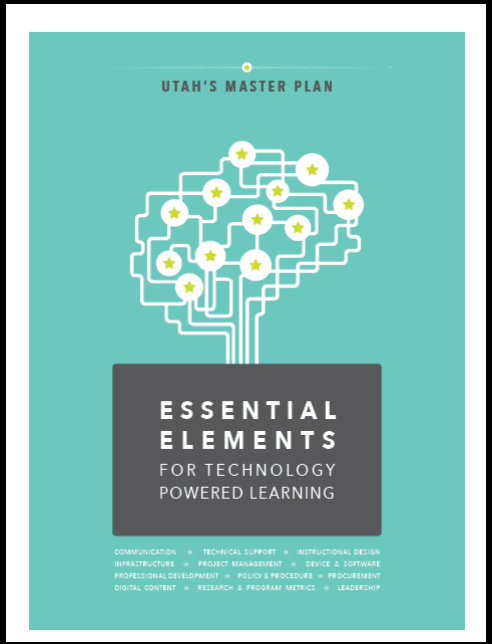
ESSENTIAL ELEMENTS

For Technology Powered Learning



The Digital Teaching and Learning Master Plan

DIGITAL TEACHING AND LEARNING TASK FORCE

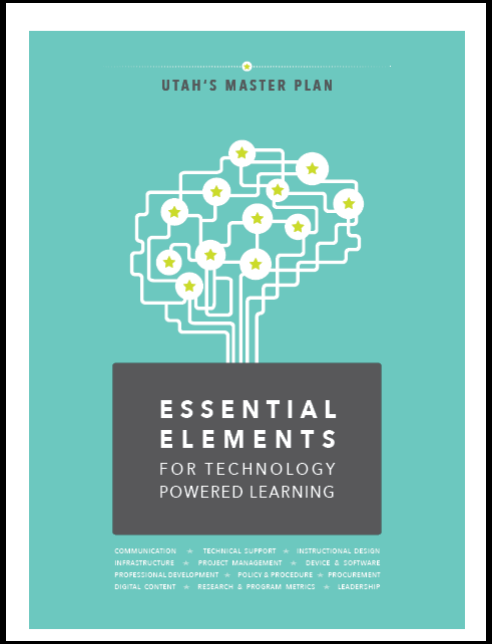
- Created in SB 222
- Requires the ***State Board of Education***
  - to establish a funding proposal for digital teaching and learning in elementary and secondary schools
  - to develop a master plan for a statewide digital teaching and learning program
- Requires the ***Utah Education and Telehealth Network (UETN)*:**
  - to conduct an inventory of the public education system's current technology resources
  - to perform an engineering study to determine the technology infrastructure needs of the public education system to implement the master plan

DIGITAL TEACHING AND LEARNING TASK FORCE

- Task Force has met 14 times since June 2015
- Task Force composed of:
  - 3 members of the State Board
  - 4 Superintendents
  - 1 Charter School Executive Director
  - 2 School Technology Directors
  - 2 Legislators
  - Chair, Governor's Commission on Excellence in Education
- Task Force staffed by USOE and UETN
- Consultants
  - Common Sense Education, Greaves Group, Metiri Group

ESSENTIAL ELEMENTS FOR TECHNOLOGY POWERED LEARNING

- Section 1: Introduction
- Section 2: Program Metrics of Success
- Section 3: Leadership and Change Management
- Section 4: Professional Learning
- Section 5: Communication
- Section 6: Infrastructure
- Section 7: Digital Content and Software and Devices
- Section 8: Technical Support
- Section 9: Procurement
- Section 10: Cost Proposal
- Section 11: State Qualifying Grant Program
- Section 12: Timeline
- Section 13: Research Cited
- Section 14: Appendices



ESSENTIAL ELEMENTS FOR TECHNOLOGY POWERED LEARNING
SECTION 1: INTRODUCTION

- Utah has a powerful opportunity to harness technology as a tool to *transform* the *culture* of education instruction in our state.
- Technology-powered learning *engages* students and enhances learning.
- Our aim is to *leverage* Utah's great strengths toward even greater gains for learners across our state.

EDUCATION, THE GREAT EQUALIZER

ESSENTIAL ELEMENTS FOR TECHNOLOGY POWERED LEARNING

SECTION 3: LEADERSHIP AND CHANGE MANAGEMENT

- Leadership and change management are recognized as the top contributors to success or failure for large scale technology initiatives.
- Outstanding leadership will be proactive, build great teams, set clear visions, expect comprehensive plans and realistic timelines, and take a leading role in selling the vision to all stakeholders, both inside and outside the organization.

- John Kotter's "Eight Steps to Successful Change"
  - Establish a sense of urgency
  - Form a powerful coalition
  - Create a vision
  - Communicate the vision
  - Empower others to act on the vision
  - Plan and create short term wins
  - Consolidate improvements and produce still more change
  - Institutionalize new approaches

$$\cos^2 x = \frac{1}{2}\left(1+\cos(2x)\right)$$

$$\sin^2 x = \frac{1}{2}\left(1-\cos(2x)\right)$$

$$\sin x \cos x = \frac{1}{2}\sin(2x)$$

ESSENTIAL ELEMENTS FOR TECHNOLOGY POWERED LEARNING

SECTION 10: COST PROPOSAL – FUNDING FORMULA

Charter Schools

- The amount available to distribute to qualifying charter schools is an amount equal to the product of enrollment on October 1 in the prior year at charter schools statewide, divided by enrollment on October 1 in the prior year in public schools statewide; and the total amount available for distribution under this section.
- The board shall distribute to qualifying charter schools the amount available for distribution to qualifying charter schools in proportion to each qualifying charter school's enrollment as a percentage of the total enrollment in qualifying charter schools; or as determined by the State Charter School Board and approved by the board.
- Charter School technology spending/maintenance of effort are not to be supplanted as established by board rule.

School Districts

- The board shall distribute 10% of the funds available on an equal basis
- The remaining 90% of the funds shall be distributed to the qualifying LEAs on a per-student basis.
- LEA technology spending/maintenance of effort are not to be supplanted as established by board rule.
- Each LEA has an opportunity to receive funds if the LEA's plan has been approved in year one
- If an LEA's plan is not approved during year one of the program, the board shall deposit the LEA's allocation of program money into a separate account that is non-lapsing while providing additional supports to help the LEA qualify

BASE PLUS FORMULA

ESSENTIAL ELEMENTS FOR TECHNOLOGY POWERED LEARNING

SECTION 10: COST PROPOSAL

- State Board of Education
  - Funding is also allocated to USOE to administer the program including ongoing evaluation and performance reports
  - Administrator/principal professional development and grant writing assistance program
- UETN
  - Funding is allocated to UETN to administer the program, including procurement, contracting, accounting, and inventory management staff.
  - Funding is allocated to support increased bandwidth, provision of wireless personnel/infrastructure, filtering, and software contracts that are determined to be best provided equitably at a statewide level (e.g., online research library, videos and media content, Learning Management, authentication solution, etc.)
  - Funding for professional development personnel at statewide level to coordinate Train-the-Trainer and statewide programs

ESSENTIAL ELEMENTS FOR TECHNOLOGY POWERED LEARNING

SECTION 11: STATE QUALIFYING GRANT PROGRAM

- Pre-Application: USOE will create a mandatory pre-grant implementation training program for LEA administrators to ensure uniform messaging and expectations of leadership.
- Local Control: Each application will be unique to that LEA.
- Qualifying Grant Application:
  - **Curriculum, Instruction, and Assessment**
  - **Use of Time**
  - **Technology, Networks, and Hardware**
  - **Data and Privacy**
  - **Community Partnerships**
  - **Professional Learning**
  - **Budget and Resources**
  - **Empowered, Innovative Leadership**

ESSENTIAL ELEMENTS FOR TECHNOLOGY POWERED LEARNING

SECTION 11: STATE QUALIFYING GRANT PROGRAM

- Evaluation: USOE will create an evaluation rubric including elements from the *Future Ready Framework*, the *Project Red Roadmap* and the *Seven Dimensions* in the creation of its plan.
- Peer Review: All LEA applications will be reviewed by a peer committee established by the state board of education.
- Coaching: If an LEA's plan is not approved during year one of the program, technical assistance will be provided and the LEA may submit a revised application for review.

ESSENTIAL ELEMENTS FOR TECHNOLOGY POWERED LEARNING

PROJECTED TIMELINE

- **December 2015**: State Board of Education begins *Rulemaking* process (*1st Reading*)
- **January 2016 to March 2016**: *Funding* for the Essential Elements for Digital Learning Plan considered by the Utah State Legislature
- **January 2016**: State Board of Education *Rulemaking* (*2nd Reading*)
- **April 2016**: State Board of Education *Rulemaking* (*3rd Reading*)
- **April / May 2016**: *Peer Review Committee* selected
- **May - July 2016**: Creation of *LEA Application and Rubric*
- **August - December 2016**: Procurement *RFP* and Selection
- **Fall 2016**: LEA Leadership *Boot-Camp*
- **Winter / Spring 2017**: *LEA Application Review* and selection of schools for first cohort.
- **Spring 2017**: *Technical Support for non-qualifying LEAs*
- **Fall 2017**: *First cohort* of schools begin *implementation* of Essential Elements for Digital Learning

If you have questions, please contact:

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