

**Commack UFSD**  
**February 28, 2019**  
**Administrative Report**


# Completed and Upcoming Meetings

October 18, 2018

- Policy Workshop


November 18, 2018

- BOE Meeting
- State of the District: Summary of Related Actions for All BOE Goals; Plant & Facilities State of the District Presentation (incl. Security)



December 13, 2018

- BOE Meeting
- State of the District: Elementary Instruction State of the District Presentation




December 20, 2018

- Policy Workshop (Rescheduled from Nov. 15)



January 10, 2019

- BOE Meeting
- State of the District: Secondary Education State of the District Presentation; Communications Steering Committee Presentation



January 24, 2019

- Policy Workshop

**Policy Review Completed**

February 28, 2019

- BOE Meeting
- Technology, Athletics, Etc. State of the District Presentation



# Tonight's Agenda



Technology  
Program:  
State-of-the-  
District

Growing Access  
and Opportunity:  
College and Career  
Learning

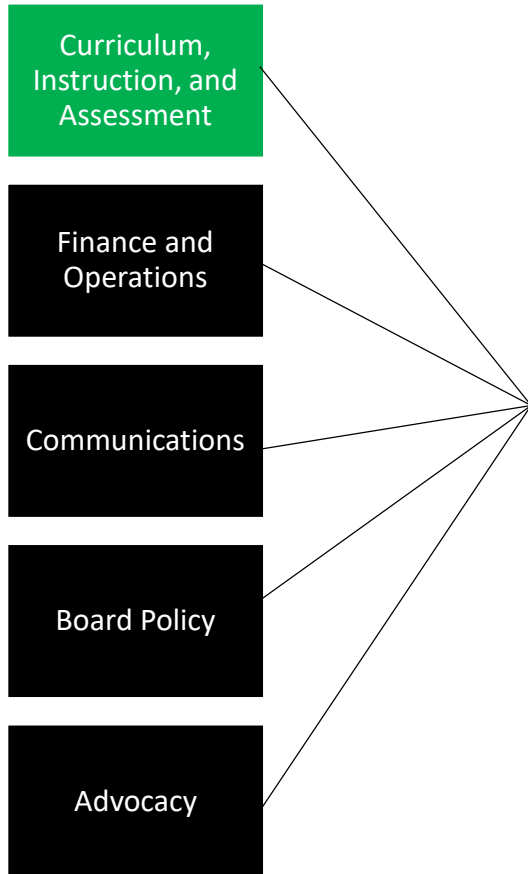
Physical Education  
and Athletics:  
State-of-the-  
District

Various Committee  
Updates

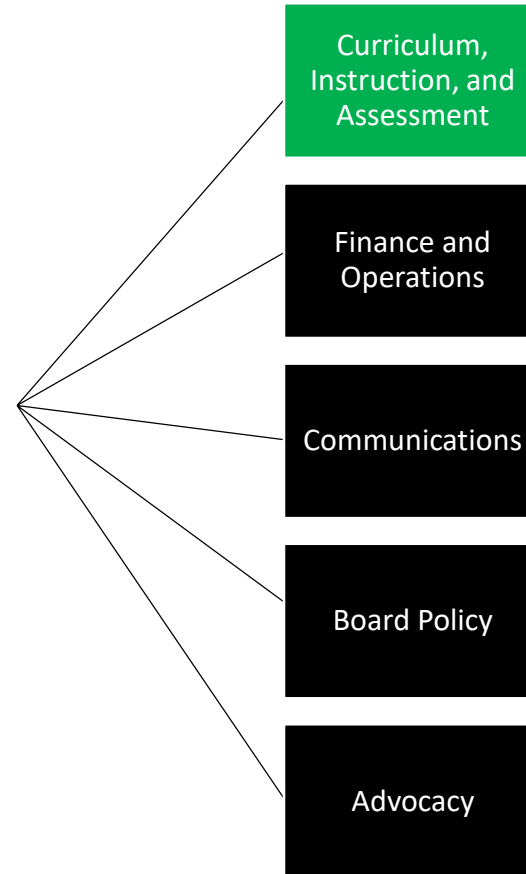


# Board of Education Goals and Related Superintendent Goals in the Areas of:

## Board Goals



## Superintendent Goals



# Instructional Technology Department: State-of-the-District

## Instructional Technology Update

- CMS and CHS Technology Education Department Highlights
- Preparing for Smart Schools Devices at CHS

## Infrastructure Update

- Infrastructure Development
- Cyber Security Update
- Device Inventory and Deployment
- Short-Term and Long-Term Planning

**COMMACK SCHOOL DISTRICT**  
*Excellence in Education*

# Instruction Technology Department: Guiding Principles

Remain **secure as possible** through continuous review and improvement of our cyber-security practices

Provide the instructional technology tools and technology infrastructure that directly **supports the educational program** and the mission of the District

**Enhance teaching and learning** with the use of instructional technology, **as designed by the Commack educator**

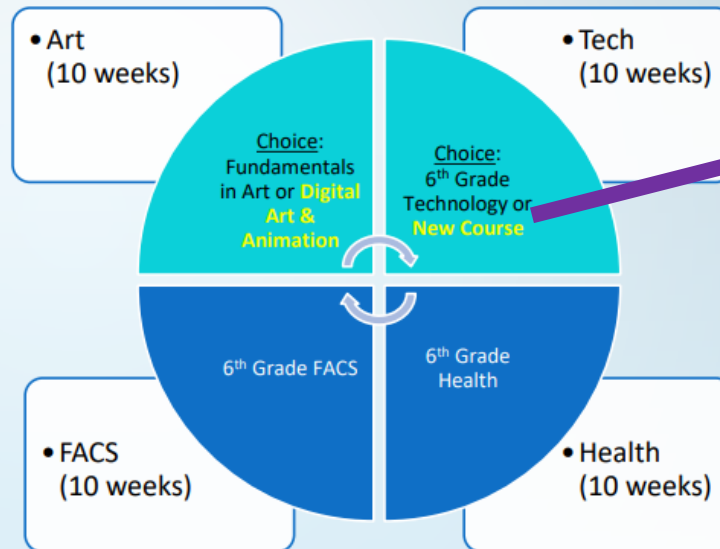
**Provide staff and students with various learning opportunities** at the individual, team, and organizational level to optimize teaching and learning with instructional technology

# Commack Middle School: Technology Education Department Highlights

Mr. John Murray  
Technology Education Teacher

## 6<sup>TH</sup> GRADE ENRICHMENT, ACCESS, AND OPPORTUNITY

- Adding 6<sup>th</sup> Grade Enrichment in a manner that would mirror the 7<sup>th</sup> & 8<sup>th</sup> Grade Enrichment would prohibit 20% to 30% of students from accessing this program during the school day (after school option only).
- The alternative that would allow 100% of students to engage in 6<sup>th</sup> grade enrichment, access, and opportunity is adding choice to the Wheel.



Innovation Technology 6  
158 Students Enrolled in 2018-19  
38% of Sixth Graders

Use of instructional technology  
to simulate design before  
production.

# Commack Middle School Design Technology

## 2017-2018

**Traditional Introduction  
to Technology**

**VEX Robotics**

**STEM**

**6<sup>th</sup> Grade**

**8<sup>th</sup> Grade**

**7<sup>th</sup> & 8<sup>th</sup>  
Grade Enrichment**

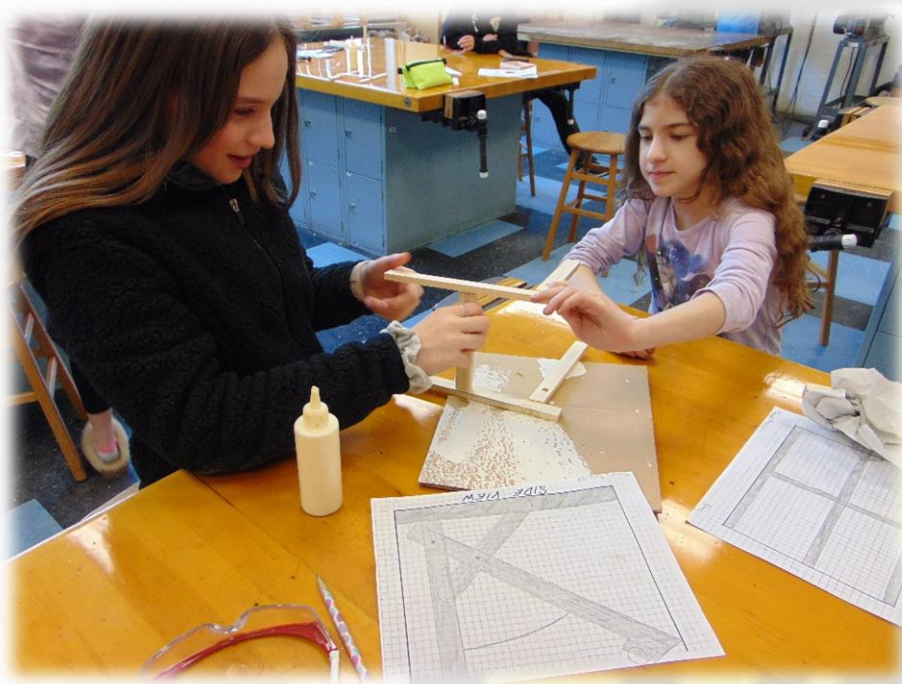
## 2018-2019

**Innovations in Technology  
Or Traditional Technology**

**VEX + Clock Design**

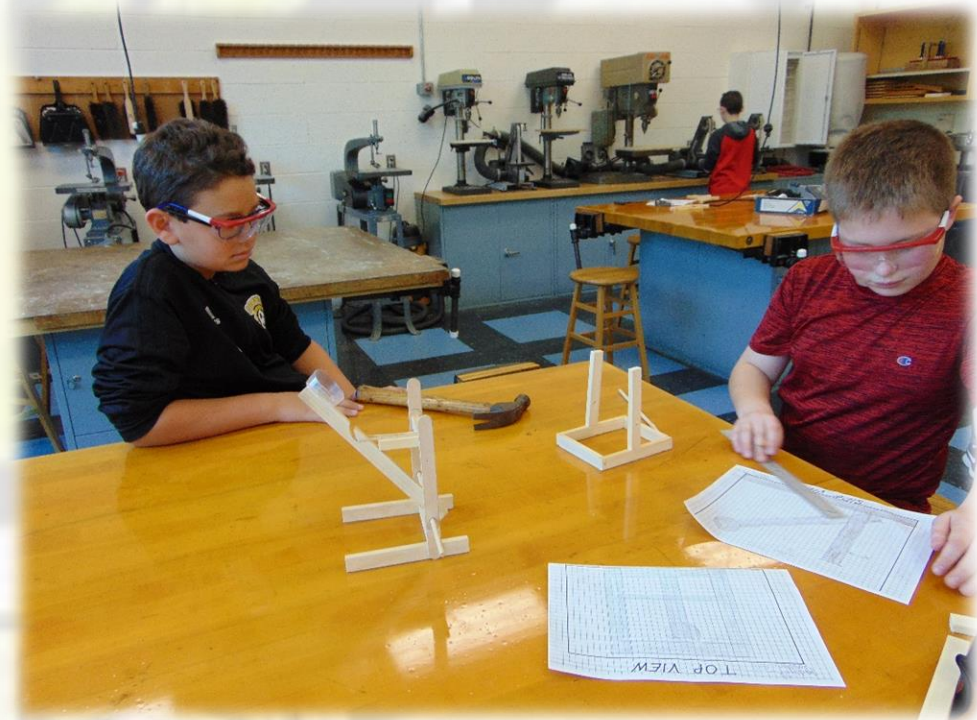
**Building and Beyond &  
STEM**





# Innovations in Technology

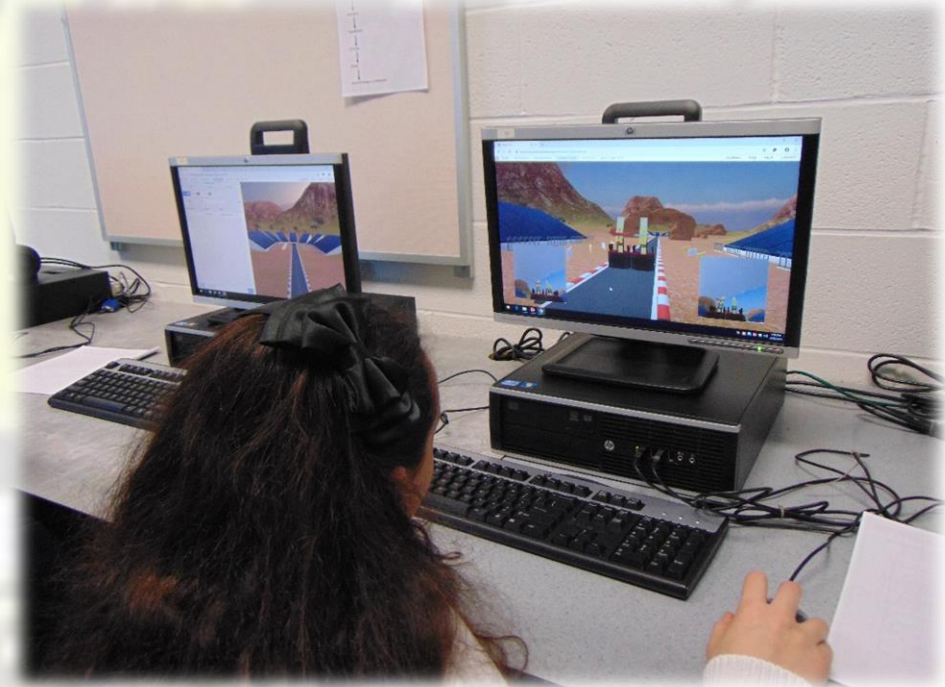
Catapults:  
Design &  
Manufacturing





# Innovations in Technology

Gliders:  
Design &  
Simulation



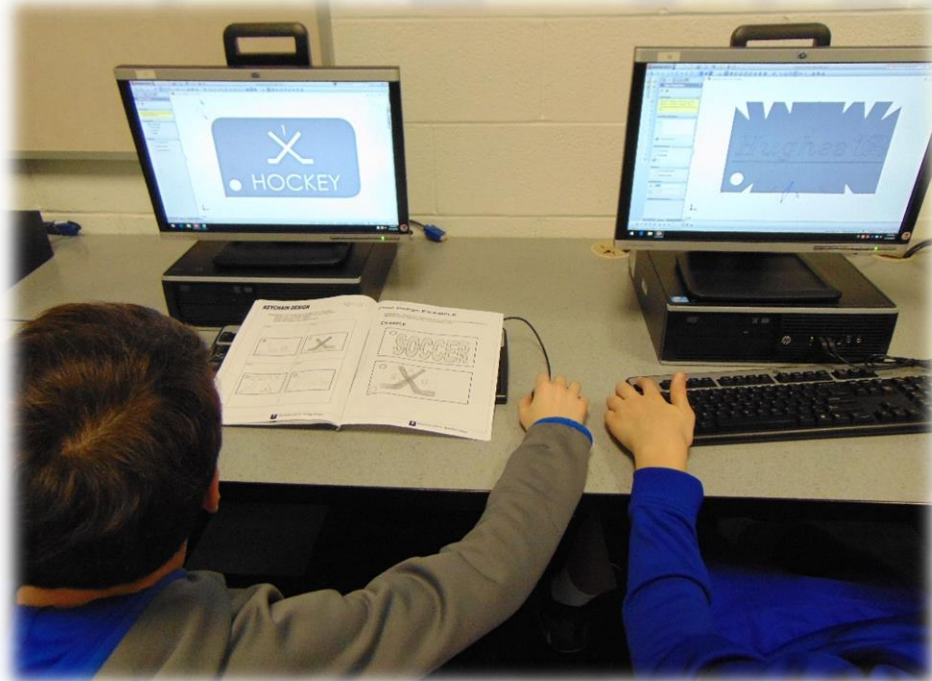


# Innovations in Technology

Gliders:  
Manufacturing  
& Test

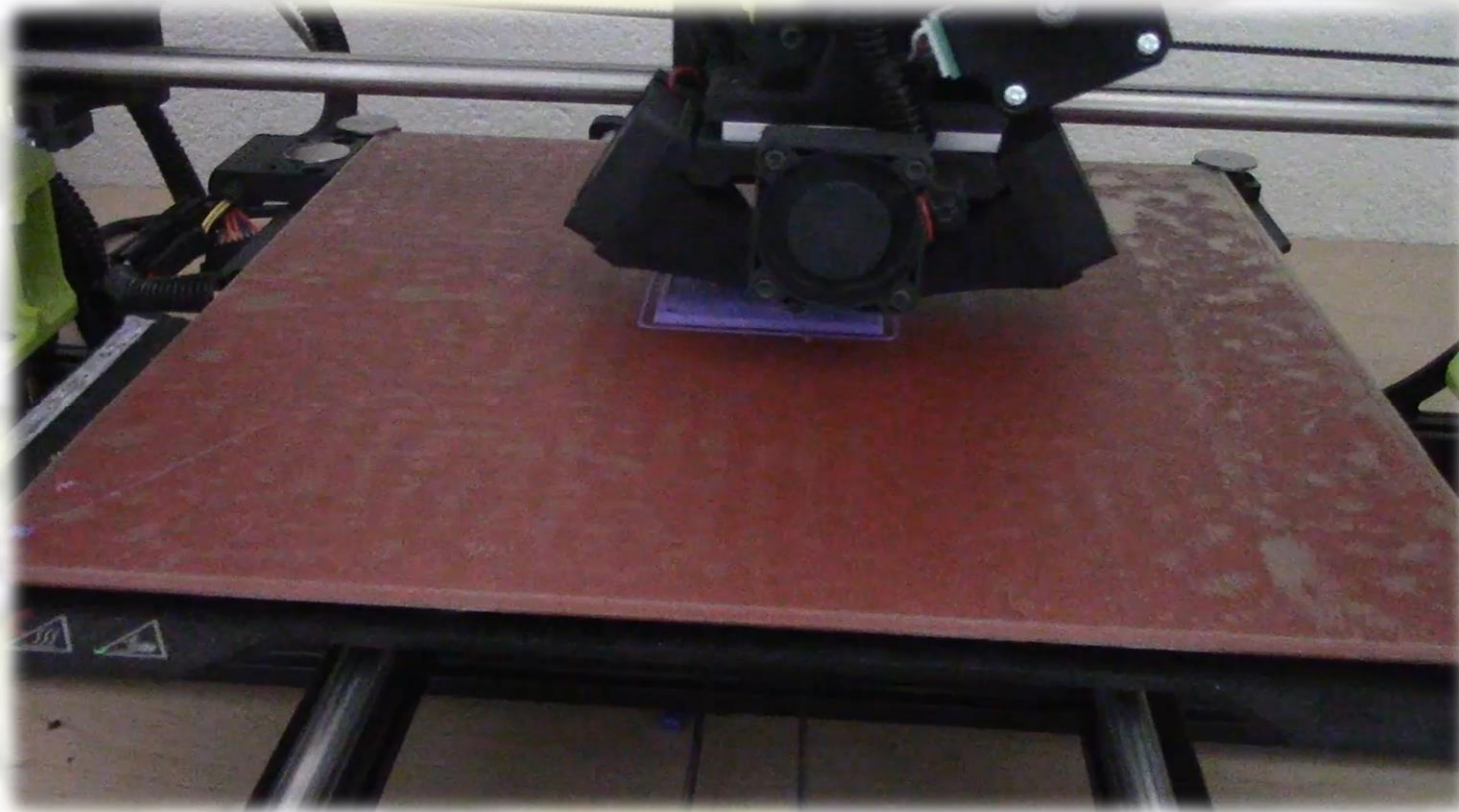


# Innovations in Technology



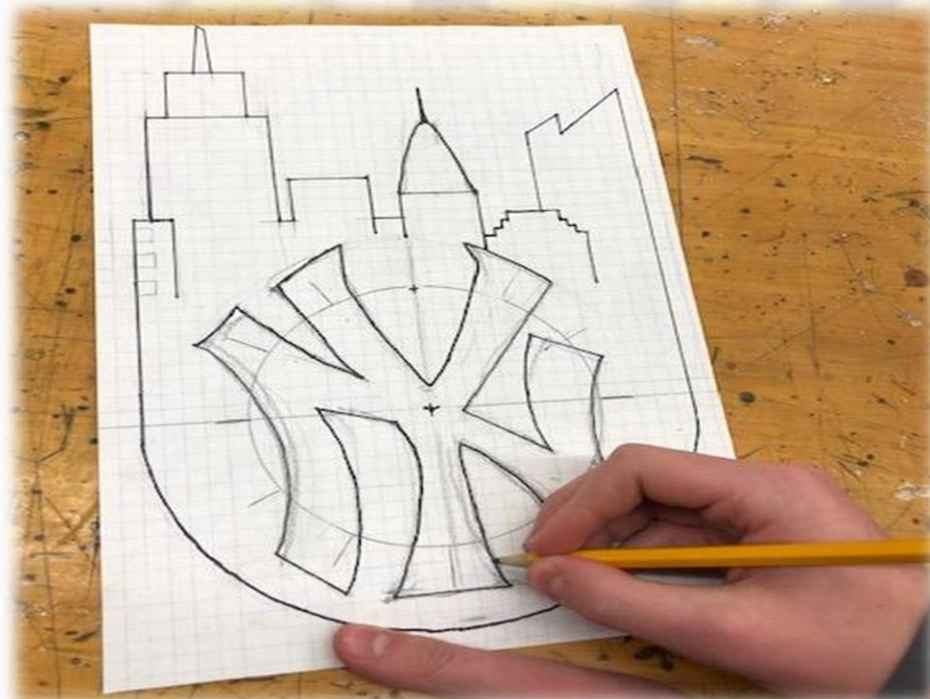
**Key Chains:  
Design &  
Simulation**

# Innovations in Technology



**Key Chains: Manufacturing**

8<sup>th</sup> Grade  
Technology



**Clocks: Design &  
Manufacturing**

# Clocks on Display





# Building and Beyond

Understanding  
Design through  
Manufacturing





# Building and Beyond



Understanding  
Design through  
Manufacturing

Questions from  
the Board of Education?

# Commack High School: Technology Education Department Highlights

Mr. Thomas Shea  
Technology Education Teacher

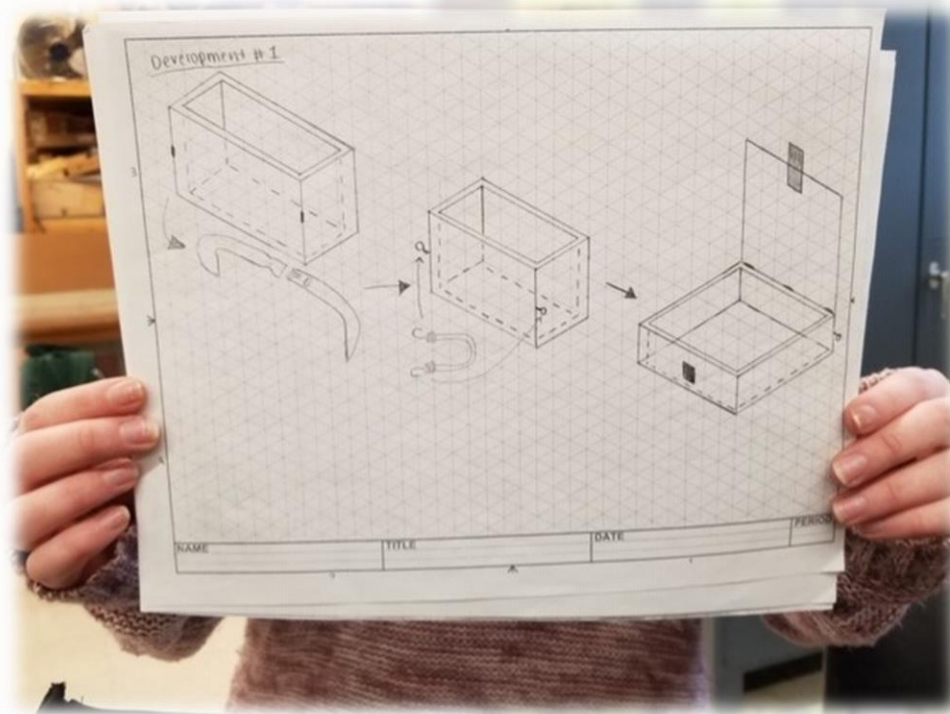


# IB Design Technology:

## Meeting Design Standards through Access and Opportunity

### Standard 1: Analysis, Inquiry, and Design

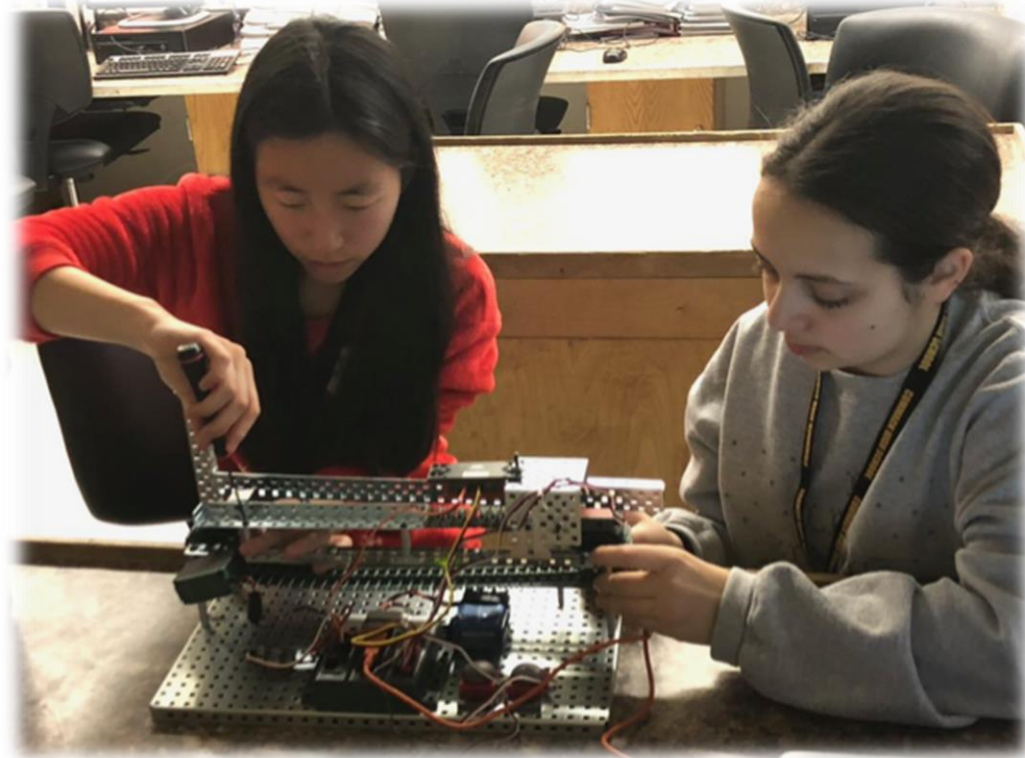
Students will use mathematical analysis, scientific inquiry, and engineering design, as appropriate, to pose questions, seek answers, and develop solutions.



# PLTW Computer Integrated Manufacturing: Meeting Standards through Access and Opportunity

## Standard 5: Technology

Students will understand the relationships and common themes that connect mathematics, science, and technology and apply the themes to these and other areas of learning.



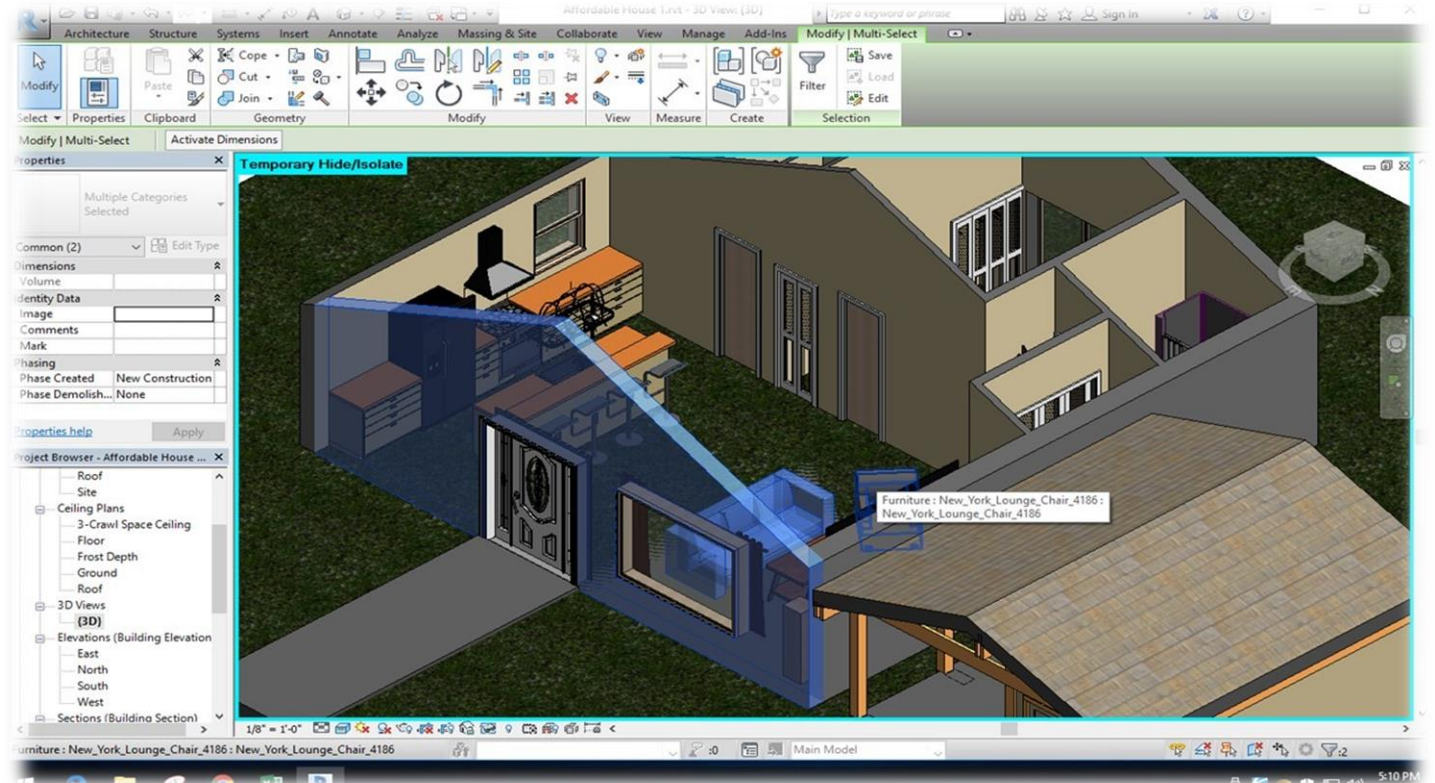
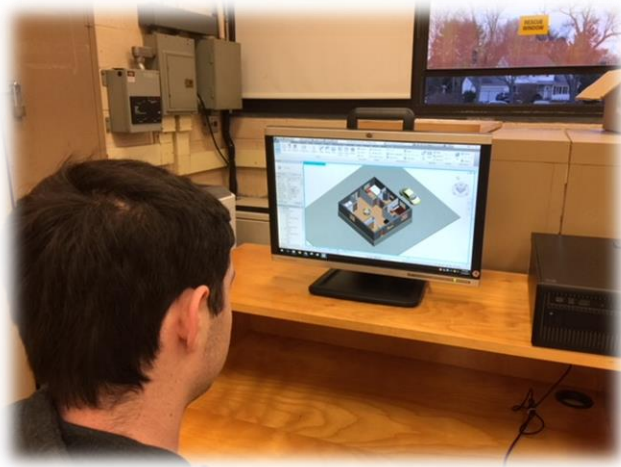
# PLTW Civil Engineering and Architecture: Meeting Standards through Access and Opportunity

## Standard 6: Interconnectedness: Common Themes

Students will understand the relationships and common themes that connect mathematics, science, and technology and apply the themes to these and other areas of learning.

## Standard 7: Interdisciplinary Problem Solving

Students will apply the knowledge and thinking skills of mathematics, science, and technology to address real-life problems and make informed decisions.



# Questions from the Board of Education?



# Commack High School: Growing Accessibility of Technology to Enhance Teaching and Learning

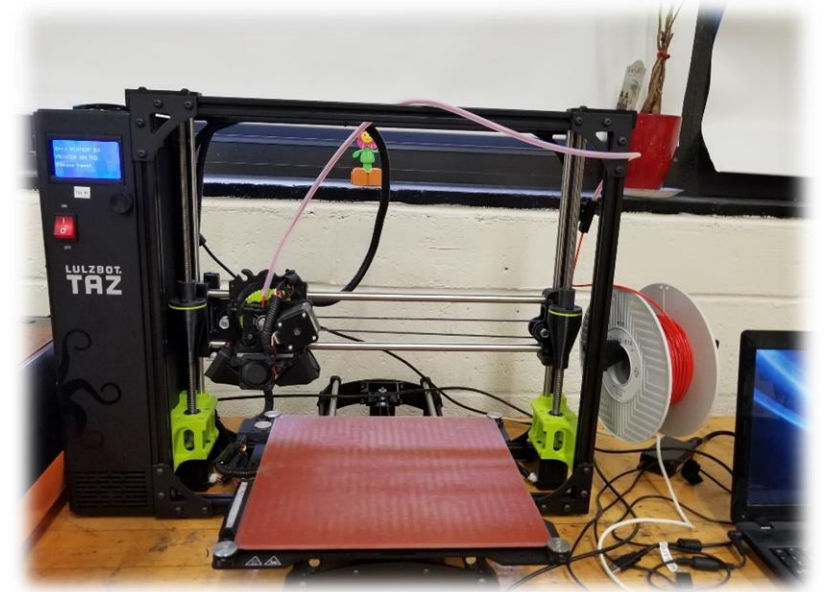
Mr. Eric Biagi  
Lead Teacher of Technology  
Social Studies Teacher





# Access to (a lot more) Instructional Technology at Commack High School

Desktop PC's	Smart Boards in Every Instructional Room	Multi use Video Conference Lab	Mac Lab for Music Production
Full Audio and Television Recording Studios	Robotics Lab	Student Computer Labs	COW's
Android Tablets to Support PLTW Curriculum	WACOM Art Design Tablets	Digital Signage Displays	3D Printing and Laser Woodcutting



# Instructional Technology Travels across the Curriculum



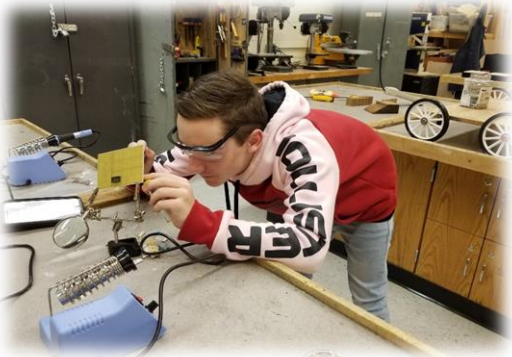
Microsoft Office 365

Arts and the Humanities



STEM

And, More!



# Enhancing Teaching and Learning with Greater Access to Instructional Technology!

- **Smart Schools** - Commack High School is deploying **1,500 laptop computers in 50 instructional rooms** and in our multi-use technology room that students will have **access to throughout each school year**.
- Video Conference capabilities for virtual field trips to museums, laboratories and schools throughout the world.



# Questions from the Board of Education?

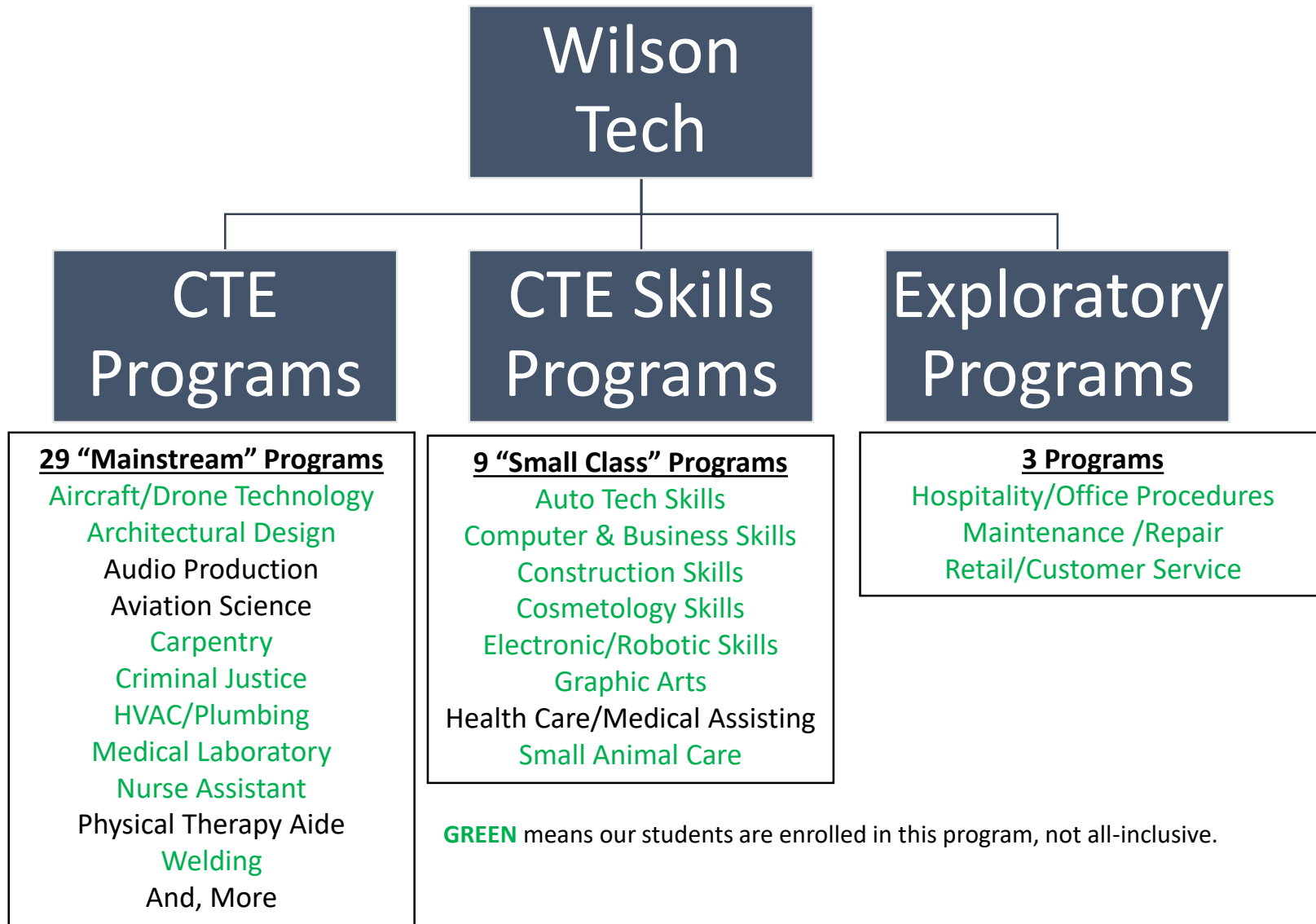


# Access and Opportunity Continues with College and Career Skill Development

**MS. DIANE NELSON**

**COMMACK SCHOOL DISTRICT**  
*Excellence in Education*

# Developing Career Skills at Wilson Tech (BOCES)



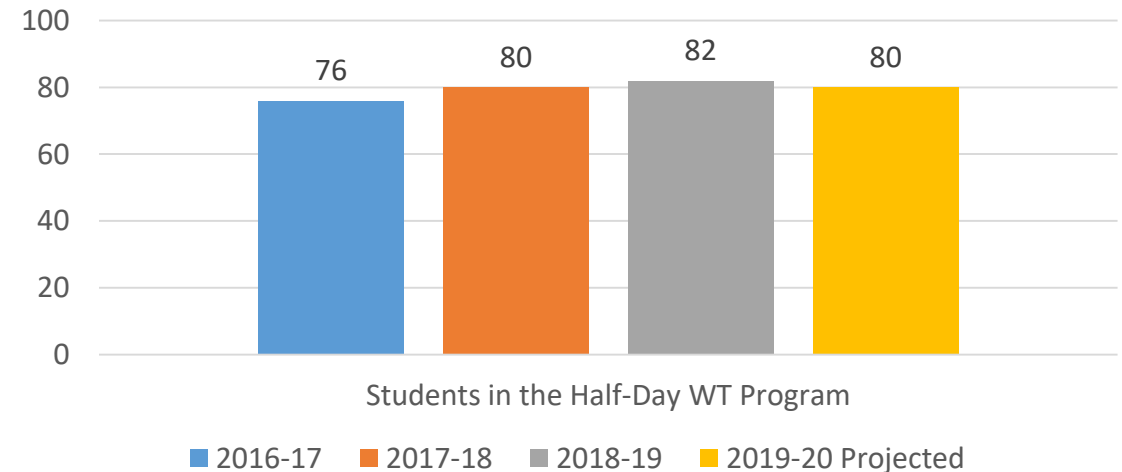
# Wilson Tech at Commack High School

## Learning about Wilson Tech as a Student/Parent

- **Early Fall** - Counselors visit 10<sup>th</sup> and 11<sup>th</sup> grade classes
- **Early December** - CHS Wilson Tech Orientation
  - Advertised via Backpack News, Morning Announcements, HS Main Lobby TV, Email to parents and students via Naviance
  - Case Manager/Counseling Center Collaboration
- **Mid-December** – CHS Wilson Tech Field Trip for students interested in the program for the following year (continues January though March for students who miss the December trip)
- **April** - BOCES hosts a Wilson Tech Open House
- **Ongoing** – Student/Parent/Counselor meetings
- Published in Counseling Center Newsletter (various points throughout the year)




**11<sup>th</sup> and 12<sup>th</sup> Grade Students in the Half-Day Wilson Tech Program – Over Time**



# Questions from the Board of Education?







# District-Wide Technology Infrastructure, Inventory, and Cyber-Security

**DR. MICHAEL INFORNA**

**COMMACK SCHOOL DISTRICT**  
*Excellence in Education*

# Continuing District-Wide Infrastructure Enhancement and Development

Redundant Firewall Protection

Enhanced Redundancy in the Internet Connection

Updated Various Core Network Switches

Updated Server Feed Switches

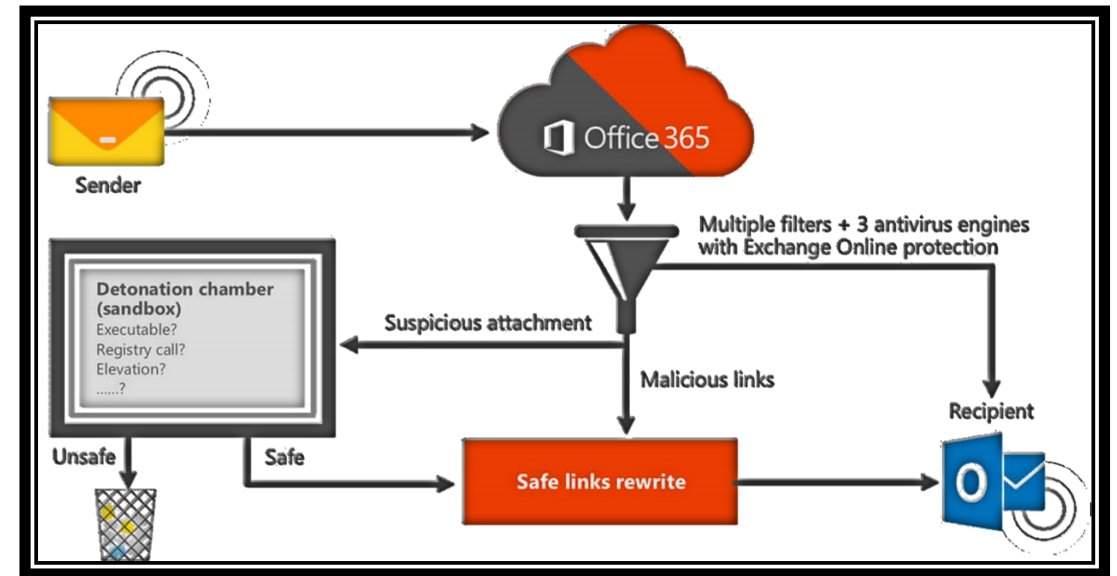
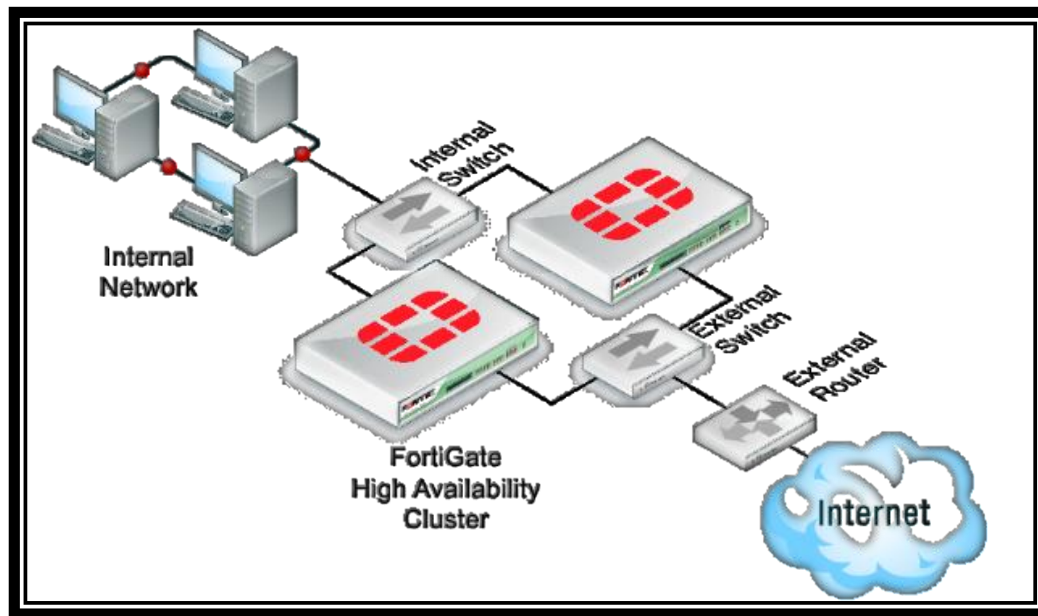


# Cyber-Security: Continuous Review and Improvement

New Fortinet  
Firewalls

Microsoft Antivirus  
Protection for All  
Users

Staff Cyber-  
Security Training  
(April 2019)



# A GROWING Device Inventory

As of February 2019, the Instructional Technology Department manages **6,584** “devices” daily. By this time next year, it is anticipated that this department will manage nearly **10,000\*** “devices” daily.

\*Additional devices may be added!

		Current	To Be Added	Total		
Non-Instructional			-		Total	
		-	-			
Instructional	LCD-TV	18	-	18	Other	
	Classroom-Mac	23	-	23		
	Library	136	-	136		
	Thin Client	0	-	0		
	Classroom Laptops (CHS)	0	1,500	1,500		
	Classroom Laptops (CMS)	0	1,250	1,250		
	Labs	779	-	779		
	COWs-PC	881	-	881		
	Chromebooks	534	-	534		
	District-Wide Total	4,096	3,250	7,346		
					Servers	26
					Switches	69
					Wireless Access Points	478
					Cameras	331
					Door Access	42
					<b>Total “Other” Devices</b>	<b>2,488</b>

# Short-Term and Long-Term Instructional Technology Planning

## Short-Term

- Restructuring
- Professional Development
- Staff Training (Inst. Strategies, Cyber-security, etc.)
- Curriculum Development

## Long-Term

- Budgeting for Sustainability (Additional/Increase BOCES Lease Program)
- Outfitting Classrooms Not Funded by Smart Schools
- Continuous Review and Improvement

### *Why Redesign the Technology Department?*

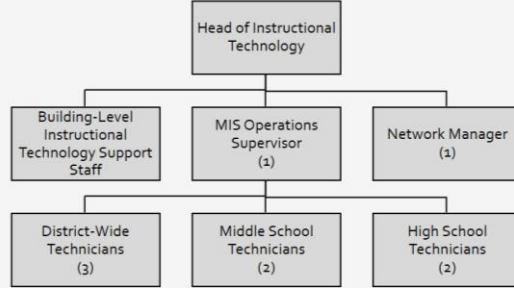
To provide students and staff with access to the technology tools that can enhance teaching and learning.

To provide the opportunity for students and staff to enhance their learning and teaching by providing both instructional and technical support (curriculum, professional development, etc.).

To support and maintain a robust and safe infrastructure and inventory that meets the needs of the educational program.

The number of technology devices managed by the District will have nearly **DOUBLED** within the next five years.

### *Restructured Technology Department*



# Questions from the Board of Education?



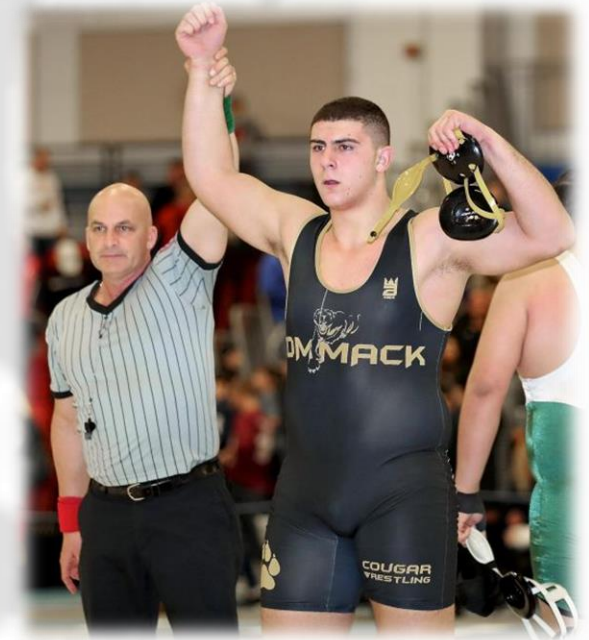
# Athletics and Physical Education: State-of-the-District

Athletics  
Update

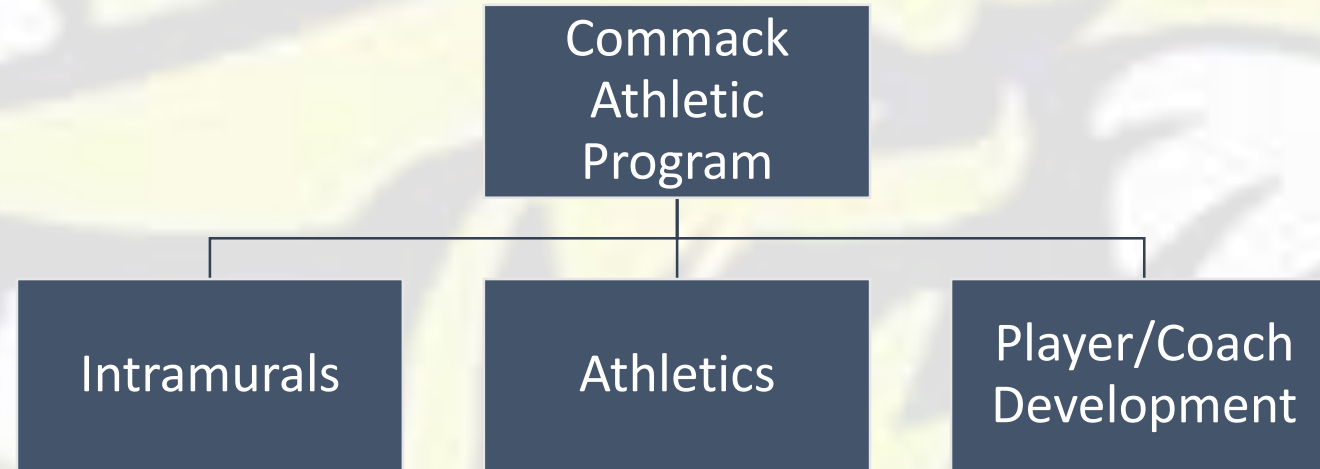
Physical  
Education  
Update

Movement-in-  
the-Arts  
at Cougar Camp

Unified Sports



# Athletic Program Overview





# Commack Athletics

## Intramurals: Current Status

Location	Hours (Approx.)
Commack High School	220
Commack Middle School	130
Burr Intermediate School	75
Sawmill Intermediate School	75
Total	500

On average, 30 to 40 students participate in each hour of intramurals offered.  
That's 15,000 to 20,000 opportunities for students district-wide.

Note: Intramurals are dependent upon gym and field availability.  
Interscholastic sports have priority access to gyms and fields.

**\*NEW\***

“March Madness” Basketball  
Intramural Tournament



Intramural activities include,  
but are not limited to:

- Fitness Room
- Badminton
- Basketball
- Football
- Hockey
- Indoor Soccer
- Kickball

# Commack Athletics

*\*Over 90 Teams*

Fall 2018 / Winter 2019

All Varsity Programs  
Advanced to the  
Playoffs

Spring 2018/Winter 2019

15 League Championships

Additional Accolades

- News12 Scholar Athlete Award
- Player of the Year
- Coach of the Year
- All Regional/State/Long Island
- All County/Conference/League Athletes
- NYSPHSAA Class 'AA' State Champions
- County/League Champions

# Player/Coach Development

Code Night

Athlete  
Expectations and  
Responsibilities

Professional  
Development for  
Coaches

Athlete-to-  
Community  
Engagement



# Health and Physical Education: Programs, Achievements, & Events

Movement in the Arts	Movement in the Arts at Cougar Camp	Athletics for All	CPR/AED Advanced Training
Intramurals	Cougar Camp	Burr Mini Marathon	Unified Sports
Citizenship through Fundraising and Community Service	Fitness Runs CMS	Math in Movement Night	AED Replacements/Upgrades
CHS Athletics/PE Clinics			

Questions from  
the Board of Education?

# Updates from Various Committees

Legislative  
Advocacy

Marion Carll  
Farm  
Committee

Security  
Connector  
Group

# Marion Carll Property Committee



The Superintendent met with representatives from Long Island University about a possible LIU Veterinary Center

Various other interested parties continue to visit the property.

- Parties will be preparing proposals for BOE review.

A Report on the MCP Building Conditions Survey

Next Meeting:  
March 12, 2019

# Security Connector Group

**District Safety and Security**

Completed or Current Work

**Safety and Security**

- Follow-up, comprehensive security review
- Implementation of the RAVE app
- District Security Connector Group updated on security review progress and RAVE app implementation
- Purchase of 2 new security vehicles
- Replacement security radios
- Relocation of repeater



What's Next?

- Security review results provided to Board of Education in Executive Session
- Public summary presentation of the security review results
- Continue Connector Group Meetings
- Analysis and review of recommendations

Next meeting is scheduled for May 21, 2019.

During the next meeting, the group will discuss the budget impact on future security-related enhancements



# Legislative Advocacy Committee



The screenshot shows a presentation slide with a teal header and a white body. The title 'Legislative Advocacy Committee' is centered in blue. On the left, there are two text boxes: 'First meeting of the year Thursday, 11/1:' with a bulleted list of events, and 'Future Actions:' with a bulleted list of upcoming meetings. In the center, there is a group photo of about ten people standing in front of a building with a 'KIMMICK SCHOOL DISTRICT' sign. To the right of the photo is a circular logo featuring a stylized figure.

## Legislative Advocacy Committee

**First meeting of the year Thursday, 11/1:**

- Welcome new student advocates
- Guest visit from Assemblyman Andrew Raia
- Student advocates facilitated political conversation with Assemblyman Andrew Raia

**Future Actions:**

- Upcoming meetings:
  - Student advocates will create platform for upcoming Lobby Day on 3/5/19



Met last on February 12, 2019

Members of the LAC reviewed and finalized 2018 2019 District Advocacy Platform:

School Funding

School Safety

Common Core Testing

Student Advocates finalized talking points for Annual Lobby Day

LAC Committee will travel to Albany on March 5, 2019 to attend Annual Lobby Day

# Completed and Upcoming Meetings

October 18, 2018

- Policy Workshop

November 18, 2018

- BOE Meeting
- State of the District: Summary of Related Actions for BOE Goals; Plant & Facilities; State of the District Presentation (Security)

December 13, 2018

- BOE Meeting
- State of the District: Elementary Instruction; State of the District Presentation

December 20, 2018

- Policy Workshop (Rescheduled from Nov. 15)

January 10, 2019

- BOE Meeting
- State of the District: Secondary Education; State of the District Presentation; Communications Steering Committee Presentation

January 24, 2019

- Policy Workshop

**Policy Review Completed**

February 28, 2019

- BOE Meeting
- Technology, Athletics, Etc. State of the District Presentation

## 2019-20 Budget Development Schedule

- Budget Workshop #1 - March 14
- Budget Workshop #2 - March 21
- Informal Budget Hearing – March 28
- Budget Adoption - April 11
- Budget Hearing – May 9
- Budget Vote – May 21