



DIGITAL LEARNING INITIATIVE

Building the future today

“It is no longer good enough for schools to send out students who know how to do what they were taught. The modern world needs citizens who can do what they were not taught. We call this ‘learning learning’.”

- Seymour Papert





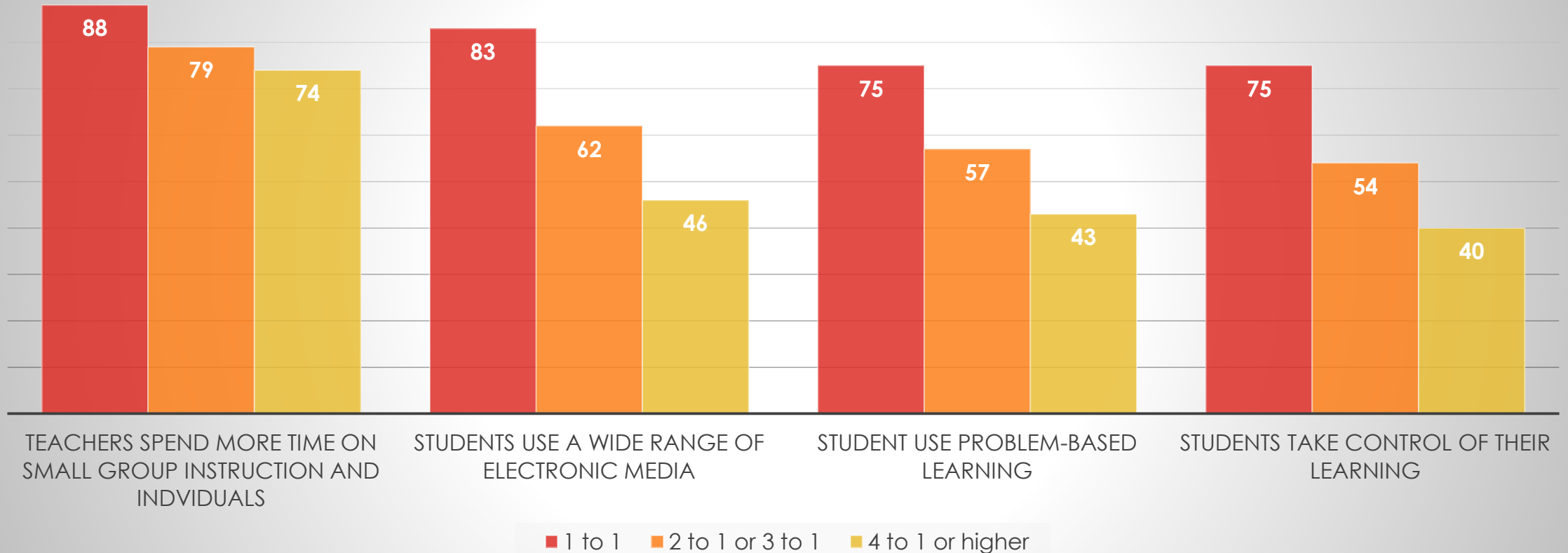
RESEARCHING DIGITAL LEARNING

Review of Project RED study

GETTING RESULTS



HOW DO TEACHERS AND STUDENTS USE TECHNOLOGY IN INSTRUCTION?



COLLABORATION AND CREATIVITY

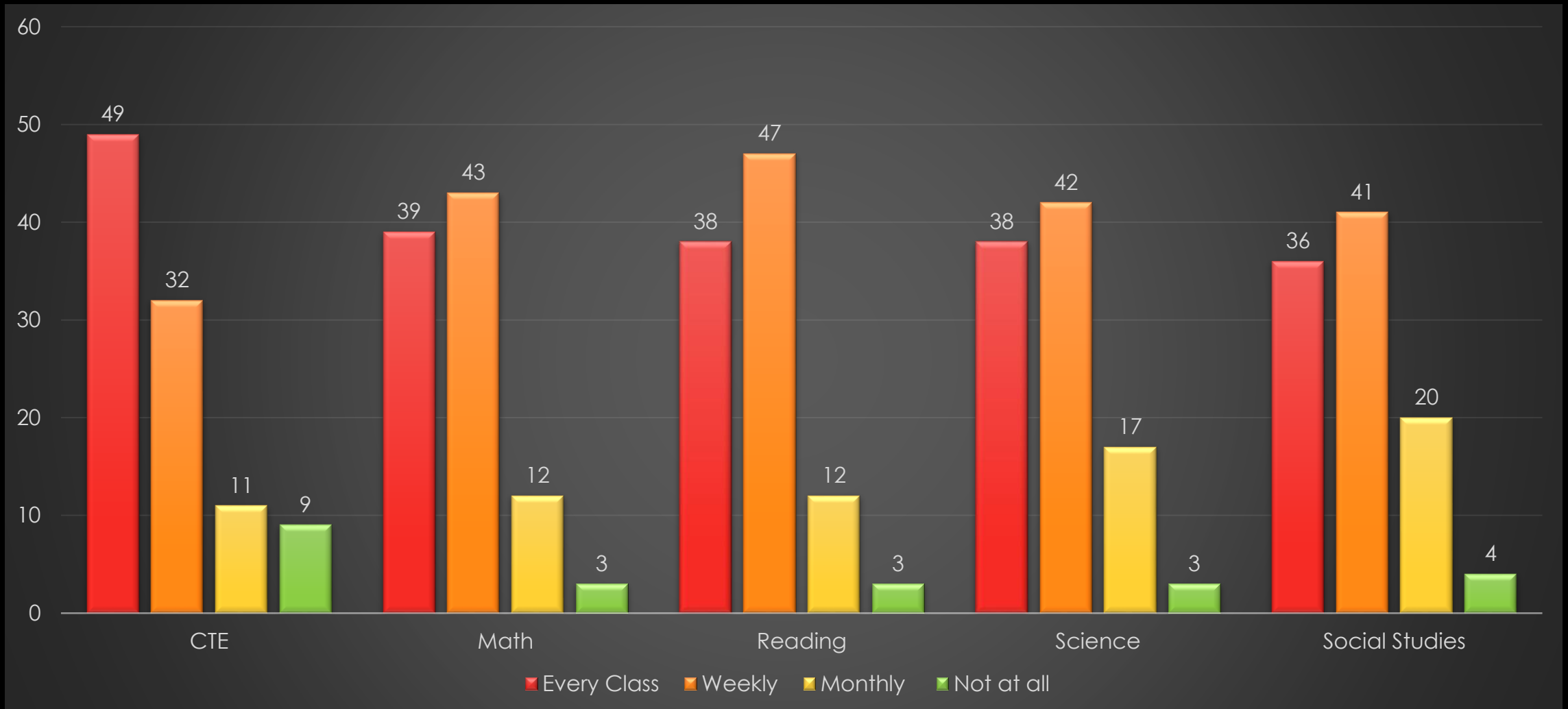
Collaborative Learning

- Collaborative learning is an active, student centered approach that requires students to engage with peers in investigation, creative design, problem solving, decision making, as well as applying, analyzing, and synthesizing content.

Digital Tools

- Social Media
- Online discussion threads
- Blogs
- Wikis

BLENDED LEARNING (DIGITAL AND ANALOG)



THIS IS OUR LOW
ORBIT MOMENT

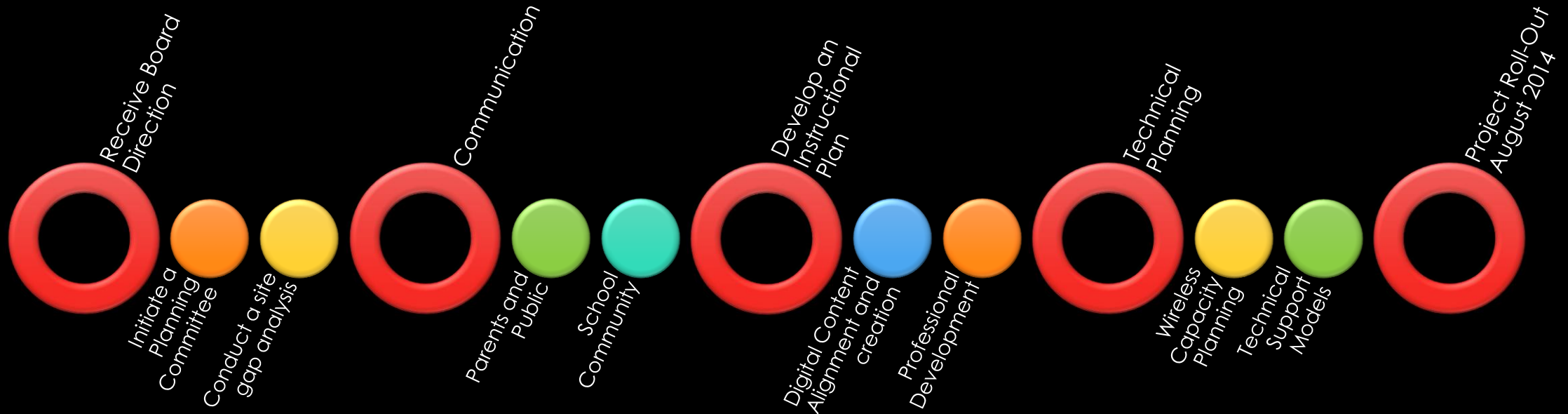


THE DIGITAL LEARNING INITIATIVE

Digital learning empowers young people to develop personal responsibility for learning by providing options to:

- Select from a range of digital content that support curricula.
- Create products and projects that show content mastery through a variety of media.
- Choose technologies that best match learning tasks, accessing learning resources instantaneously.
- Work at home, in the community, and at school, individually and with others.
- Learn asynchronously and synchronously; as time to learn may vary based on individual needs.

ACPS ANTICIPATED TIMELINE



SCHOOL DIVISION READINESS PLANNING

Instructional Considerations

- Digital Content Creation
 - Content being converted via Vertical Teams
 - Resources being reviewed by coaches and Lead Coaches
- Professional Development
 - A robust plan needs to be developed to support the digital content conversion.
 - Staff provided time to assimilate new digital content.

Technical Considerations

- Wireless Capacity
 - A review of onsite capacity for density and coverage
 - Planning to roll-out county wide services
- Bandwidth
 - An analysis of LAN capacity
 - An analysis of web traffice
- Technical Support
 - Review of process and procedures
 - Creation of Student Lead Support Desks within sites.

ANTICIPATED COSTS OF INITIATIVES

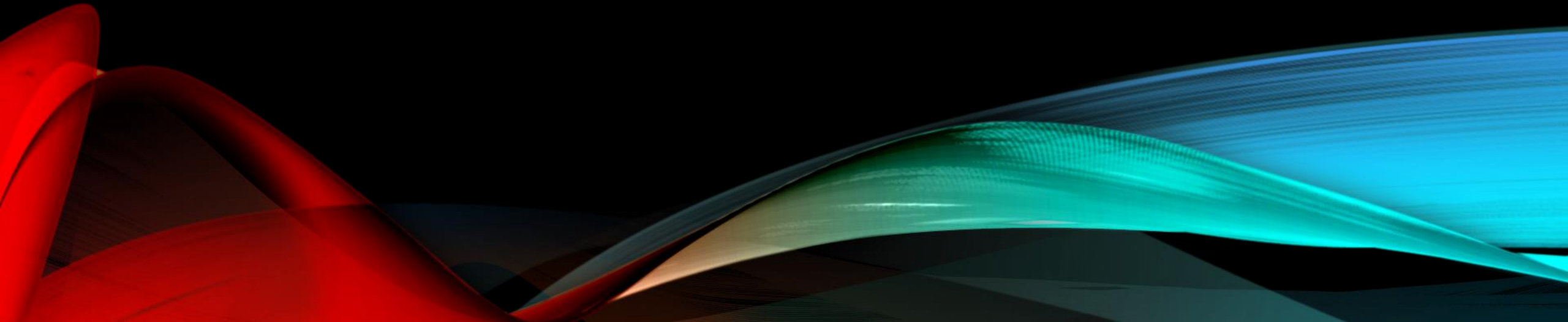
Digital Learning Models	Number of students	4 Year cost for a device	Cost per year for a device	Cost for PD and content creation per Year	4 year cost for PD, Content, and Device	Cost per student per year
9 th thru 12 th	4000	\$2,400,000	\$600,000	\$252,000	\$4,408,000	\$213
6 th thru 12 th	7000	\$4,200,000	\$1,050,000	\$441,000	\$5,964,000	\$213
3 rd thru 12 th	10000	\$6,000,000	\$1,500,000	\$630,000	\$8,520,000	\$213
6 th thru 8 th	3000	\$1,800,000	\$450,000	\$189,000	\$2,556,000	\$213
3 rd thru 5 th	3000	\$1,800,000	\$450,000	\$189,000	\$2,556,000	\$213

Cost per year Analysis: \$600 per device and \$63 dollar per student for PD/Content Creation



Conditions in the school division are optimal for the transition to digital learning, and we are prepared to move forward into the next phase of planning which will include coordinated provision of comprehensive training, student access to technology devices inside and outside of school, and digital learning resources.

WE REQUEST THE BOARD TO PROVIDE
LEADERSHIP WITH DIRECTION ABOUT
MOVING FORWARD WITH A DIGITAL
LEARNING INITIATIVE.



An Economic Frame: Why Digital Integration Advantages Contemporary Learners

Forbes Magazine: Why I Believe That This Will Be the Most Innovative Decade in Human History (Vivak Wadwha of Duke University's Center for Entrepreneurship and Research Commercialization)

<http://www.forbes.com/sites/singularity/2012/06/25/most-innovative-decade-in-history/>

Alliance for Excellent Education: Definition of Digital Learning <http://www.digitallearningday.org/about-us/digital-learning-definition/>

Project Red Research: Student Achievement, Digital Learning and 1:1 Technologies

<http://www.projectred.org/about/research-overview.html>

Project Tomorrow: Speak Up survey data and reports from parents, educators, and students. We are a participating school division. http://www.tomorrow.org/speakup/speakup_reports.html and

http://www.tomorrow.org/speakup/pr/SU12_June_PR.html

International Society for Technology in Education: Essential Conditions for Digital Learning <http://www.iste.org/docs/pdfs/netsessentialconditions.pdf?sfvrsn=2>

International Society for Technology in Education: Administrative Standards for Digital Learning <http://www.youtube.com/watch?v=A8yQPoTcZ78>

International Society for Technology in Education: Teacher Standards for Digital Learning <http://www.iste.org/docs/pdfs/nets-t-standards.pdf?sfvrsn=2>

Digital Citizenship: Nine Themes of Digital Citizenship http://www.digitalcitizenship.net/Nine_Elements.html

Doug Belshaw TedTalk: The Essential Elements of Digital Literacy <http://www.youtube.com/watch?v=A8yQPoTcZ78>