



# Technology Committee

February 28, 2022

# Agenda

- Technology Department Staff and Assignments
- Field Service Tech. Responsibilities
- Computer Teacher Aide Responsibilities
- Software Deployment
- Cyber Security Updates
- Instructional Technology Supports
- Questions/Comments

# Technical Services Department

Thomas Hein  
Director of IT

Larry Hanke (HS)  
Field Service  
Technician



Julie Tilly (OES)  
Field Service  
Technician



Nikolai Nesteroke  
(HS)  
Field Service  
Technician



Lori Todd (MS)  
Field Service  
Technician



Samanta Rivera  
(LES and PES)  
Field Service  
Technician



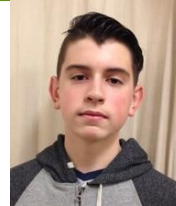
Barbara Raymond  
(HS)  
Computer  
Teacher Aide



Kathy Uhrlass (PES)  
Computer Teacher  
Aide



Colin Palmer  
Student Help Desk  
Super Star



# Field Service Technician responsibilities

- Desktop/Device Support- Servicing, Add/Change peripherals i.e., hard drives, OS refresh, application installs. Computer/Device servicing/Add/Changes
- Audio Video- Setup District events, support classroom/Building Audio/Video, District PA systems.
- Networking- Address any connection issues for network devices, Add/change/remove network drops, Add/Change/remove Wi-Fi Access Points.
- Telephone Support – Work with BOCES to process add/move/changes for phone system and troubleshoot any phone issues.

# Field Service Technician responsibilities

- Security System – Work with vendors to resolve issues with Camera, Door, Security Alarm, or visitor management systems.
- User Support and Training - Support users with equipment, and or software. Password management.
- Clerical – Maintain asset information using inventory system. Keep a log of incidents using our ticket system.

\*\*Larry Hanke is assisting me with cyber security tasks, monitoring and security updates.

# Computer Teacher Aide responsibilities

- User Support- Support users with equipment, and or software. Login password management.
- Clerical – Maintain asset information using inventory system. Keep a log of incidents using our ticket system.

\*\*May perform no tech related tasks to support building operations.

\*\* Barbara Raymond oversees the Student Help Desk.







# Software Deployments

- Nearpod *Additional licensing for elementary(CRRSA funds)* ✓
- T-84 App emulator *(CRRSA funds)* ✓
- Delta Math *Deployment mid October(CRRSA funds)* ✓
- Turn It In *Deployment mid October (CRRSA funds)* ✓
- We Video *Deployment November (CRRSA funds)*

Just completed pilot with Freshman experience. I will be sending out email to notify faculty about the software.



# Cyber Security Next Steps

```
mirror_mod = modifier_ob.  
set mirror object to mirror  
mirror_mod.mirror_object =  
operation == "MIRROR_X":  
mirror_mod.use_x = True  
mirror_mod.use_y = False  
mirror_mod.use_z = False  
operation == "MIRROR_Y":  
mirror_mod.use_x = False  
mirror_mod.use_y = True  
mirror_mod.use_z = False  
operation == "MIRROR_Z":  
mirror_mod.use_x = False  
mirror_mod.use_y = False  
mirror_mod.use_z = True
```

```
selection at the end -add  
mirror_ob.select= 1  
modifier_ob.select=1  
context.scene.objects.active  
("Selected" + str(modifier_ob.  
mirror_ob.select = 0  
= bpy.context.selected_object  
data.objects[one.name].select  
print("please select exactly
```

--- OPERATOR CLASSES ---

```
types.Operator):  
on X mirror to the selected  
object.mirror_mirror_x"  
mirror X"
```

```
context):  
context.active_object is not
```

## §121.5 Data Security and Privacy Standard.

- (a) As required by Education Law §2-d (5), the Department adopts the National Institute for Standards and Technology Framework for Improving Critical Infrastructure Cybersecurity Version 1.1 (NIST Cybersecurity Framework or NIST CSF) as the standard for data security and privacy for educational agencies.



National Institute of Standards and Technology

### **What is the Framework, and what is it designed to accomplish?**

The Framework is voluntary guidance, based on existing standards, guidelines, and practices for organizations to better manage and reduce cybersecurity risk. In addition to helping organizations manage and reduce risks, it was designed to foster risk and cybersecurity management communications amongst both internal and external organizational stakeholders.



Function
Identify
Protect
Detect
Respond
Recover

# The Framework Core

*Establishes a Common Language*

- ▶ Describes desired outcomes
- ▶ Understandable by everyone
- ▶ Applies to any type of risk management
- ▶ Defines the entire breadth of cybersecurity
- ▶ Spans both prevention and reaction



Center for Internet Security has published a list of controls to be put in place to align with the NIST Framework and meet Ed Law 2d requirements.

**CIS Control 1 – Devices - Inventory and Control of Hardware Assets**

**CIS Control 2 – Applications - Inventory and Control of Software Assets**

**CIS Control 3 – Data – Data Protection**

**CIS Control 4 – Applications/Network/Users/Devices – Secure Configuration of Enterprise Assets and Software**

**CIS Control 5 – Users – Account Management**

**CIS Control 6 – Access Control Management**

**CIS Control 7 - Continuous Vulnerability Management**

**CIS Control 8 – Audit Log Management**

Center for Internet Security has published a list of controls to be put in place to align with the NIST Framework and meet Ed Law 2d requirements.

**CIS Control 9 – Email and Web Browser Protection**

**CIS Control 10 – Malware Defenses**

**CIS Control 11 – Data Recovery**

**CIS Control 12 – Network Infrastructure Management**

**CIS Control 13 – Network Monitoring and Defense**

**CIS Control 14 – Security Awareness and Skills Training**

**CIS Control 15 – Service Provider Management**

**CIS Control 16 – Application Software Security**

**CIS Control 17 – Incident Response Management**

**CIS Control 18 – Penetration Testing**

# Instructional Technology Support

- ▶ The district currently utilizes BOCES- Model Schools COSER to support teachers with instructional technology. Some examples from earlier in the school year:
  - ▶ Co-taught two lessons on Microsoft Word to a class at Ostrander Elementary School (naming files, adjusting font size and type, spacing, etc.)
  - ▶ Brainstorming methods for executing a video ELA project with instructors at elementary schools
  - ▶ Researched and shared virtual field trip opportunities with 4<sup>th</sup> grade students
  - ▶ Supported high school instructor(s) in planning a project at the high school level with emphasis on WeVideo
  - ▶ Problem-solved PowerPoint creation issues with instructor(s) at high school



