BOARD OF EDUCATION ADMINISTRATIVE REPORT
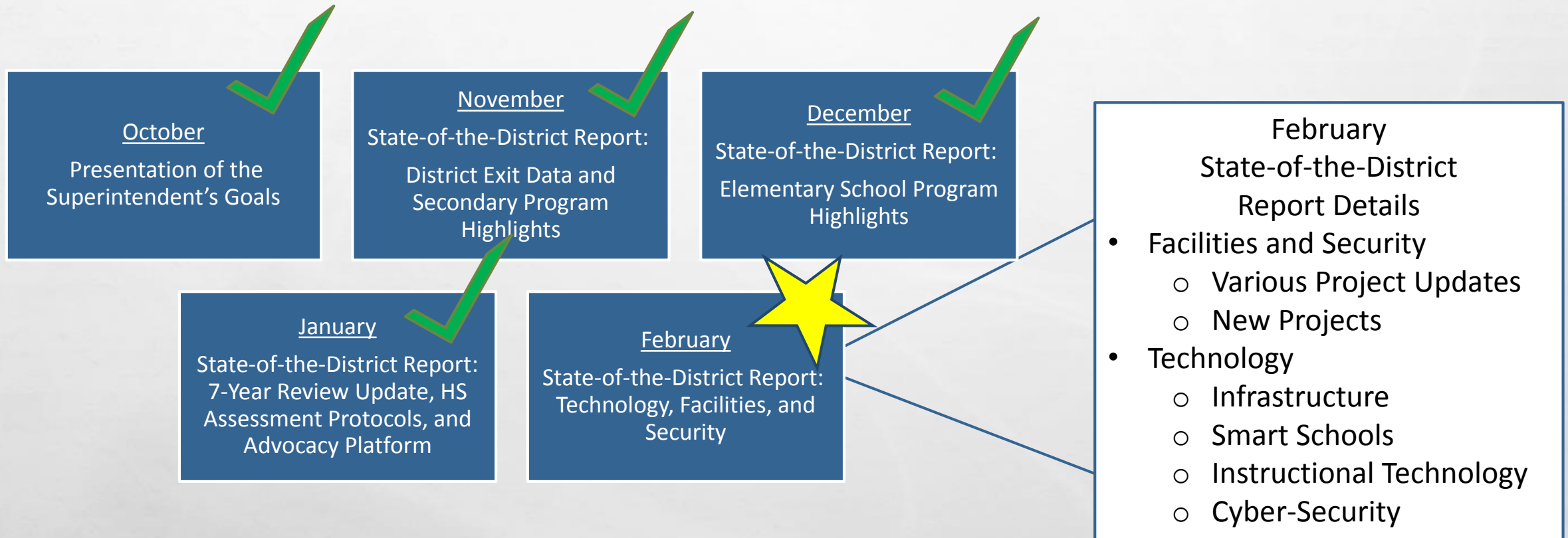
COMMACK UFSD

FEBRUARY 16, 2017
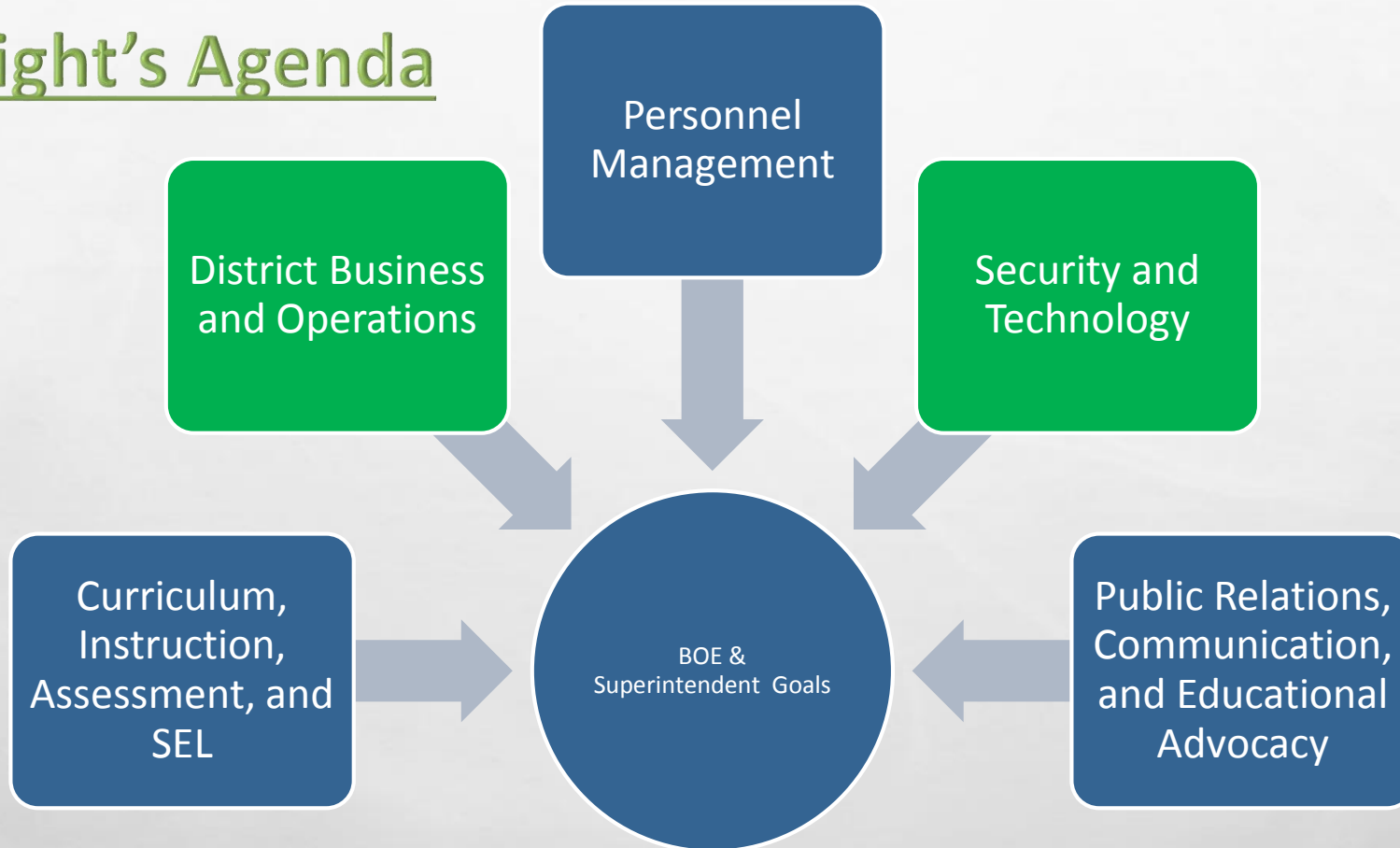
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STATE OF THE DISTRICT: 2016-2017 TIMELINE

October
Presentation of the Superintendent's Goals

November
State-of-the-District Report:
District Exit Data and Secondary Program Highlights

December
State-of-the-District Report:
Elementary School Program Highlights

January
State-of-the-District Report:
7-Year Review Update, HS Assessment Protocols, and Advocacy Platform

February
State-of-the-District Report:
Technology, Facilities, and Security

February
State-of-the-District Report Details
- Facilities and Security
  - Various Project Updates
  - New Projects
- Technology
  - Infrastructure
  - Smart Schools
  - Instructional Technology
  - Cyber-Security

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WORKING TOWARD GOAL ATTAINMENT

On Tonight's Agenda

Personnel Management

District Business and Operations

Security and Technology

Curriculum, Instruction, Assessment, and SEL

BOE & Superintendent Goals

Public Relations, Communication, and Educational Advocacy

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FACILITIES AND SECURITY

PRESENTED BY MR. RICHARD SCHRAMM

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FACILITIES AND SECURITY: OVERVIEW

Meeting Mandates

Completed Capital Projects

Completed Facilities Projects

Our Facilities: Looking Ahead

Security Enhancements

MEETING MANDATES

"Lead in Drinking Water" Testing Completed in Accordance with the USEPA and NYSDOH

Building Condition Survey & Five-Year Capital Plan Completed

AHERA Three Year Re-inspection Completed

Lead testing resulted in 100% compliance with current regulations.

Coming Up Next

Asbestos inspection resulted in a successful assessment of all remaining ACM.

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BUILDING CONDITION SURVEY / FIVE YEAR CAPITAL PLAN

All 8 School Buildings	Hubbs	Maintenance Office Buildings and Grounds
Burr Road Maintenance Shop and Shed	Sagtikos School	Cedar Road School
Long Acres	Old Farms	Smith's Lane

PURPOSE OF THE FIVE-YEAR CAPITAL PLAN: THE INTENT IS TO ASSIST THE BOE AND ADMINISTRATION WITH PRIORITIZING EXISTING BUILDING NEEDS, WITH AN OVERALL FOCUS ON HEALTH AND SAFETY ISSUES.

FINDING OF THE BUILDING CONDITION SURVEY: THE OVERALL CONDITION OF THE BUILDINGS IS GOOD.

Project Examples (may occur in one or locations school):

Parking lot reconstruction, sidewalk reconstruction, chimney reconstruction, roof replacements, VAT replacements, fire safety upgrades, exterior wall reconstruction, electrical upgrades, interior door replacements, door hardware replacement, boiler repairs, emergency lighting systems, plumbing and restroom reconstruction, and more….

COMPLETED CAPITAL PROJECTS

Indian Hollow

- Sidewalk/curbing replacement and restroom renovations

Commack High School

- Removal of High School temporary classrooms

CHS Site Restoration Project

- Includes the replacement of South Gym bleachers and turf field visitor bleachers is awaiting SED approval

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COMPLETED FACILITIES PROJECTS

Each of Commack's Schools Benefited
from Facility Improvements at Varying Degrees

Installation of filtered water fountain/bottle filling stations throughout the District	Gym floor refinished at Burr, gym and stage floor refinished at Indian Hollow	Library floors replaced at Rolling Hills & Wood Park	Classroom/office floors replaced at High School, Middle School, North Ridge, & Rolling Hills	Window blind replacements at High School, North Ridge, & Wood Park.
Dean's office renovation at High School	Air conditioning installation in research lab at High School	Renovation of D2-8 at Middle School	Additional sidewalks installed at Burr	Renovation of the art storage room and Room 106 at Burr
Replaced casework in nurses' office at Sawmill	Construction of "Special Ed Suite" at Sawmill	Replaced playground asphalt at North Ridge	Replaced classroom sink bases at Wood Park	Renovated Room 10 at Rolling Hills

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LOOKING AHEAD TOWARDS FACILITY IMPROVEMENTS

Phase II Energy Performance Contract (SED submission pending)

- LED lighting upgrades - districtwide
- Boiler replacements - Rolling Hills & North Ridge
- Roof replacements - High School, Indian Hollow, & Rolling Hills
- Photovoltaic electrical generation (solar) – High School, Indian Hollow, Rolling Hills, & North Ridge
- Cogeneration plant installation – Burr & Sawmill
- Controls system refurbishment – Districtwide
- Plug load management - districtwide

EPC Phase 2 Highlights

- At no cost to the taxpayer

- Projected cost: $14,575,507

- District Annual Energy Savings - $752,510 (32%)

- Payback Period: 17.9 Years

- Saving Guaranteed: 100%

Positive Cashflow: $6,369,828

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ENHANCING DISTRICT SECURITY

2015-16 Security Enhancements

- 162 security cameras were added bringing the total to 325 cameras district-wide
- Installation of emergency back-up generator to sustain phone/data systems during outages
- Installation of Visitor Management System in all school buildings

2016-17 Security Enhancements

- Developed an updated and standardized building-level and districtwide Emergency Response Plans in accordance with New York State regulations
- Require 12 evacuation and 4 lockdown drills annually; in excess of NYS requirement of 8 evacuation and 4 lockdown drills
- Required NYS security guard training performed annually with a focus on school safety
- Security staffing levels at all schools have remained consistent; school days and evenings

Pending Enhancements

- Door hardening equipment
  - 2 of 6 elementary school complete
  - Commack Middle School and Commack High School pending Smart Schools Approval
- Security vestibules at each school being investigated

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TECHNOLOGY

PRESENTED BY MR. DINO VASSINO AND MR. MICHAEL INFORNA

TECHNOLOGY

Instructional Technology Update	Smart Schools Update
Infrastructure Development	Continuous Assessment, Evaluation, and Development of Cyber Security

INSTRUCTIONAL TECHNOLOGY: DISTRICT VISION & GUIDING PRINCIPLES

TO PROVIDE TEACHERS AND STUDENTS WITH ANYWHERE, ANYTIME ACCESS TO INSTRUCTIONAL TECHNOLOGY TO ENHANCE TEACHING AND LEARNING IN THE MOST SECURE ENVIRONMENT POSSIBLE.

WHAT O365 LOOKS LIKE IN THE CLASSROOM

IS TO BE DESIGNED BY COMMACK TEACHERS

Remain in the most secure environment as possible through continuous security review	Provide technology tools that promote 21st century skill development	Training will be differentiated and continuous to meet staff where they are and to get them where they want to be
Microsoft Trust Center	*ISTE Standards for Students*	

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INSTRUCTIONAL TECHNOLOGY UPDATE

FOR STUDENTS, FAMILIES, AND STAFF

Anywhere, anytime access to the Microsoft tools!

Availability to download Office 365 applications for up to five (5) devices plus 1 TB of free, off-site storage.

Students can access and share school work from anywhere with mobile apps that seamlessly sync to your devices at home and school.

Teacher-designed authentic learning activities where students will acquire skills necessary for secondary and post-secondary education (college)!

Teachers will be able to guide students through a lesson, see their progress, and keep them on track, all remotely!

Training

- Teachers earning Microsoft Innovative Educator Status
- 8 Summer Workshops Well Attended
- Training Provided to Clerical Staff
- Faculty and Department Meetings Devoted to Training
- Many Hours of After-School PD Devoted to Learning More
- All Students at CHS Received One Period of Office 365 Basic Training
- Future Pilot of Use in Grade 5
- Cohort Learning: Microsoft Learning Pathways

Beginning in 2017-18
Evaluation and pilot of a new communication tool, like an eBoard, for students, parents, and teachers. To be implemented in 2018-19.

Collaborate with Office Online

OFFICE 365 – USER DATA
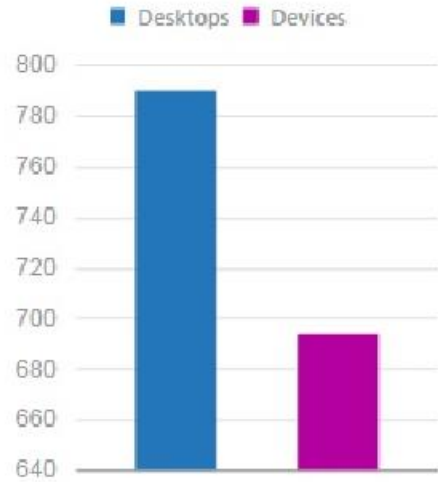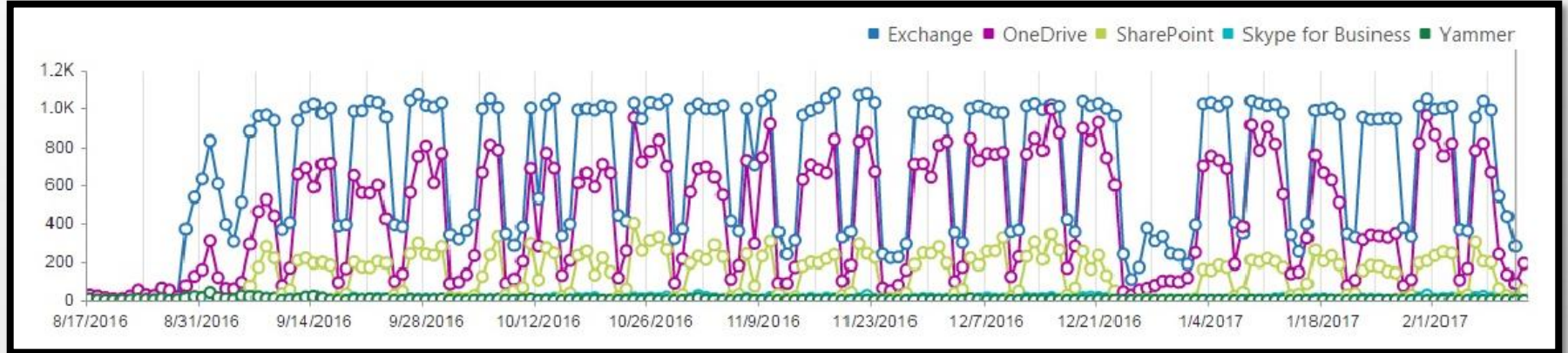
SMART SCHOOLS UPDATE

OUR SUBMISSION REMAINS IN THE NYSED PROCESS

Original submission in May 2016 → SED requested revisions in August 2016; which were immediately made and submitted → December 21 we learned of approval by the NYSED Department of Facilities Planning → The project went back to the Smart Schools team at SED where it remains
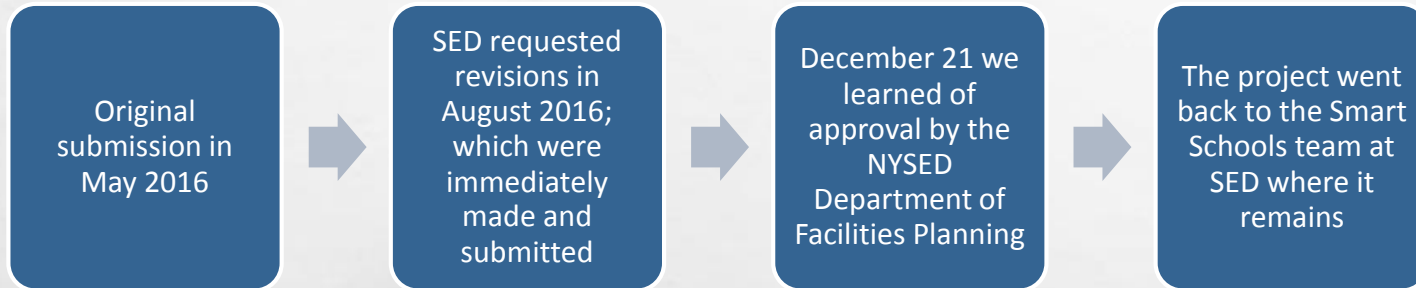
Next Steps

Continue to wait for SED approval of Smart School Investment Plan #1

Spring 2017, bring back together the Smart Schools Committee to gather input on Phase 2

Proposed Investment Plan #1

- School Connectivity **approx. $880,314**
  - Includes building-to-building fiber, upgrades to switches and routers at data centers and all 8 buildings, updates to computer labs, firewall upgrades, and network management system

- Classroom Technology **approx. $826,610**
  - Includes 130 interactive whiteboards, 1,667 HP Stream netbooks, 100 classroom mounting systems, and various equipment upgrades to AV program at CHS

- High-Tech Security **approx. $500,000**
  - Includes door hardening projects at CHS and CMS, upgrades to District phone system, and UPS and backup generators for security systems

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INSTRUCTIONAL TECHNOLOGY UPDATE

MIGRATING TO OFFICE 365

Migrated all 1500 mailboxes to O365 Offsite Exchange Server	Created over 6,500 District staff and student accounts on O365 and set up account synchronization	Implement Skysync tool to synchronize user home folders to O365	Microsoft Foundational Principles of Cyber-Security align to District standards

We build our Trusted Cloud on four foundational principles

Security	Privacy	Compliance	Transparency
We build our services from the ground up to help safeguard your data >	Our policies and processes help keep your data private and in your control >	We provide industry-verified conformity with global standards >	We make our policies and practices clear and accessible to everyone >

Office 365

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Office 365

BUILDING OUR INFRASTRUCTURE

New server deployments for CHS, CMS, and Hubbs to provide increased performance
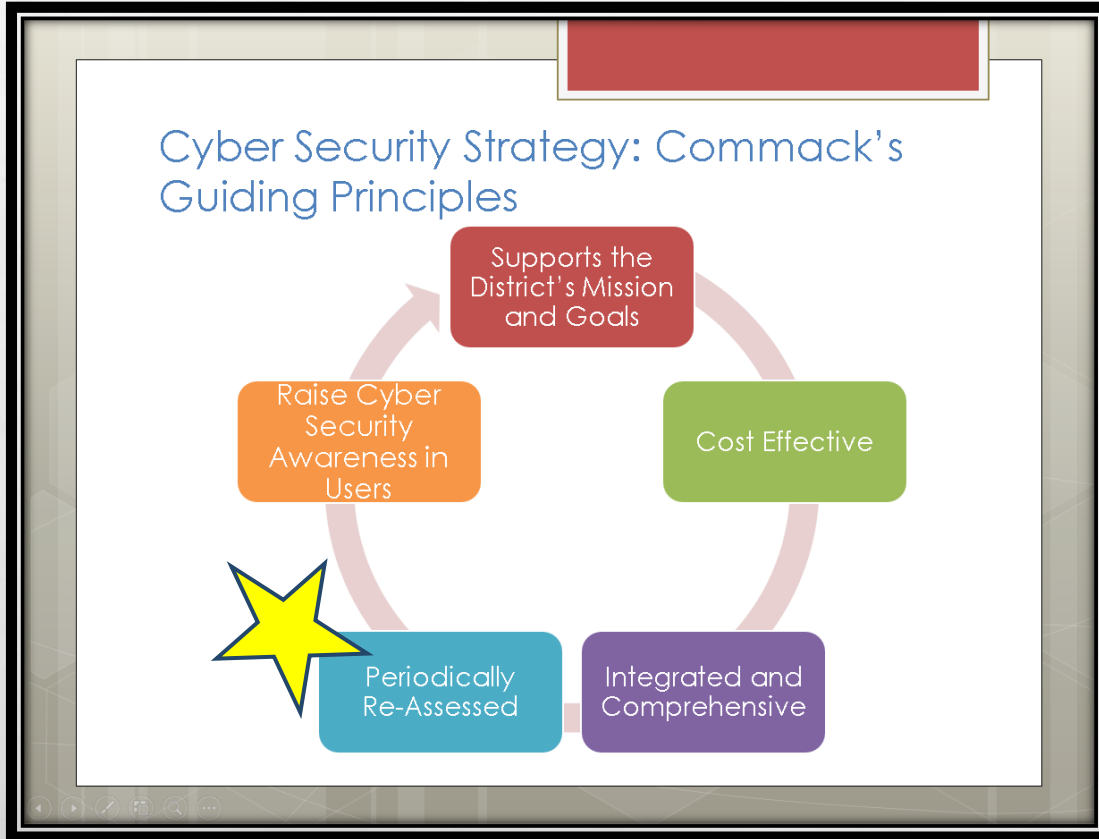
Reconfigure District servers in preparation for further consolidation

Move District web server offsite

Cedar Road – New cabling, computers, install Smart Board, and upgrade network
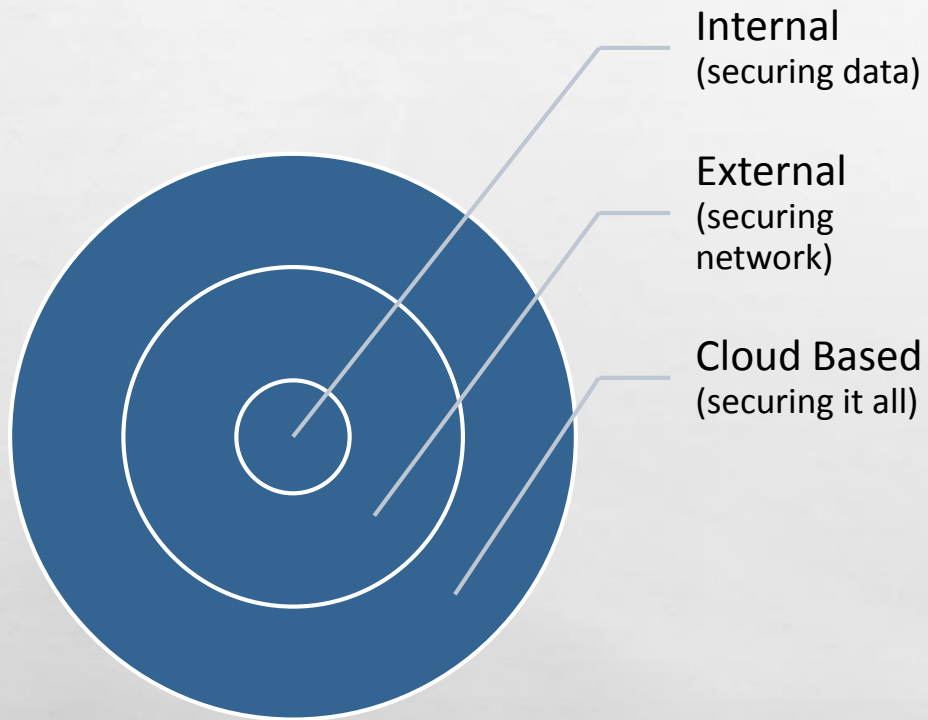
CMS – Data Center preparation, install new Internet/voice connection for Smart Schools prerequisite
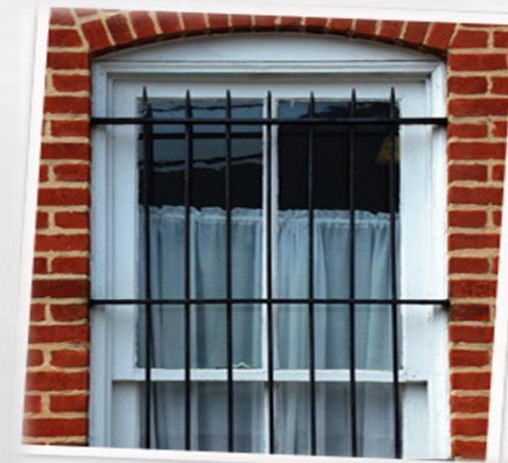
CYBER –SECURITY UPDATE

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CYBER –SECURITY UPDATE

Protecting Three Different Environments

Internal
(securing data)

External
(securing network)

Cloud Based
(securing it all)

Defining Privacy and Security
"The Bars and the Drapes"

CONTINUOUS ASSESSMENT, EVALUATION, AND DEVELOPMENT OF CYBER-SECURITY

DynTek, Inc. Security Consultant Recommendations and Current Status:

Add additional technical staff (completed)	• 1 additional technician has been added through BOCES technical services
Fortify our existing security infrastructure (completed)	• Secure password policy, lockdown active network components, increase log retention, network penetration testing, and logon email notification
Implement recommended hardware, software, and policy to meet goals (in process)	• Recommended hardware and software are either in process, budgeted for, or waiting for Smart Schools funding. Policy is currently under review

In Process

RESULTS OF DYNTEK, INC. ASSESSMENT AND ADDITIONAL SECURITY ENHANCEMENTS: EXISTING RISK & SECURITY CONTROLS

Cyber-Security Measures Recently Enabled

- Strong Password Policy
- Enhanced Firewall Policy
- Idle Log Off Time
- Drafted Updated BOE Policy
- Penetration Testing
- Physical Security
- Email Logon Notification
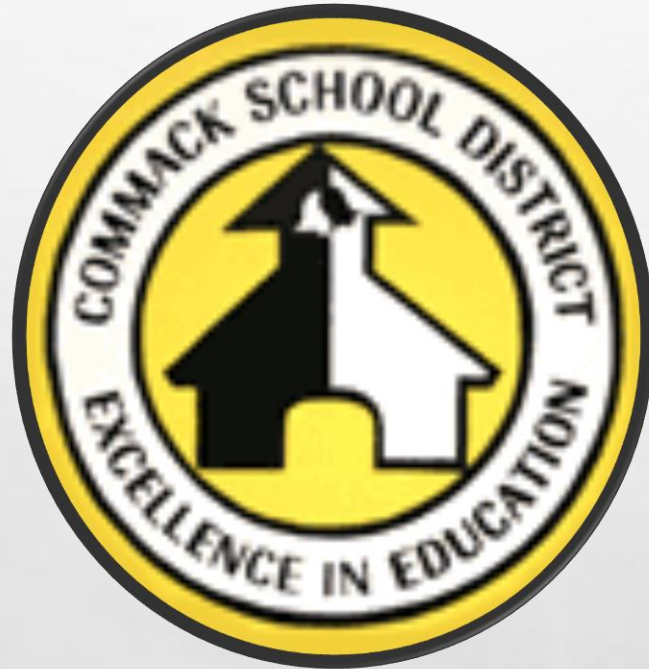
Future Cyber-Security Measures to be Enabled

- Cloud Protection-Based Services
- Intelligent Network Threat Analysis
- Advanced Anti-Malware
- Internal Firewall
- Staff Training
- Updating BOE Policy

Presented in generalizations to keep security measures secure!

Additional Cyber-Security Assessment in 2016-17

WELCOME TO THE NYS RIC DATA SECURITY & PRIVACY RESOURCE CENTER

Commack UFSD Password Assessment
Prepared by: Mohawk Regional Information Center
January 10, 2017

THANK YOU!