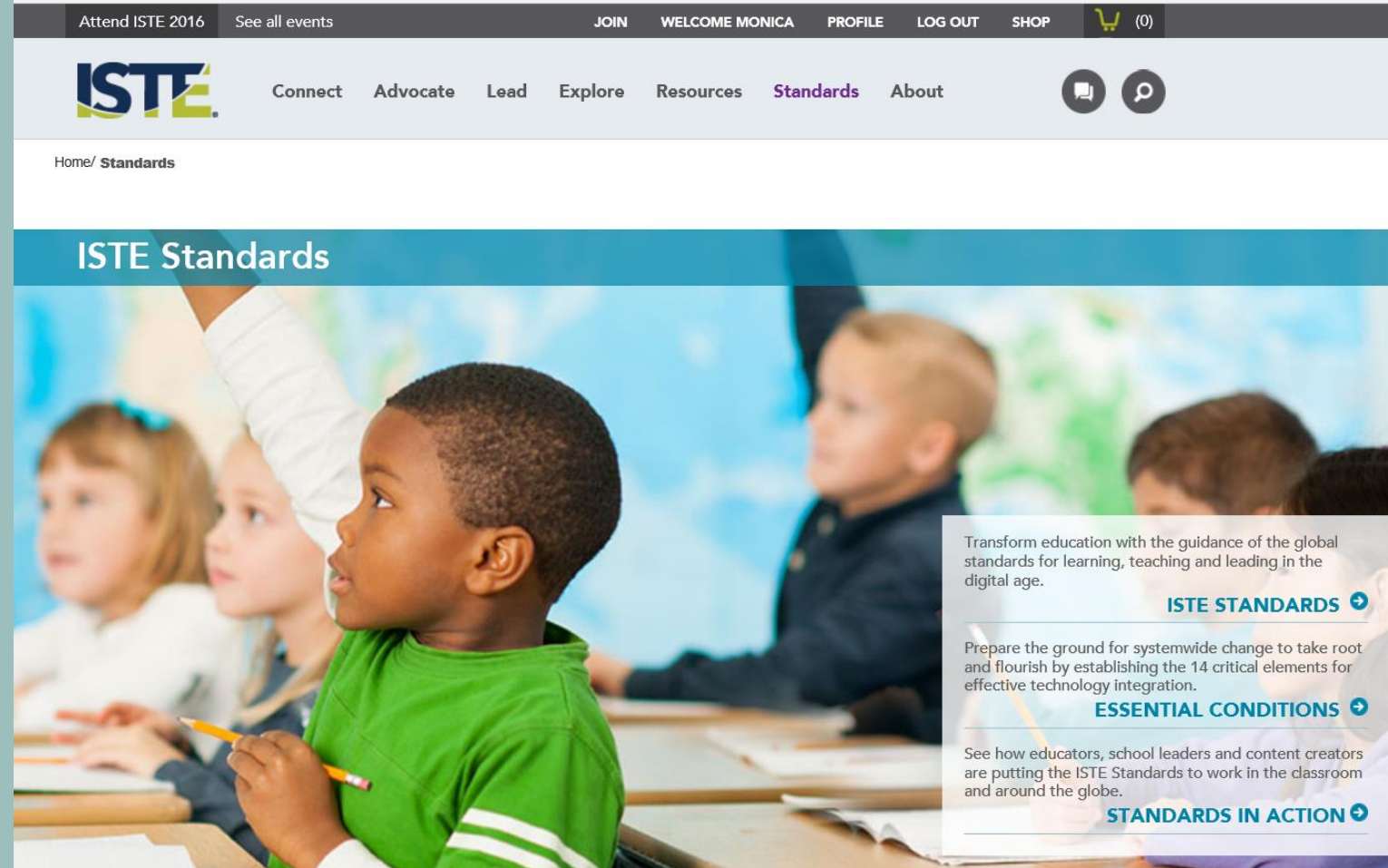
Jaime Casap, Chief Education Evangelist for Google

TECHNOLOGY

Creativity and Innovation

Communication and
Collaboration

Integrating Technology As An Instructional Tool To
Transform 21st Century Learning. . .



**Research and
Information Fluency**

**Critical Thinking,
Problem Solving and
Decision Making**



International Society for
Technology in Education

ISTE Standards Students

1. Creativity and innovation

Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology.

- a. Apply existing knowledge to generate new

3. Research and information fluency

Students apply digital tools to gather, evaluate, and use information.

- a. Plan strategies to guide inquiry
- b. Locate, organize, analyze, evaluate, synthesize,

**Integrating Technology As An Instructional Tool To
Transform 21st Century Learning. . .**

ISTE Connects blog



Turn your classroom into an active learning environment

9/3/2015 Topics: Learning spaces, Maker movement, Mobile learning

Replace rows of desks and lectures at your school with active learning spaces where students are collaborative, classrooms are comfortable and teachers inspire creativity and deep content knowledge.

[MORE](#)

Digital Citizenship

Technology Operations and Concepts

Integrating Technology As An Instructional Tool To Transform 21st Century Learning. . .

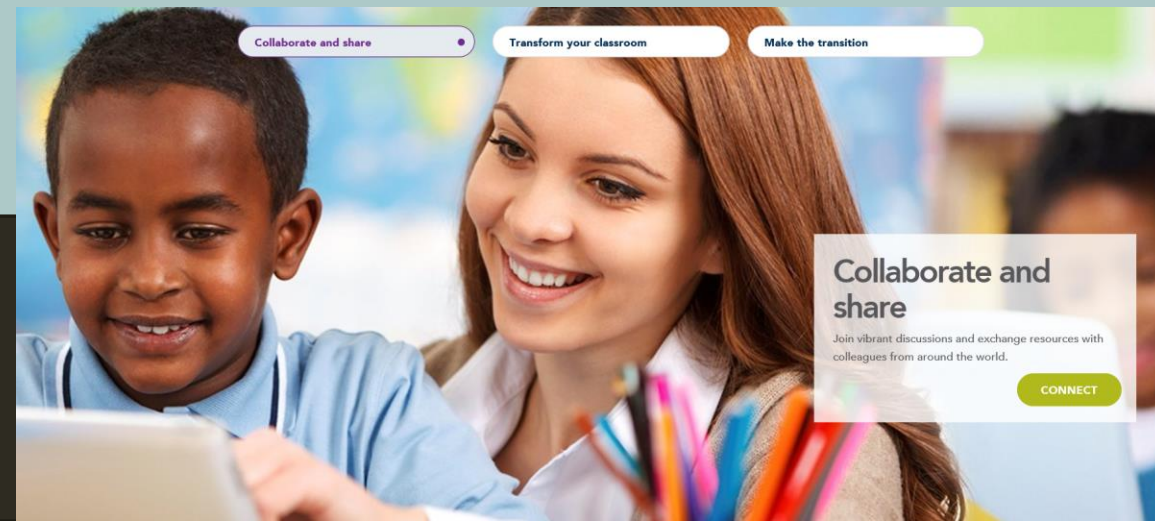
- Anytime/Anywhere Access – while waiting for an appointment with a doctor - get homework done
- Collaborate from home with classmates on a homework assignment
- Take an online assessment, submit it and get your grade instantly
- Watch a podcast or screencast made by your teacher as a precursor to the next day's work (Flipping the Classroom)
- Visit with a student in another country who is working on the same project with you from any location
- Multiple siblings don't have to share a device at home
- Instead of sitting in Study Hall doing nothing – you always have access to your work
- Students can Skype in to class when absent or home instruction

24/7 Learning

SHIFTING MINDSETS OF BOTH THE TEACHER AND STUDENT IN THE WAY LEARNING HAPPENS WHERE WE WILL FIND . . .

- More learner active classrooms
- Technology infused curriculum
- Students normally enter a room and wait for a directive from their teacher . . . Imagine the classroom where students enter and take responsibility for their own learning accessing teacher differentiated materials!

**SHIFTING OUR MINDSET
TO 21ST CENTURY LEARNING**



21st Century Classrooms . . .

- Using “Real Time” Research, Collaboration And Discussion on both Local and Global levels
- Flipped Classroom – Using Class Time For Guided Practice Using Differentiated Projects
- No Loss Of Class Time As Experienced Using Computer Carts
- Raise The Expectation For Access To And Use Of Global Learning
- Student Centered Learning – Accountability and Readiness
- Ecologically Sound: Less Paper
- Creates Additional Classroom Space

**SCHOOL VISITS TAKE AWAY
1:1 CLASSROOM BENEFITS**

The **NUMBER ONE CONCERN** is that the laptops may be a distraction to the students . . .

OUR ANSWER IS . . . Device Management Software

- Software applications such as LanSchool or Class Policy

<http://dailyedventures.com/index.php/2014/07/07/managing-the-classroom-with-classpolicy/> These types of software limit student device use to only those times they are directed to use it

- LanSchool is also a demonstration tool that delivers teacher demonstrations to individual student screens (entire room/selected screens)
- There is a wireless version being tested at LHS on the laptops purchased last year
- **MOST IMPORTANTLY . . . When engaged, this does not happen!**

**SCHOOL VISITS TAKE AWAY
1:1 CONCERNS**

2014-15 SCHOOL TECHNOLOGY VISITS

	Pascack Hills HS	Springfield HS	River Dell HS 1100 students	Ridgewood HS	Hunterdon Central RHS
					April 14, 2015
Initiative 1:1 Or BYOD	1:1	1:1 Ten yrs+	2006 Started with 9 th grade BIG MISTAKE Realized all at once is better	1:1 has started	BYOD 5 years ago HS has 1000 Chromebooks. If a class has 50% BYOD the district will provide the rest
Outside PD	Apple /Google	IDE- full yr onsite PD	Entirely in house	In house only	In House
Roll of PD		Full year Tech PD before devices		Use teacher Coaches Tech PD 1 st Day of School Robust – 57 courses after school 210 registered for Fall *(Take 6 hrs. of tech training then do not have to come to Spring PD day) Dept Mtgs are Tech PD Supr & tchrs model tech	Teachers had PD training before. BYOD did not penetrate the system as lots of traditional teaching still goes on Paid Summer Training on Google Apps

Over the past year and a half teams of Livingston administrators and teachers have visited other NJ districts to observe, question and investigate how technology transforms teaching and learning

DUE DILIGENCE

The ISTE Essential Conditions are the 14 critical elements necessary to effectively leverage technology for learning. They offer educators and school leaders a research-backed framework to guide implementation of the ISTE Standards, tech planning and system wide change.

Our District Technology Committee is in Year Two of our Technology Action Plan.



Essential Conditions

DUE DILIGENCE

- During 2015-2016 school year, professional development takes place, existing lessons will be modified to incorporate the use of the technology.
- Two in-house Tech Coaches have been hired to connect technology with our already powerful curriculum.
- Technology sessions during the district PD Day at both LHS and HMS October 12, 2015 occur. This is in addition to technology training offered to teaching staff last year.
- With approval from the Board of Education, the goal would be that students would receive laptops and the 1:1 initiative would be in full effect for the 2016-17 school year starting with grades 7-12.

THE DISTRICT TECHNOLOGY COMMITTEE RECOMMENDATIONS