Technology Update

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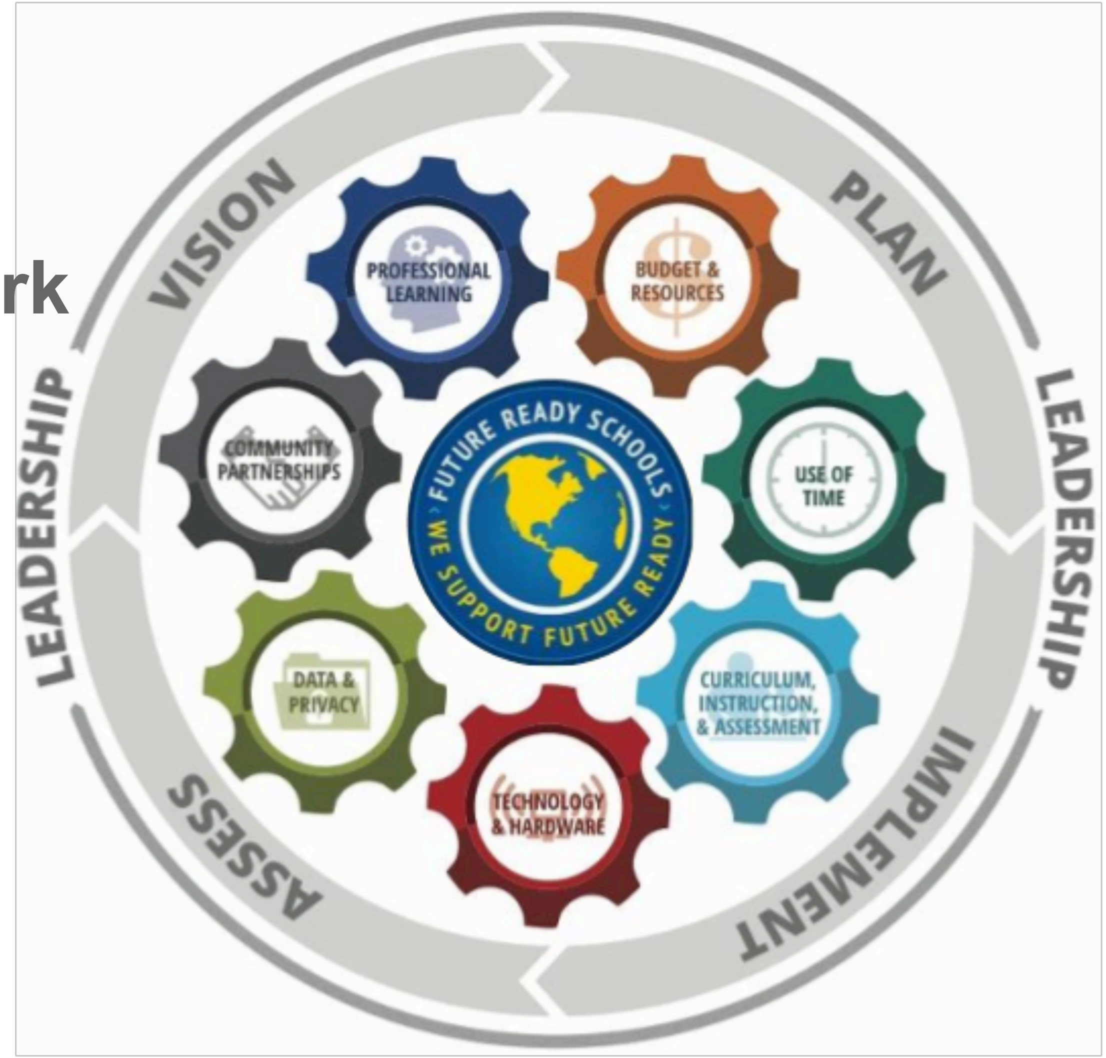
Future Ready Framework


VISION
PLAN
LEADERSHIP
IMPLEMENT
ASSESS
LEADERSHIP
PROFESSIONAL LEARNING
BUDGET & RESOURCES
USE OF TIME
CURRICULUM, INSTRUCTION, & ASSESSMENT
TECHNOLOGY & HARDWARE
DATA & PRIVACY
COMMUNITY PARTNERSHIPS
FUTURE READY SCHOOLS
WE SUPPORT FUTURE READY

Overview

CURRICULUM, INSTRUCTION, & ASSESSMENT

PROFESSIONAL LEARNING

COMMUNITY PARTNERSHIPS

DATA & PRIVACY

TECHNOLOGY & HARDWARE

BUDGET & RESOURCES

Technology program is driven by student learning

CURRICULUM, INSTRUCTION, & ASSESSMENT

Four Cs - Communication, Collaboration, Creativity, Critical Thinking

Design Process

Online Testing

Flexibility & Fluency

Personalized Learning

Organizational Skills

Students say ~

> Google classroom is great and I think every grade in every school should use it.

> The project went really well for me. I enjoyed doing the research and publishing on the computer. Publishing and editing went faster for me on the computer than it did on paper.

> I'm not the neatest [writer] in the world so publishing on Chromebooks helped other people read it.

100%
70%
40%
40%
70%
100%

Building capacity, encouraging innovation

PROFESSIONAL LEARNING

“Just in Time”

Professional Development Day 11/8

Visits to other Schools

MAPLE

Needham Courses and Workshops

Conferences

Teachers say ~

> “ This was one of the most useful and constructive workshops I have attended while employed at Needham Public Schools. Seeing the way certain technologies function sparked ways to make my classroom more efficient and expansive in terms of teaching to varied learners.

> “ Overall, I found it useful that we could tap into the expertise that already exists in our building and learn from and alongside each other.

> “ It worked well to be able to choose the workshop most relevant for our specific needs. Workshop leaders did a great job answering questions.

> “ I appreciated the differentiation for each topic so teachers can learn where they are.

We don’t work alone.

COMMUNITY PARTNERSHIPS

External

Parent Teacher Committees

Needham Education Foundation

Needham Youth Services

Needham Channel

50
51
52
53
54
20
21
44
43
42
41
8
9
49
50
51
52
53

DATA & PRIVACY

Digital Tool Adoption Process

Digital Citizenship

Data Systems

It’s not about the boxes and wires…...

TECHNOLOGY & HARDWARE

Wireless

Bandwidth

Classroom Projection Systems

Continuing to Upgrade Network Backbone

TECHNOLOGY & HARDWARE

Mobile Technology in PK-5 Classrooms

FY ‘17 > 900 devices

FY ‘18 > 1500 devices

Middle Schools 1:1

Approximately 1300 students, approx 150 educators

Needham High School 1:1

FY ‘18 - Projected Grade 9 - 440 students

Approx 115 teachers

Budget
25%
50%
70%
10%
20%
02
04
06
12
30%

The budget is our program in numbers.

BUDGET & RESOURCES

Level Service Requests

Licensing Wireless Access Points	$10,500
Software Management System	$15,000

BUDGET & RESOURCES

Additional Funds Requests

NHS 1:1 Chromebook Purchase	$20,000
1.45 FTE TIS Staff	$91,011
0.3 FTE Technology Technician	$19,516
Peak-Time Technology Support	$8,661