D90 **Technology** Update

2016-2017

Agenda

- Intro
- BrightBytes data review
- Tech Committee Update
- 2016-2017 Professional Development update
- 2016 -2017 Tri-pod update: *Curriculum, Devices, Data*

CASE Score

1087 Proficient ↗ *Up since last data collection*

- BrightBytes data review

Classroom

Use of the 4Cs

Teachers

Students

Digital Citizenship

Teachers

Students

Assessment

Assistive Technology

Access

Access at School

Teachers

Students

Access at Home

Teachers

Students

Skills

Foundational

Teachers

Students

Online

Teachers

Students
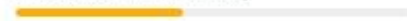
Multimedia

Teachers

Students

Environment

The 3Ps

Support

Professional Learning

Beliefs

Classroom

Emerging

Use of the 4Cs

Teachers

Students

Digital Citizenship

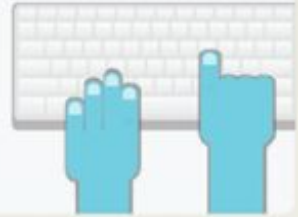Teachers

Students

Assessment

Assistive Technology

52% of students are asked to collaborate online with classmates at least monthly

19% of students are asked to write online at least monthly

51% of students are asked to identify and solve authentic problems using technology at least monthly

36% of teachers ask their students to complete online assessments at least monthly

87% of teachers spend less than 3 hours per year teaching digital citizenship
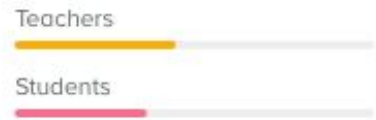
70% of your teachers who use assistive technology use it with students at least monthly

Access

Exemplary

Access at School
- Teachers
- Students
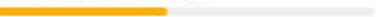
Access at Home
- Teachers
- Students

96% of teachers can get devices for their students when needed more than half the time

70% of teachers report high quality internet speed

96% of teachers have access to a computer for their own use all the time at school

92% of teachers report a typical student to computer ratio of 2:1 or 1:1

Clarity

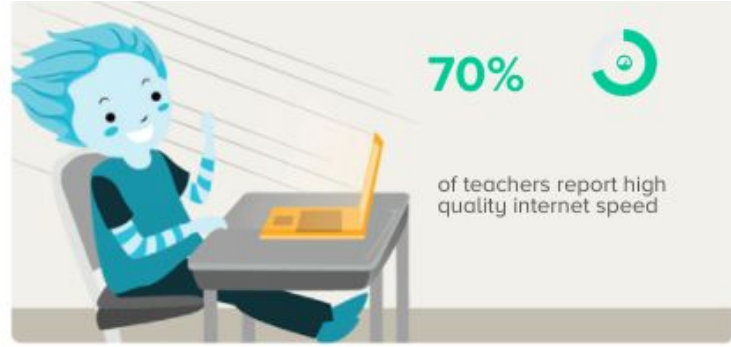## Skills

Advanced

Foundational

Teachers

Students

Online

Teachers

Students

Multimedia

Teachers

Students

FOUNDATIONAL SKILLS
Basic computing skills - sending email and creating spreadsheets

65% find these tasks easy to perform

18% of teachers have expressed interest in PD in this area

ONLINE SKILLS
Essential skills for contributing to and collaborating on the Internet

47% readily utilize these skills

22% of teachers have expressed interest in PD in this area

MULTIMEDIA SKILLS
Ability to manipulate photos and record and edit audio or video

57% find these tasks easy to perform

47% of teachers have expressed interest in PD in this area

BELIEFS
How teachers feel about using technology for learning and in their daily life

75% agree it enhances both

21ST CENTURY TEACHER

79 teachers surveyed

DIGITAL CITIZENSHIP SKILLS
Responsible behavior when using technology - legal use of content, establishing a presence online, online safety, and cyberbullying prevention

26% are highly knowledgeable

CONFIDENCE WITH TECHNOLOGY

58% can solve their own tech problems

68% easily learn new technologies

Environment

The 3Ps

Support

Professional Learning

Beliefs

Advanced

70% of teachers perceive the quality of internet speed at school to be excellent or above average

15% of students are part of a student technology support team

68% of teachers rate the quality of tech support for problems disrupting instruction as excellent or above average

71% of teachers rate the quality of LCDs or interactive whiteboards at school as excellent or above average

58% of teachers believe they can fix technology problems they encounter

92% of teachers rate the quality of devices at school as excellent or above average

86% of teachers receive instructional tech planning within a week of their request
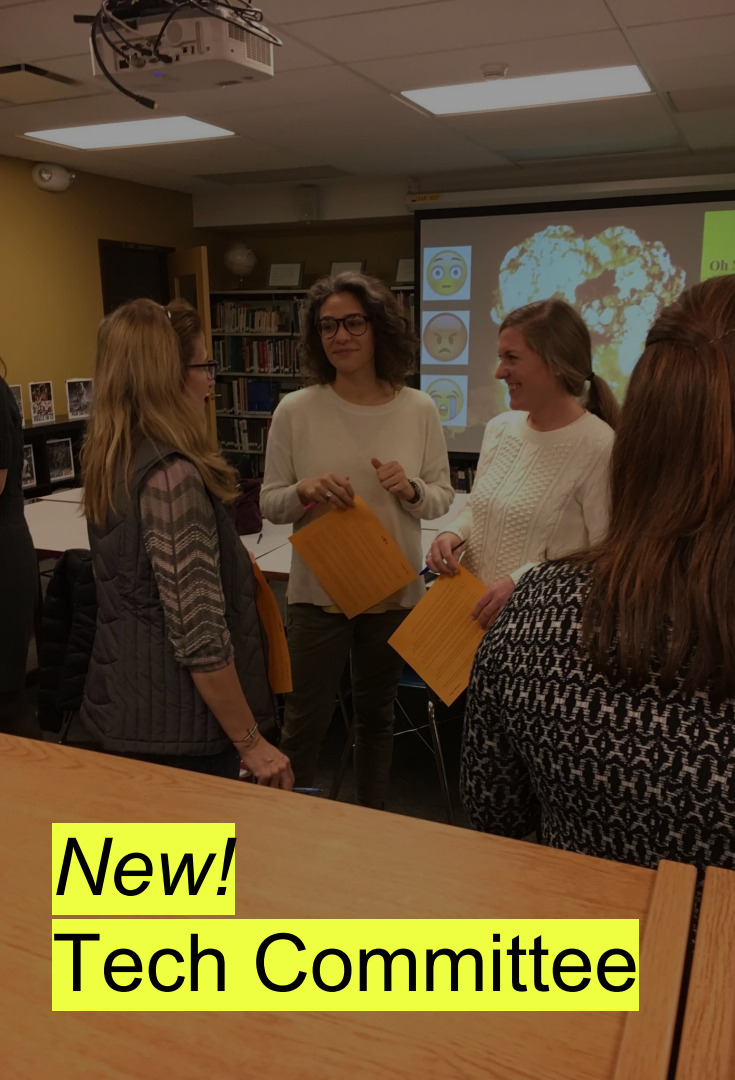
21ST C. LEARNING

New!
Tech Committee

- Representatives from all schools /disciplines

- Meeting Monthly

- Desired Outcomes:

  - Apple / 8 Elements

  - Shared decision making

  - Clear vertical / horizontal communication

  - Long term planning for "unique" updates and integrations: MakerSpaces, 3D printing, Digital Citizenship content, etc

The Eight Elements

Vision
Articulate the "why" for your learning initiative.

Team
Assemble a leadership team that will own, plan, and implement your learning initiative.

Community
Engage your community so stakeholders understand and support your vision.

Measurement
Establish ways to measure your progress against clear goals.

Student Learning
Explore and understand new tools and materials to enhance student learning.

Professional Learning
Model and support a culture of ongoing professional learning.

Environment Design
Design your infrastructure, management strategies, workflow solutions, and physical environment to support learning.

Financial Sustainability
Identify the expected costs and possible savings over time to ensure long-term sustainability of the initiative.

2016-2017 Professional Development
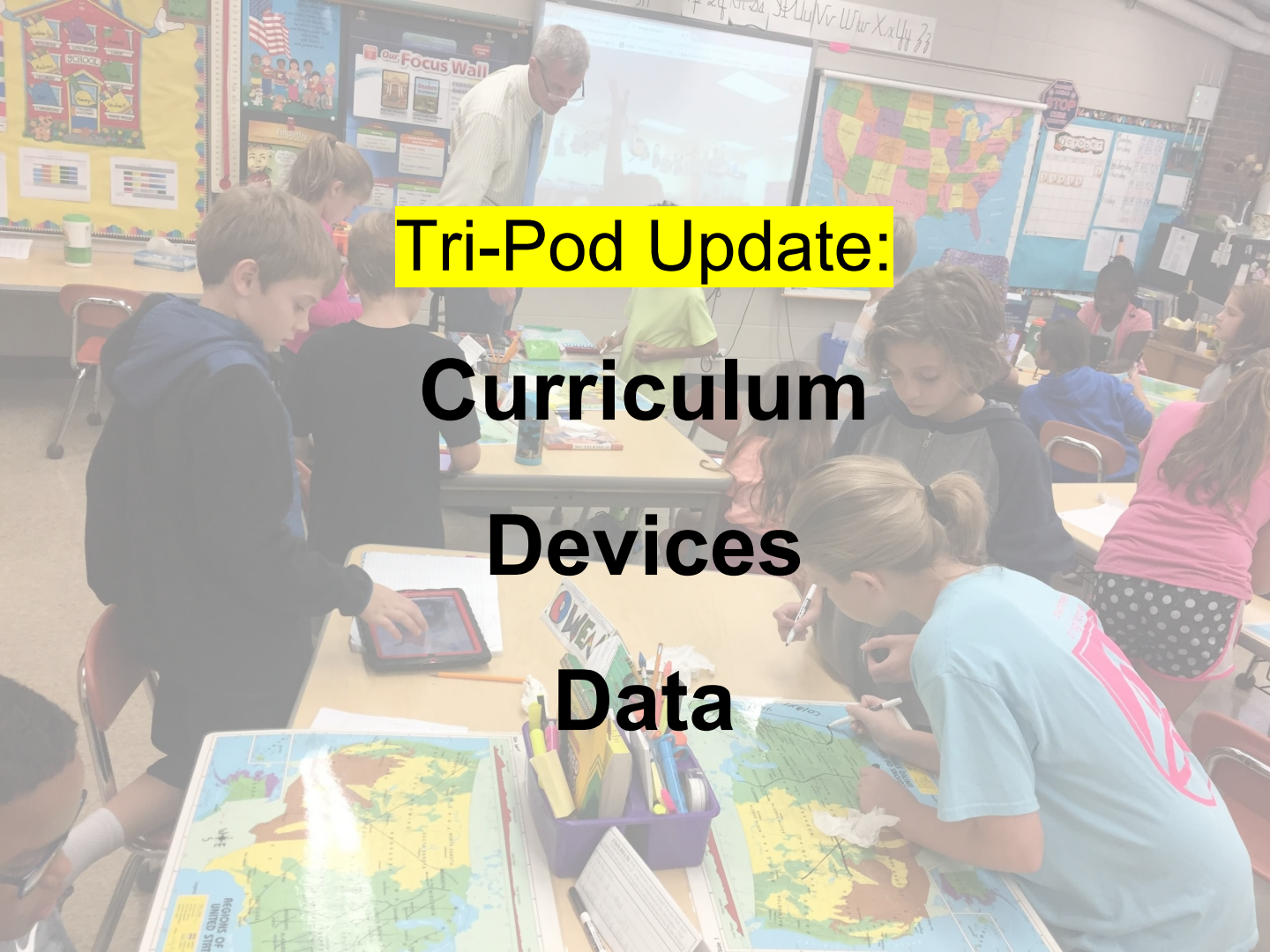
In House:

- **August 2016:** Summer Tech Refresh PD
- **Weekly <u>All</u> Schools:** Quick Dips
- **February 2017:** Apple Teacher Certification
- **Roosevelt, Ongoing:** Thrilling Thursdays
- **Roosevelt, January:** Breakfast and The Basics
- **Roosevelt, Ongoing:** Schoology Pilot Group

Off Site:

- **Fall 2016:** Dominican University Technology Class, 11 participants
- **October 2016:** West 40 Swift Playgrounds Coding Session
- **October 2016:** IL Council of Instructional Coaching
- **Monthly:** Apple Store PD for Teachers
- **February 2017:** ICE Conference 2017
- **February 2017:** Kristin Ziemke *Literacy, Independence, and Critical Thinking: Rethinking the Role of Technology in the Classroom*

Apple Teacher

Quick Dip: Google Calendar

LEARN OUR NEW ROOM BOOKING SYSTEM AT WILLARD!

I WOULD LIKE TO BOOK A ROOM, FOR MY EVENT, HELP!

INTERESTED IN LEARNING MORE? WANT TO MOVE TO YOUR SCHEDULE INTO YOUR GOOGLE CALENDAR?

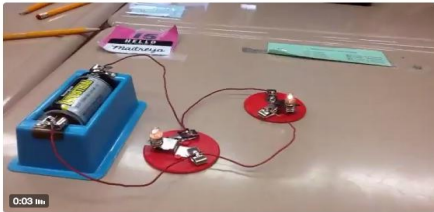Tri-Pod Update:

Curriculum

Devices

Data

(Curriculum) *#D90Learns*: A Window Into Lincoln

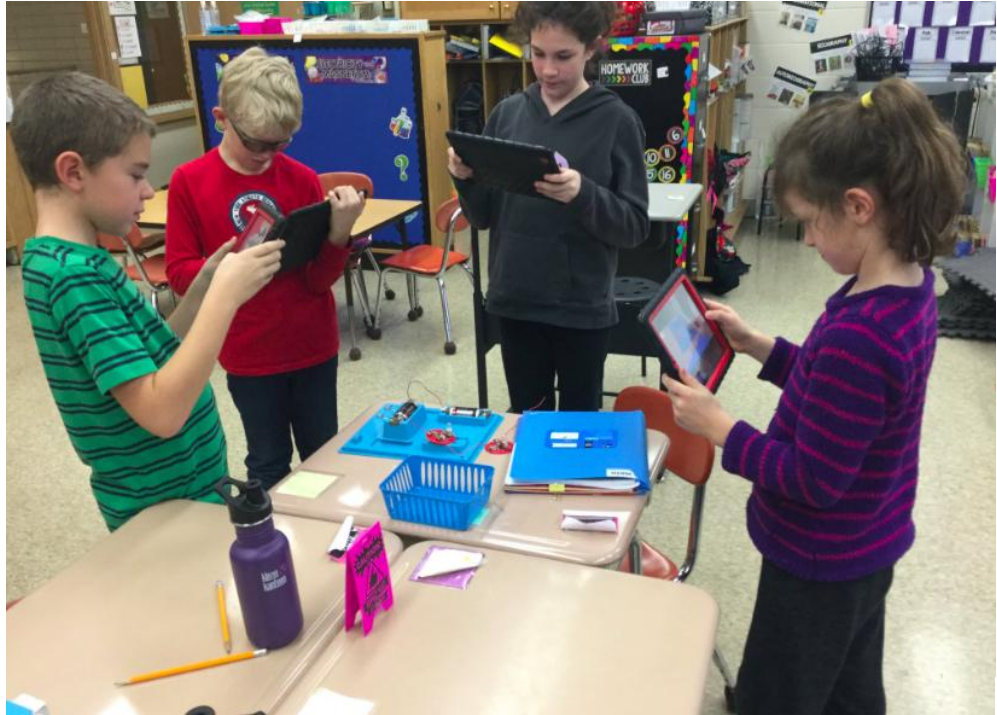
Annmarie Clasky
@AClasky

Putting circuits together has never been so fun!
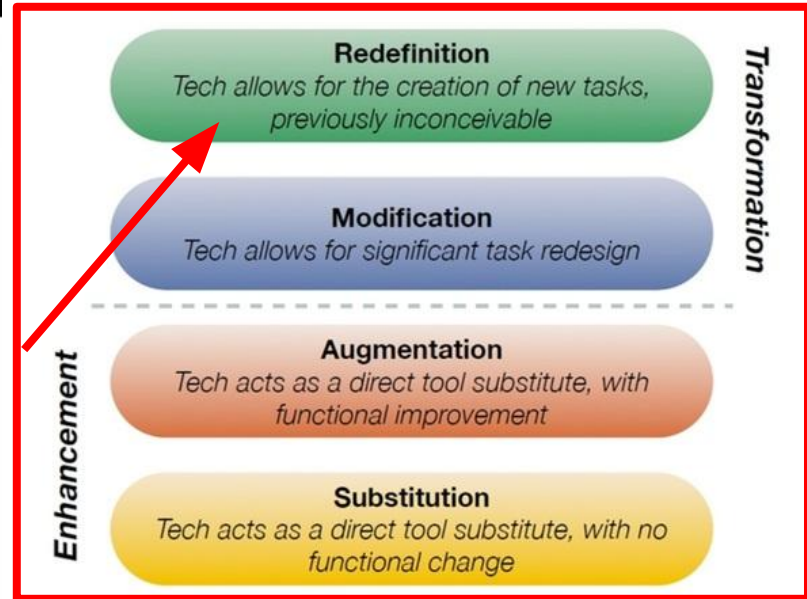#StopMotion #D90Learns #edtech

RETWEETS 2 LIKES 3

Transformation

Redefinition
Tech allows for the creation of new tasks, previously inconceivable

Modification
Tech allows for significant task redesign

Enhancement

Augmentation
Tech acts as a direct tool substitute, with functional improvement

Substitution
Tech acts as a direct tool substitute, with no functional change

New ISTE Student Standards

Lindsay Johnson
@ChiLindsay

6th graders create songs in iOS Garageband to add to their iMovie digital stories. Three cheers for original music! #D90Learns #MusicEd
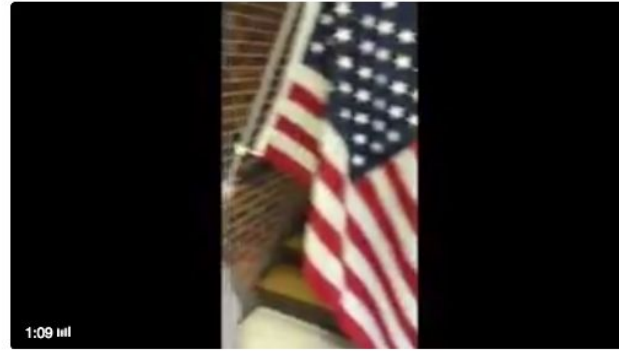
Rebecca Romano
@RebeccaRomano11

Following

Our 8th grade US History students took on the #MannequinChallenge by identifying current American issues they pledge to champion. #D90Learns

1:09

RETWEETS
4

LIKES
6

1:29 PM - 21 Nov

Samantha Stearns
@MsStearns54

Following

Top ten earners in the annual stock market simulation game! Learning short term vs long term positions and good entry/exit points #d90learns

	Net Worth	Today's Returns	Total Returns	# of Trades
	$101,807.66	81.32%	$51,807.66	89
	$93,966.51	66.25%	$43,966.51	58
n S	$86,520.01	60.27%	$36,520.01	59
	$81,344.05	53.13%	$31,344.05	77
	$74,771.21	36.78%	$24,771.21	82
n	$64,519.97	3.12%	$14,519.97	121
L	$64,214.10	44.81%	$14,214.10	159
S	$61,713.44	28.67%	$11,713.44	168
n T				

Innovative Designer

Knowledge Constructor

Empowered Learner

100mb ASE AT&T circuit & 100mb Comcast business modem

1gb fiber WAN

34 Routers / Switches

19 Servers

109 WiFi Access Points

1660 iPads

247 MacBook Pro's or better

144 iMacs and desktops

70 SmartBoards, LCD projectors

33 Printers / Multi-Function devices

46 Security Cameras

7 iPhones

(Devices) 2016-2017 updates:

Updates

Apple MDM /VPP/DEP

Web Content filter (Edgewave)

Papercut / Ricoh

Roosevelt security camera additions

Capstan Monitoring teacher laptops

Backblaze admin backups

Growth & Next Steps

Increased bandwidth (100mb to 250mb)

Securly remote filtering

Classroom A/V updates (SMART, LCD's)

Makerspace / Lab / STEM / changes

Core Infrastructure updates

(Data) systems:

Infosnap

Powerschool

SIS

SchoolMessenger

PARCC

MAP NWEA

Inform

RevTrak

Summer School registration

AtoZ directory

IEP and FileMaker

Server and service accounts

- MDM /LDAP, email /Google / gaggle , IXL, Lexia, SuccessNet, Pearson, ThinkCentral, PLTW, Reading Eggs, RAZ Kids, ReadingPlus, Edmodo, iLearn, FL Blogs, BookShare, Essential Skills, TurnItIn, Custom Typing, etc

Website

BrownBear Calendars

Phone system and voicemail

ADT and Card access

HelpDesk

OPRF transfers

CRDC

(Data) 2016-2017 update:

Updates

New SIS manager position

Instructional Technology/Student Data Privacy Resource Guide

HelpDesk / ZenDesk

Schoology Pilot

Cloudflare DNS migration

PowerTeacher Pro migration

Growth and next steps

Google Email system migration / audit

Curriculum Pilot system

Web site update

Schoology full implementation

Securly remote filtering

Data warehousing / Data sharing agreements

Special Ed system update