

**Wynantskill Union Free School District
Gardner-Dickinson School
2017-22 District Technology Blueprint**

Rationale:

Gardner-Dickinson will prepare our students to meet the rapidly changing technological demands of the 21st century by enabling students to develop a working knowledge of: Creativity and Innovation; Communication and Collaboration; Research and Information Fluency; Critical Thinking, Problem Solving, and Decision Making; Digital Citizenship; and Technology Operations and Concepts.

1. Creativity and innovation

- a. Students will gather data using collaborative electronic authoring tools to explore common curriculum content from multicultural perspectives with other learners.
- b. Students will engage in real world problem solving using digital tools and resources.

2. Communication and collaboration

- a. Students will use a variety of technology in a collaborative setting to research and present information effectively.
- b. Students will participate in cooperative learning projects using an online learning community.

3. Research and information fluency

- a. Students will evaluate digital resources to determine the credibility of the author and publisher, and the timeliness and accuracy of content.
- b. Students will select and use appropriate tools and digital resources to accomplish a variety of tasks and solve problems.

4. Critical thinking, problem solving, and decision making

- a. Students will conduct experiments using digital instruments and measurement devices.
- b. Students will gather data, examine patterns, and apply information for decision-making using digital tools and resources.
- c. Students will employ data collection devices to gather, view, analyze, and report results for content-related problems.

5. Digital citizenship

- a. Students will learn safe, legal, and ethical uses for digital information and technology.
- b. Students will understand copyright, intellectual property, and how to appropriately document sources.

6. Technology operations and concepts

- a. Students will independently apply digital tools and resources to address a variety of tasks and problems.
- b. Students will conceptualize, guide, and manage individual or group learning projects using digital planning tools with teacher support.

By helping students develop these critical skills spiraled throughout their education at Gardner-Dickinson, students will be well positioned for success in higher learning and future professional endeavors.

**Wynantskill Union Free School District
Gardner Dickinson School
Technology Replacement Plan**

Rationale:

In order to meet the technological demands of the aforementioned standards, the following current inventory and five-year replacement plan has been established to ensure the District can meet short and long-term technology goals.

2016 Inventory

219 Laptops / Chromebooks

- 8th Grade 40 Chromebooks (November 2016 Projected State Grant)
- 7th Grade 37 Laptops (15) HP Elitebooks / (22) Surfaces
- 6th Grade 18 HP Elitebooks Laptops
- 5th Grade 43 HP Elitebooks Laptops
- 4th Grade 36 Surfaces Laptops
- 3rd Grade 45 Chromebooks (5 AIS, 1 Mesh)

103 Desktop Towers

21 Elitepads Tablets

15 iPads

2nd Grade 7 iPads

1st Grade 5 iPads

Kindergarten 5 iPads

2022 Projected Inventory

258 Laptops/Chromebooks

- 8th Grade 40 Chromebooks (November 2016 Projected State Grant)
- 7th Grade 40 Laptops (15) HP Elitebooks / (22) Surfaces / 3 Chromebooks
- 6th Grade 40 18 HP Elitebooks Laptops / 22 Chromebooks
- 5th Grade 43 HP Elitebooks Laptops
- 4th Grade 40 - 36 Surfaces Laptops / 4 Chromebooks
- 3rd Grade 45 Chromebooks (5 AIS, 1 Mesh)
- Increased Enrollment/ Repair 10 Chromebooks

105 Desktop Towers (2 additional Pre-K Teachers)

30 iPads

2nd Grade 14 iPads (7 per class)

1st Grade 10 iPads (5 per class)

Kindergarten 10 iPads (5 per class)

2017- 22 Replacement Plan

258 Desktops / Laptops

5% replacement rate of inventory = $13 \times \$200 = \2600

30 iPads

5% replacement rate of inventory = $2 \times \$570 = \$1,140$

105 Towers

25 Towers in Surplus (State Granted; No Hard Drive or RAM memory sticks included)

5% replacement rate of inventory = $5 \times \$150 = \750

12 Projector

2 per year $\times \$1,050 = \2100

8 Network Printers

1 per year $\times \$1,500$

22 Whiteboards

1 per 2 years = $\$2,500$

8 (18 projected) Document Cameras

4 per year = $\$400$

Networking Hardware

6 Battery Backup

4 Battery Backup in Surplus (IT Room)

Battery Backups do not need to be budgeted in 5-year plan

1 Firewall

1 per 5-year plan $\$1800$

15 Switches

Need to be replaced by end of Building Project Accommodate the Voice Over IP

5 per year $\$10,000$ (3 year plan)

Revision Incorporated in Building Plan: Capital Plan Funding

9 Servers

2 per 5 years

1 per year $\$5,000$ (2 year timeframe)

Alternate Option Virtualization

1 Web filter

1 per 5 year $\$5,000$

BOE Approved: May 18, 2017