Agenda

- Technology Team | Planning & **Action** Plans

- Engaging and Empowering **Learning** Through Technology

- **Teaching** with Technology

- **Leading** - Creating a Culture and Conditions for Innovation and Change

- **Assessing** - Measuring for Learning

- **Infrastructure** - Enabling Access and Effective Use

Technology Team

Mike Dewar

John Spears

Judy Foley

Melissa Quinn

Iva Conte

Joe Sleeman

Tim Bowen

Joanne Rasmussen

Bob Tucker

Technology Planning

National Education Plan | MA Office of Digital Learning | Town of Dedham IT Report

District Strategic Plans | **SIPs** | Current Technology Plan - FY17 - FY19

Last Spring's Presentation

Action Plans

Technology Action Plan FY17
July 2016 - June 2017

Section 1: Engaging and Empowering Learning Through Technology

Project	Waterfall Project Flow Down

	Time Frame	Responsible Parties	Status
	Spring 2016	Principals/ Central Administration	Complete
	Spring 2016- Winter 2017	Principals/ Central Administration, Focus Group Members	Complete

Draft Technology Action Plan FY18
July 2017 - June 2018
National Education Technology Plan | Three Year Technology Plan | FY17 Action Plan

Tech Plan	Proposed Objectives	Milestones Deliverables	Tasks needed to meet deliverables	Time Frame	Responsible Parties
Section 1: Engaging and Empowering Learning Through Technology					
Blended and Digital Learning (BDL)	Incorporate more blended and digital learning into the classrooms	Develop wider understanding of BDL with teachers	Provide PD for instructional coaches and teachers	Fall 2017	Leadership Team, Instructional Coaches, Teachers
		Transition lessons and units to incorporate BDL	Support from teacher leaders, technology integrator and instructional coaches	Spring 2018	Principals, Instructional Coaches, Technology Integrator, Teachers
Universal Design for Learning	Developing and understanding and vision for UDL and Personal Learning	Understanding of the UDL framework and how it fits into the	PD time to examine framework and discussion on how it integrates with BDL	Spring 2018	Leadership Team, Instructional Coaches, Teachers

Engaging and Empowering **Learning**
Through Technology

- Blended and Digital Learning
- Universal Design for Learning
- Mastery Learning
- Digital Learning | ISTE Standards
- Digital Divide

- Writing Supports including peer editing
- Multi-tiered support systems
- Physical Education Space
- Library Media Centers
- Digital Citizenship - Social & Emotional Learning

Introductions

bit.ly/COSNLBDL

Michael Welch, Superintendent of Schools,
Dedham Public Schools, Dedham, MA
@MJWelchDedham

Don Langenhorst, Ed.D., Technology Director,
Dedham Public Schools, Dedham, MA
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Barbara Treacy, Instructor, Harvard Graduate School of Education and
Digital Education Consultant

CoSN2017
INVENT THE
FUTURE
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g a Culture of Improvement

Model for Managing Complex Change

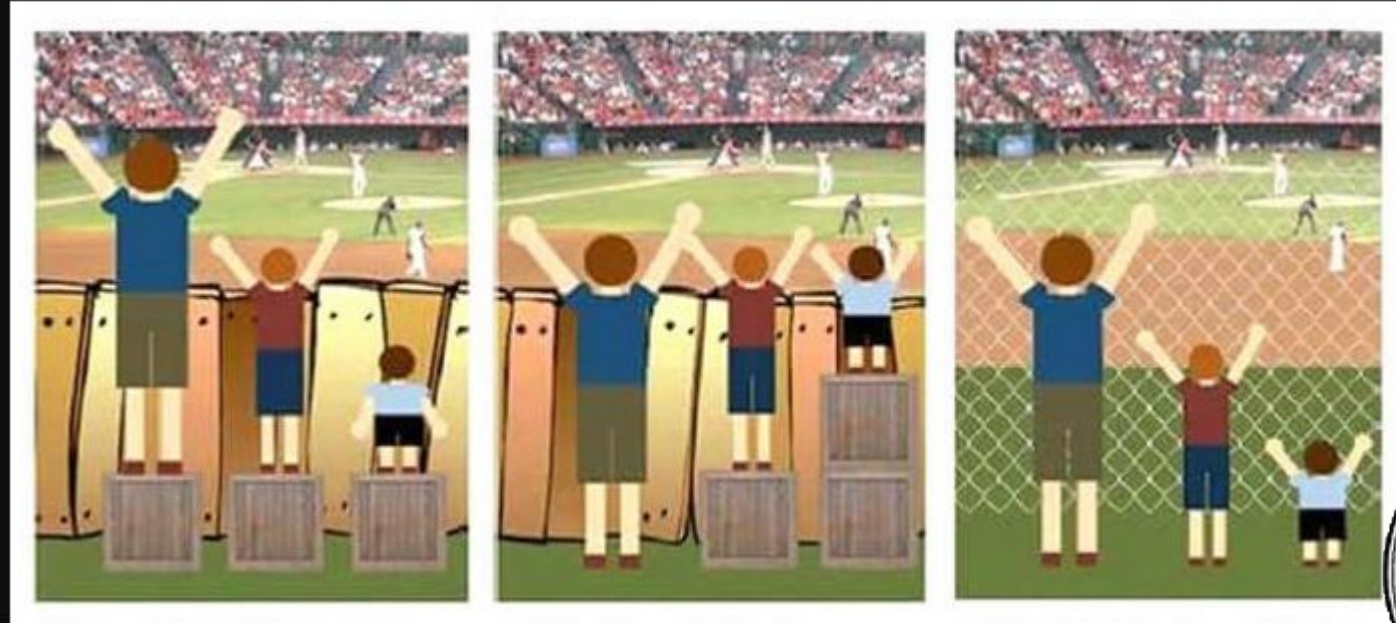|						
	Skills	Incentives	Resources	Action Plan	=	Success
	Skills	Incentives	Resources	Missing	=	False Starts
	Skills	Incentives	Missing	Action Plan	=	Frustration
Vision	Skills	Missing	Resources	Action Plan	=	Resistance
Vision	Missing	Incentives	Resources	Action Plan	=	Anxiety
Missing	Skills	Incentives	Resources	Action Plan	=	Confusion

Adapted from Knoster, T. (1991) Presentation in TASH Conference. Washington, D.C. Adapted by Knoster from Enterprise Group, Ltd.
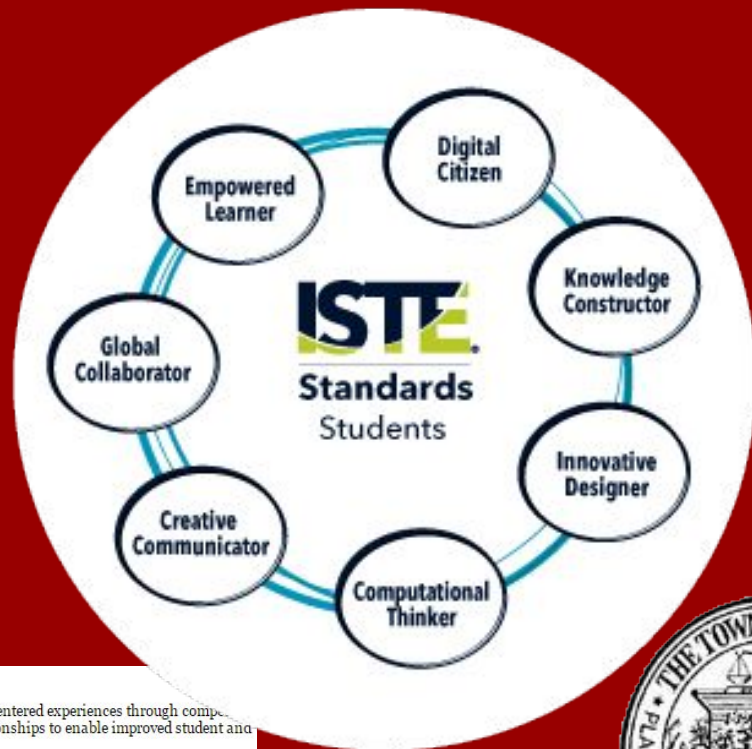
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Universal Design for Learning

2016 Massachusetts Digital Literacy and Computer Science (DLCS) Curriculum Framework

June 2016

ISTE Standards
Students

Empowered Learner

Digital Citizen

Knowledge Constructor

Global Collaborator

Innovative Designer

Creative Communicator

Computational Thinker

Digital Learning

The Office of Digital Learning supports the catalyzation of K-12 education policy and practice to advance powerful, personalized, learner-centered experiences through compe... based, blended and online learning. Working collaboratively with the field and external partners, we broker funding, resources, and relationships to enable improved student and educator access to high-quality new learning models, supported by technology, that prepare them for student and school success.

Commonwealth Virtual Schools

eRATE

The Digital Connections Partnership Schools Grant

Free K-12 Courses/Activities

SketchUp Pro*
Software for Public Schools

FUTURE READY SCHOOLS
PREPARING STUDENTS FOR SUCCESS

Education SUPERHIGHWAY
COMPARE & CONNECT K-12

THE TOWN OF DEDHAM
PLANTATION BEGUN 1635: INCORPORATED 1636
CONTENTMENT

Engaging and Empowering **Learning**
Through Technology

- Blended and Digital Learning
- Universal Design for Learning
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Teaching with Technology

- Transforming Personalized Professional Learning
- Targeted Support and Development
- Instructional Methods
- TeachPoint

What are the most effective elements of professional learning?

Transforming Personalized Professional Learning

Web Documentation

- Blend Talks | Appy Hours
- DPS EdCamps
- Instructional Rounds
- Blended Conferences
  Thinking Bolder | Level Up
- Conferences (e.g. MassCUE, Medfield Digital Learning Day)

Training and Software support

Personalized Professional Development Presentation
Presented at the March 8, Digital Learning Day in Medfield, MA

BlendTalks 2016
Dedham High School PD 11/30/16

Community/Parent Technology Presentation
Dedham High School | November 9, 2016

Going Google at Avery
November 9, 2016

MassCue 2016
2016 Global Connects | Digital Learning Technology Conference

DPSEdCamp
District Professional Development | 11/8/16

Going Google at Riverdale
October 26, 2016

Scheduled Monthly Technology Training

Thinking Bolder DPS June Professional Development Conference
June 20 and 21, 2016 | Dedham High School and Middle Teachers Digital and Blended Learning Conference

Technology Resources

Smartboard Information
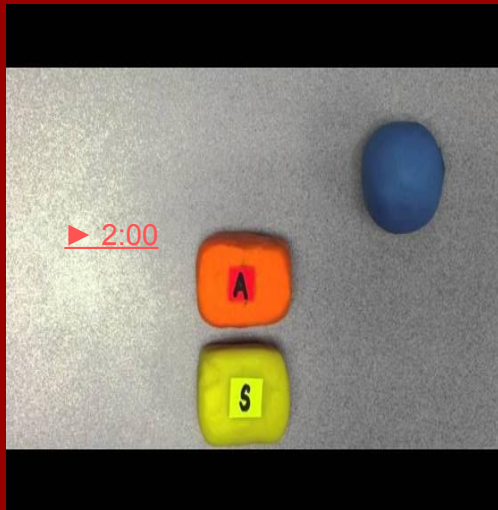
2015-2016 Archived

2014-2015 Archived

2013-2014 Archived

Speaker Request Form
Form for requesting in-house speakers, including virtual speakers (Skype)

Teaching and Learning

▶ 2:00

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SAMR in 120 seconds

LEVEL UP

Conference Overview   Workshops ⌄   Exit Survey

Game On! - Level Up!

June Conference

Dedham High School
June 26 and 27, 2017

Game On - Level Up Conference

Date: Face-to-Face Dates:

Monday, June 26 and Tuesday, June 27

Time: 7:30 am coffee | 8:00 am - Noon

Place: Conference Workshops | Dedham High School

Foundation: Expectation is that after each workshop, teachers have an instructional blended learning product that can be applied in the fall.

1 PDP per course hour

Conference Expectations

1 day is 8 hours consisting of:

- 1 hour base prework **(below)**
- 1 hour workshop prework
- 4 hours face-to-face work
- 2 hours workshop postwork

2 days is 15 hours consisting of:

- 1 hour base prework **(below)**
- 2 hours workshop prework (1 hour for each workshop)
- 8 hours face-to-face work (4 hours for each workshop)
- 4 hours workshop postwork (2 hours for each workshop)

Leading - Creating a Culture and Conditions for Innovation and Change

- Vision and Planning
- Scheduling
- Funding
- TalentEd
- Community Communication

Dedham **Public Schools**
Home to America's first tax supported, free public school

District Home   Dedham Schools   Administration   Human Resources   Students   Parents   Faculty   Community   Search

Website Transition:
- Public Face
- District Documents
- Classroom & Sites

Assessment - Measuring for Learning

#noglazeover

- Data Teams - School Improvement Plans
- Protection - Student Data Privacy
- Information Integration Improvement Initiative (4Is)
- Improving Workflow | Electronic Records

Information Integration Improvement Initiative (4Is):

Student database connections:

PowerSchool > Active Directory

PowerSchool > Google Apps For Education

PowerSchool > eSpEd

ESpEd > PowerSchool

PowerSchool > Nutrikids (School Lunch)

PowerSchool > SNAP (School Nurse application)

PowerSchool > Destiny Library Manager

PowerSchool > Hapara

Staff database connections:

Munis > Active Directory

Munis > PowerSchool

Munis > G-Suite

Student Data Privacy

Spotlight on the Classroom - January

Online Parental Systems
Registration of Students | PowerSchool Portal

Dedham Public Schools
Registration Gateway

Spanish

New Student Registration

PORTAL

PowerSchool Login & Portal for Parents and Students

THE TOWN OF DEDHAM · PLANTATION BEGUN 1635 : INCORPORATED 1636 · CONTENTMENT

Infrastructure

- G-suite
- PowerSchool GradeBook
- Technology Policies
- Procurement
- Computing Devices | 1:1
- Single Sign On
- Projection
- Ticketing and Asset Management

- Interdepartmental Communication
- Network Monitoring & Capacity Planning
- High Availability
- Security - UTM
- Backup / Disaster Recovery

Section 5: Infrastructure-Enabling Access and Effective Use Processes, Policies and People

Ticketing and Assets Management

PowerSchool Grade Portal

Fiber Network (Erate)

Computing Devices

Interdepartmental Communication - Facilities

Wireless (Erate)

Server, Data Store and Backup Technology

High Availability

Network Monitoring and Capacity Planning

Unified Protection Management - Safety, security, filtering

Network Closet Security and Climate Control