

# Forestville Central School Technology



## Smart Schools Bond Act (SSBA)

# NYS Smart School Bond Act

Two Billion dollars of general obligation bonds to finance improved educational technology and infrastructure to improve learning and opportunity for students throughout the State.

- Install high-speed broadband or wireless internet connectivity for schools and communities
- Acquire learning technology equipment or facilities, including but not limited to interactive whiteboards, computer servers, and desktop, laptop, and tablet computers
- Construct, enhance, and modernize educational facilities to accommodate prekindergarten programs and to provide instructional space to replace classroom trailers
- Install high-tech security features in school buildings and on school campuses, including but not limited to video surveillance, emergency notification systems, and physical access controls

# NYS Smart School Bond Act

Approved by voters May 2014

Two Billion dollars of general obligation bonds to finance improved educational technology and infrastructure to improve learning and opportunity for students throughout the State.

- School Connectivity
- Classroom Learning Technology
- Pre-Kindergarten Classrooms
- High-Tech Security Features

**Forestville's Allocation**

**\$594,163**

# **Critical elements of a successful plan include:**

- **Demonstration of Need**
- **Adequate Technological Infrastructure**
- **Professional Development**
- **Technical Support**

# **Technology Committee Members**

## **(Stakeholders)**

Renee Garrett - Administrator

Dan Grande - Administrator

Lindsay Marcinelli - Administrator

Jennifer Fitzgerald - Administrator

Michael Murphy – Tech Director

Sarah Borrello - Teacher

Allison Kwilos – Parent/Teacher

Laurie Becker – Parent/Teacher

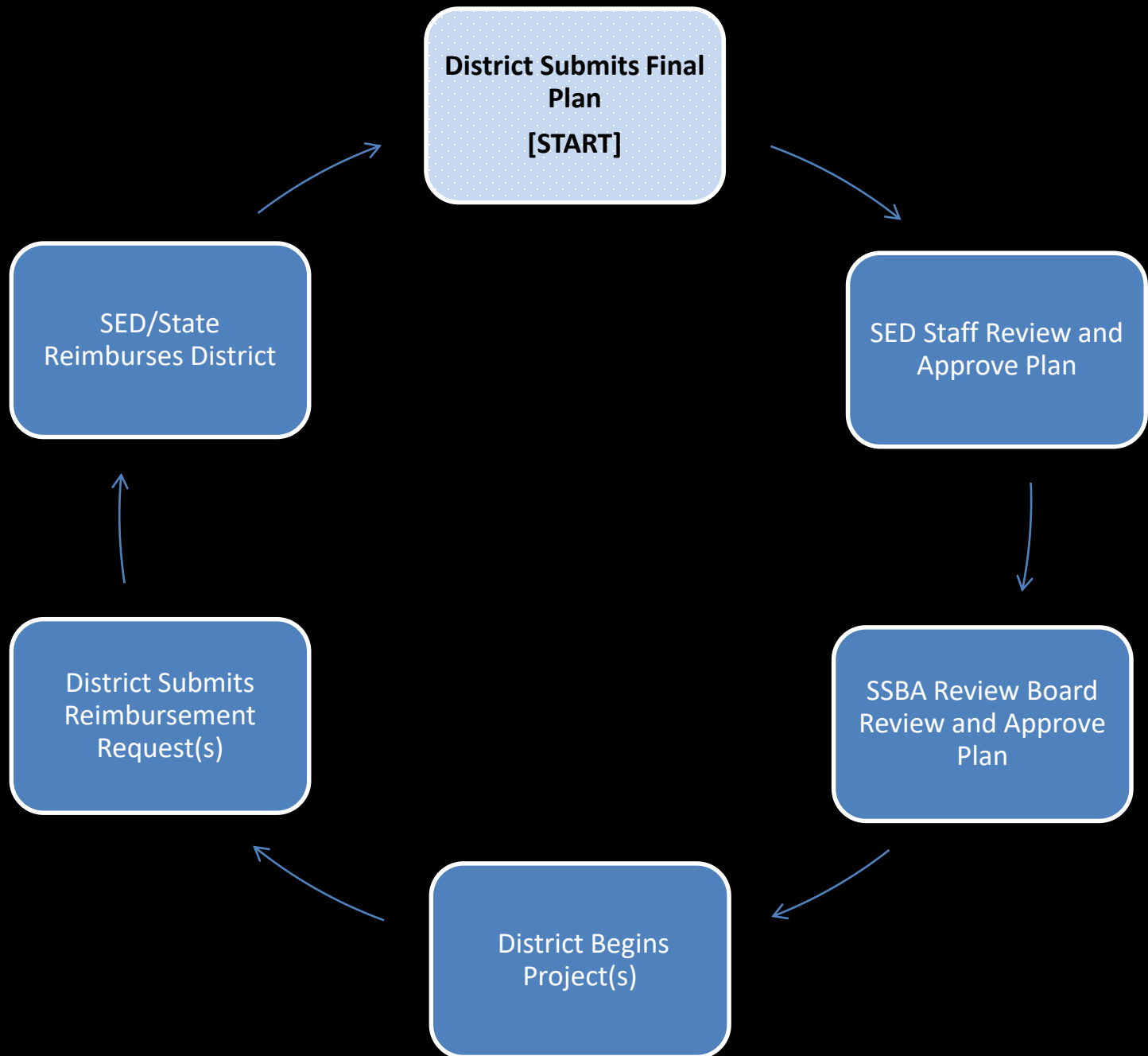
Matt Wisniewski - Teacher

Makayla Press - Student

Sam Reuben - Student

# State Requirements

- State approved Technology Plan on file  
(Approved Sept 2016)
- District Consults w/Stakeholders  
and prepares Preliminary Plan
- Board approves Preliminary Plan (Done 1/7/21)
- Prelim Plan posted on District Website for 30 days
- Board conducts Open Forum (Done 2/4/21)
- Final Plan approved by School Board
- Plan Posted to District Website
- Final Plan submitted to State for approval





# PHASE 1

## STEM-Based Learning Classroom

Started March 2018 – Completed Sept 2020

**\$48,981**

Full Spectrum P-Series 24"x16" Co2 Laser Engraver/Cutter

Large Fume Extractor for Full Spectrum Lasers

CW-3000 Water Chiller for Laser Engraver

CNC Shark HD4 Extended Bed

Stand for Axiom AutoRoute 6 CNC

ToolBox for Axiom CNC Stands

Laguna C/Flux 1.5 hp 1-Micron Cyclone Dust Collector

Laguna Auto Clean Kit for C/Flux:1

Rockler Dust Right 4" Quick Change Shop and Tool Set

Porter-Cable 892 Router

HP ProBook 450 G3 Notebook PC with Intel i5-6200U

# PHASE 1

## STEM-Based Learning Classroom



**Eight New Laptops used for  
Designing, Drawing, and Programming**

# PHASE 1

## STEM-Based Learning Classroom



**Operating one of the four CNC Routers**



# PHASE 1

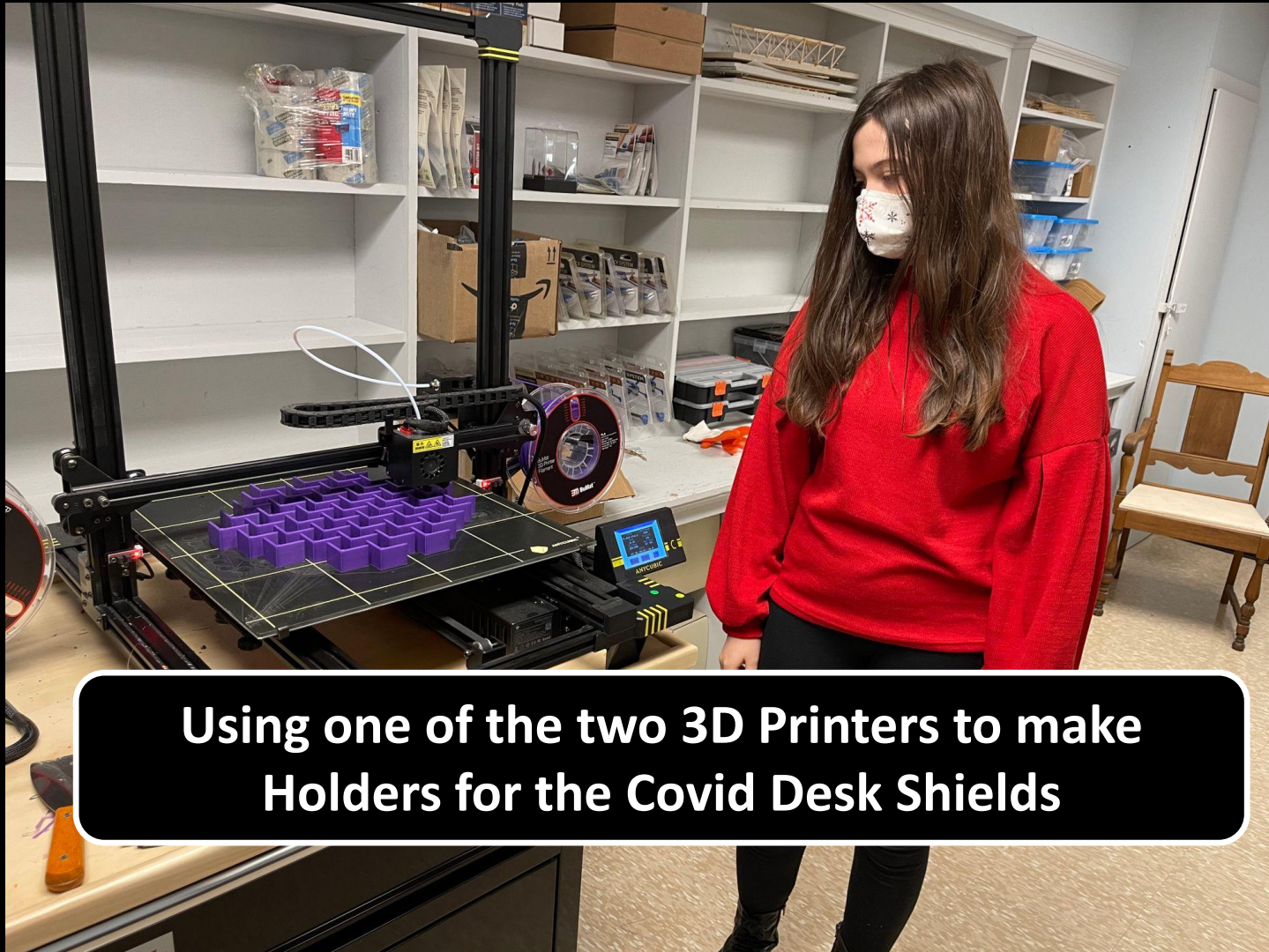
## STEM-Based Learning Classroom



Setting up one of the two Laser Cutter/Engravers

# PHASE 1

## STEM-Based Learning Classroom



**Using one of the two 3D Printers to make  
Holders for the Covid Desk Shields**





# **PHASE 2**

## **Classroom Learning Technology**

### **1:1 Chromebook Initiative**

- **230 Chromebooks**
- **7 Chromebook Charging Carts**
- **Every student in grades Pre-K - 12 is assigned a Chromebook**
- **Grades 3 – 12 Take-Home Privileges**
- **Grades Pre-K – 2 Used in Classrooms and Stored in Cart**

# PHASE 2

## Classroom Learning Technology

### Replacement Schedule Before Funding Cuts

Class of	18-19	19-20	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26	26-27		Year	Model	Qty	+ 10%	Total
2019	12												17-18	3189	70		
2020	11	12											18-19	300e	100		
2021	10	11		500e	500e								19-20	500e	137	14	151
2022	9	10	3189	500e	500e	500e							20-21	AAA	74	7	81
2023	8	9	3189	500e	500e	500e	500e						21-22	BBB	68	7	75
2024	7	8	300e	300e	AAA	AAA	AAA	AAA					22-23	CCC	55	6	61
2025	6	7	300e	300e	300e	BBB	BBB	BBB	BBB				23-24	DDD	60	6	66
2026	5	6		500e	500e	500e	CCC	CCC	CCC	CCC			24-25	EEE	62	6	68
2027	4	5		3189	AAA	AAA	AAA	DDD	DDD	DDD	DDD		25-26	FFF	57	6	63
2028	3	4				BBB	BBB	BBB	EEE	EEE	EEE		26-27	GGG	54	5	59
2029	2	3					CCC	CCC	CCC	FFF	FFF						
2030	1	2						DDD	DDD	DDD	GGG						
2031	K	1							EEE	EEE	EEE						
2032	PK	K								FFF	FFF						
2033		PK									GGG						



# **PHASE 2**

## **Classroom Learning Technology**

### **1:1 Chromebook Initiative**

- **Replace end-of-life Chromebooks**
- **Provide Chromebooks for Pre-K – 2 students**

# PHASE 2

## Classroom Learning Technology

### 1:1 Chromebook Initiative

Google Classroom

Office 365

E-Textbooks

STAR Benchmark and Diagnostics Testing

E-Books and Audio Books Library

Subscription and Free Learning Websites

Zoom Videoconferencing when at home

Assistive Technology Tools For Students With Disabilities

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# PHASE 2

## Classroom Learning Technology

### 1:1 Chromebook Initiative

Item	Make/Model	Unit Cost	Qty	Ext
Chromebooks	Lenovo 500e	\$332.00	230	\$76,360.00
Chrome Management License	Google	\$34.00	230	\$7,820.00
3-year Extended Warranty	Lenovo	\$32.00	230	\$7,360.00
Chromebook Protective Covers	Gumdrop	\$33.00	230	\$7,590.00
Chromebook Carts	Earthwalk	\$1,172.15	7	\$8,205.05
			Total	\$107,335.05

Worst Case Scenario for Prices and Options

**Remaining funds in SSBA – Approx. \$437,874**

## **PHASE 3**

# **Classroom Learning Technology Interactive Classroom Displays**

- **Replace end-of-life Smartboards in Elementary**
- **Replace end of life Projector systems in MS/HS**
- **Currently Beta Testing Different Solutions**

# Forestville Website Resources

## [www.Forestville.com](http://www.Forestville.com)



- **Smart School investment Plan (SSIP)**
- **This PowerPoint Presentation**

# Forestville Central School



## Smart Schools Bond Act (SSBA)