



# PUTNAM VALLEY CENTRAL SCHOOL DISTRICT

*Our Vision: "The Child First and Foremost: Building a Foundation for the Future"*



## Capital Projects Maintenance Health & Safety Transportation

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# Capital Projects

Elementary School Makerspace and Auditorium

Middle School Addition/ Renovation

Health And Wellness Center

What's Next?

Elementary  
School

Makerspace





# Auditorium



# Stage





# Putnam Valley Middle School



# Middle School Addition

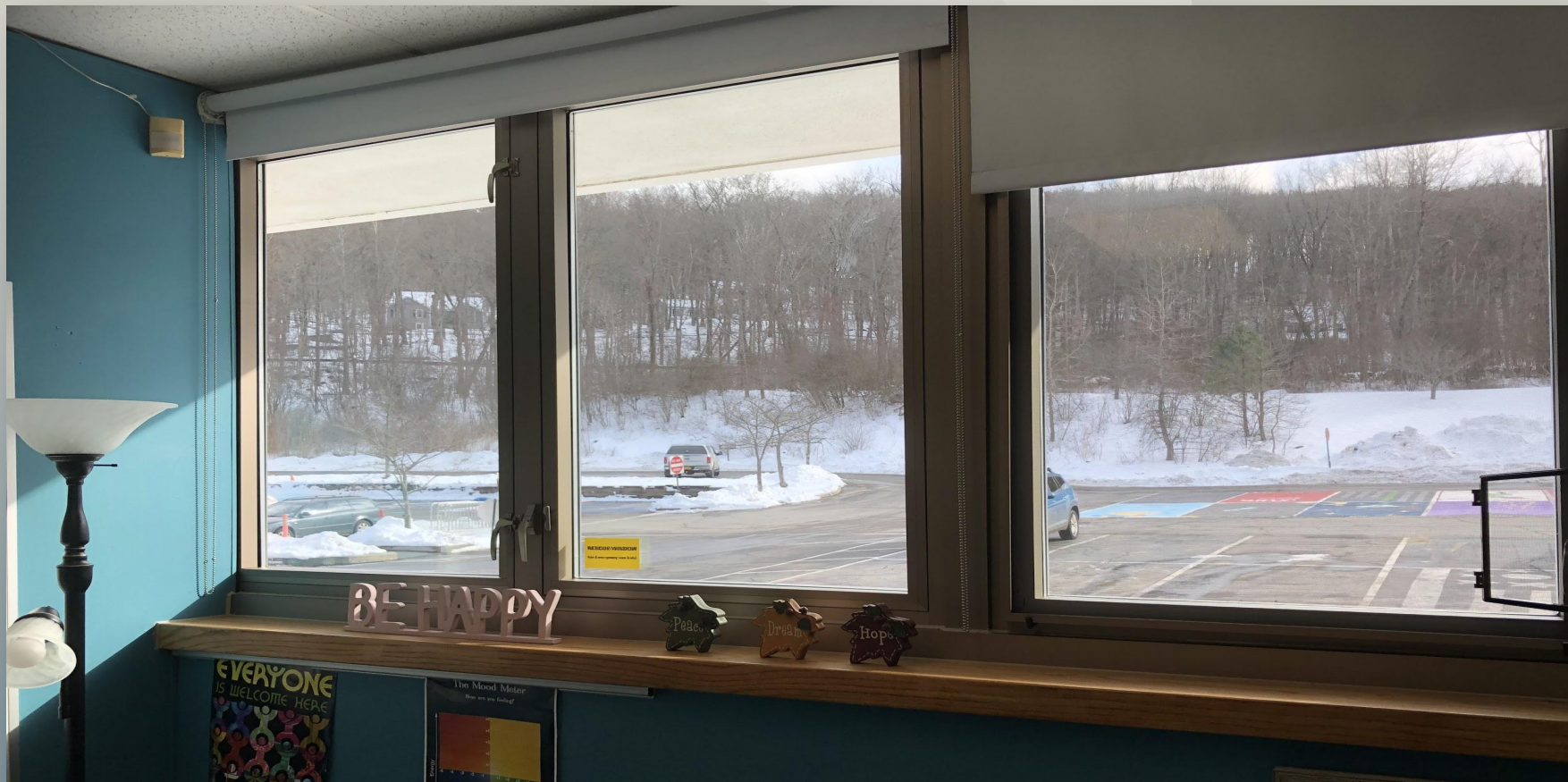
- (Time Lapse Here)

# Windows Before





# Windows After



# Bathrooms Before



# Bathrooms After





# Stage



# Servery



# Social Commons





# Maker Space



# Learning Commons



# Gymnasium





# Health and Wellness Center

- (Time Lapse here)



# What's Next?

## Middle School Renovation- Phase 2

- Bathrooms

## 5 Year Capital Plan - Assess Infrastructure Needs

- High School Roof
- HS/MS Parking Lot
- Elementary School Domestic Water



# Other Facility Improvement Ideas

- Elementary School Upper Field Expansion
- Baseball/ Softball Dugout Roofs
- HS/MS Athletic Area Fencing
- HS Courtyard Redesign
- Electric Car Charging Stations
- Additional Solar Arrays
- Elementary School Walking Trail

# Capital Project Questions ???

# Maintenance, Health & Safety

## Maintenance Challenges:

- 18,000 additional square feet to maintain
- Significant additional Covid-19 protocols to perform
- Budget Constraints = Zero increase in staffing

How do we do it?



# Leveraging District Resources to Maximum Effect

- Utilize Skill Sets of Existing Staff
- Internalize Work
- Supply the Tools
- Include the Staff- Culture of Innovation & Sustainability
- Technology
- Insourcing

Examples:

# Electrostatic Sprayers



# On-Site Disinfectant Generator





# Salt + Water + Electricity = Covid Killer

Disinfectants have been increasingly scarce and expensive. So we decided to make our own.

- Uses Similar Technology to a salt water pool
- Produces Hypochlorous Acid (HOCL), a CDC approved disinfectant
- Also produces Sodium Hydroxide (NaOH), a highly effective degreaser/cleaner
- Both products are environmentally friendly and safe
- Eliminates the need to purchase 90% of cleaning chemicals

# QR Codes



# In-House HVAC Technician/ Master Plumber

- HVAC Savings
- Plumbing Savings



# Operations & Maintenance Staffing

## Director of Operations and Transportation

(This position is funded across 2 budget lines: Operations & Maintenance and Transportation)

<b>Operations Office Clerical</b>	1.4
<b>Head Custodian HS/MS Campus</b>	1.0
<b>Head Custodian ES Campus</b>	1.0
<b>Custodial Workers</b>	4.0
<b>Cleaners</b>	9.0
<b>Grounds/Custodial</b>	3.0

*Staff maintains 3 schools totaling 290,000 sq. ft. on 72 acres*

Maintenance, Health & Safety Questions ?????

# Operations Budget Summary

- Custodians, Grounds Keepers, Cleaners – **No Change** =
- Maintenance Supplies – **Decrease** ↓
- Heating Oil – **Decrease** ↓
- Electricity Costs- **Decrease** ↓
- Propane- **Increase** ↑
- HVAC – Increase (Stony Point), **Decrease Overall** ↓
- Plumbing- **Decrease** ↓



# Transportation

## Challenges:

New Covid-19 protocols

Driver Quarantines

Daily Schedule Changes

Lunch Deliveries

## Results:

Zero Service Failures!

# Transportation Staffing

- Director of Transportation

FTE

- Head Bus Driver 1.0
- Clerical, Drivers, Mechanic, Monitors 17.0
- Retirements: 2 Bus Drivers

\*The responsibilities of the Director are distributed between Operations, Maintenance and Transportation.

# Transportation Vendor

Transportation Contract:

20 large buses, 8 minivans and sports runs.

# Transportation Budget

In-house Staffing- No Change =

Equipment- Increase ↑

Fuel- No Change =

Transportation Contract Vendor- Increase ??? Depends on Contract



Transportation Questions ?????