DISTRICT TECHNOLOGY PLAN

OCEAN COUNTY VOCATIONAL TECHNICAL SCHOOL 2016-2019

DEVELOPED BY

THE OCVTS TECHNOLOGY COMMITTEE

Submitted

June 30, 2016

OCVTS

OCEAN COUNTY VOCATIONAL TECHNICAL SCHOOL

Table of Contents

OCEAN COUNTY VOCATIONAL TECHNICAL SCHOOL

I. STAKEHOLDERS

Technology Committee Membership

WILLIAM P. HOEY, JR.	**SUPERINTENDENT**	**OCVTS**
NANCY WEBER-LOEFFERT	**ASSISTANT SUPERINTENDENT**	**OCVTS**
FRANK FRAZEE	**BUSINESS ADMINISTRATOR**	**OCVTS**
ED CRAWFORD	**MANAGER FACILITY/GROUNDS**	**OCVTS**
JO-ANN PRICE	**PRINCIPAL**	**OCVTS**
GREG LASKY	**COORDINATOR OF TECHNOLOGY**	**OCVTS**
MELISSA BROWN	**DATA COORDINATOR OF TECHNOLOGY**	**OCVTS**
KEITH POBUTA	**TECHNOLOGY INSTRUCTOR**	**OCVTS**
MICHAEL CLARKE	**TECHNOLOGY INSTRUCTOR**	**OCVTS**
CHRISTINE SMITH	**APPLIED ACADEMIC INSTRUCTOR – ENGLISH**	**OCVTS**
NICOLE EVALDI	**APPLIED ACADEMIC INSTRUCTOR – MATH**	**OCVTS**
BRETT MEKLES	**GUIDANCE COUNSELOR**	**OCVTS**
MARY BEATTY-SHARISKY	**SUPERVISOR**	**OCVTS**
LORRAINE YOUNG	**SUPERVISOR OF CURRICULUM**	**OCVTS**

II. EXECUTIVE SUMMARY

Technology/Media Services Plan Mission Statement

The mission of the Ocean County Vocational Technical School (OCVTS) is to prepare students for job placement and future education, leading to successful employment. Technology is an effective tool for learning as well as an essential life skill for successful employment. To prepare students for the workplace, it is necessary to create technology-rich learning environments. Recognizing the role of technology and media services in education, the committee developed the following mission statement:

> *Provide students with technological skills and expertise needed to support learning and to utilize technology in all program areas so these skills can be transferred to successful employment. Students will use technology/media services to help them become lifelong learners, viable employees and successful citizens.*
>
> *The Ocean County Vocational Technical School District strives to assist individuals in their efforts to become responsible citizens by offering a learning environment that provides knowledge, skills and values. The mission of the Ocean County Vocational Technical School is to prepare students for job placement and further education leading to successful employment.*

The district is currently comprised of nine locations: Brick Center, Jackson Center, Toms River Center, Waretown Center, Juvenile Detention Center (JDC), Law & Public Safety satellite site, Navy Lakehurst Center at Hanger One, Culinary Program (Atlantis Golf Course) and the Marine Academy of Technology and Environmental Science (MATES). All centers provide vocational technical education for nineteen sending high schools on a share time basis as well as post-secondary adult education both full and part time. The centers in Brick, Jackson, Toms River and Waretown offer courses in over fifty areas. These centers provide education (on a shared time basis) primarily for secondary students, post-secondary students and employment orientation special education students. The OCVTS Adult Evening School offers courses at five centers. OCVTS also provides full time educational opportunities for high school students (grades 9 through 12) through two Career Academies: Marine Academy of Technology and Environmental Science (located in Manahawkin) and the Academy of Performing Arts (located at Navy Lakehurst).

Serving a combined population of over 4,000 students, OCVTS has developed many programs, which prepare students to become skilled and technical workers, as well as successful students in colleges, universities and advanced technical schools. These programs are very diverse in order to meet the needs of the students. The following is a partial list of careers which illustrates the wide range of offerings: Aviation Aerospace Technology, Health and Fitness Technology, Culinary Arts, Automotive Technology, Architectural/Engineering Design, Design and Visual Communications, Cosmetology, Motorsports Technology, Dental Assisting, Welding, Law and Public Safety, Collision Repair, Electrical Trades/Integrated Cabling, Computer Science, Agriculture and Environmental Sciences, Automotive and Diesel Engine Technology, Child Care Professions, Building Construction Technology, Audio for Electronic Media, Computer Service Repair, Marine Trades, Medical Assistant, Practical Nursing, Homeland Security, Fashion Merchandising/Design, Practical Nursing and Heating, Ventilation, Air Conditioning and Refrigeration.

III. INSTRUCTIONAL PLANNING PROCESS

The Ocean County Vocational Technical School views information technology and media services as effective and critical tools in preparing students to be competitive in an ever-changing world. In order to ensure the most effective use of technology equitably distributed throughout the district, a committee was formed to provide direction and guidance for the development of a long-range technology plan. The members of the committee are comprised of a broad base of educators who represent all areas of the district. The committee formulated a mission statement and a vision that would serve as the road map for the use of all types of instructional technology and media. They reviewed the current status of technology/media services and identified the needs of the district. The committee shared a draft of the district technology plan with the OCVTS Central Office Administration and the Board of Education and made appropriate revisions, recommendations and suggestions to include their input.

To accomplish the mission articulated by the committee, the district must create technology-rich learning environments, incorporate the use of technology and media services throughout the buildings, and infuse it throughout the curriculum to assist instructors in the implementation of the NJ CORE CURRICULUM CONTENT STANDARDS (NJCCCS) and the teaching of vocational skills. It must also provide equitable access to information resources and produce students and faculty who are competent in the use of technology and equipped with the necessary skills for continuous learning.

When developing the plan, the committee also took into consideration the four national technology goals, which are as follows:

1. *All instructional staff will have the training and support that they need to help all students learn through the use of computers and the information highway.*
2. *All students and instructional staff will have modern computers in their classrooms.*
3. *Every classroom will be connected to the Internet.*
4. *Effective and engaging software and on-line resources available to schools will be an integral part of every school curriculum.*

Objectives and activities related to these national goals are interspersed throughout the Action Plan.

The complexity of planning for the effective use of technology is daunting. Technology is constantly changing, and this plan must provide the foundation for the appropriate use of technology in the future. The committee identified critical components of the plan that will ensure the district's success. The three major components include (1) curriculum and instruction, (2) infrastructure and (3) professional development.

The most important reason for the integration of technology and media services is to provide for student technology literacy and competency, accelerate and supplement student learning to better prepare them for employment. In order to do this, the technology infrastructure must be in place; current, reliable and ubiquitous. Instructional staff and students must have equitable access to the instructional technology. A well-developed infrastructure will also allow the district to grow as the technology evolves. Instructional staff must be continually and consistently trained in the effective use and application of ever evolving technology tools. This component is essential because the use of technology in instruction includes more than knowing how to use a computer. Instructional staff must extend the technical knowhow into the area of instruction both as a tool for continual learning and as a skill for employment.

IV. TECHNOLOGY OVERVIEW

Location, Connectivity, Filtering & Protection and Resources

Locations

The Ocean County Vocational Technical School District is comprised of nine physical locations, eight of which are connected to the school WAN (Wide Area Network). These sites include the Brick Center, Jackson Center, Waretown Center, Law and Public Safety satellite site, Navy Lakehurst at Hanger One, Culinary Program (Atlantis Golf Course), MATES Academy, and the core site which contains the Board Office, Toms River Center, Student Services and the Warehouse. The remaining site, the Juvenile Detention Center (JDC), obtains Internet connectivity via the Ocean County network infrastructure.

Connectivity

The Core Site (Toms River Center, Student Services, Board Office and Facilities and Grounds) and Brick Center locations provide Internet connectivity for the entire District. We connect to the Internet via two IDE Tiered 100 Meg circuits provided by Comcast. These two circuits work in concert providing Internet redundancy. All locations have redundant links built in to their router configurations. All locations 50 Meg and a 10 Meg EVC connection within the WAN cloud. This redundant connectivity prevents a single point of failure. For example, if the Jackson Center and Navy Lakehurst are configured to send their primary Internet bound traffic out on the Brick circuit and something were to happen at the Brick site, connectivity would transparently and seamlessly switch over to the Internet connection point at the Core Site. Each individual site has a wired 100 Meg LAN as well as 802.11n wireless capabilities.

Filtering & Protection

To protect our student population, as well as our faculty and staff, we currently have four filtering/protection solutions in place. On the edge connections at the Board Office and at The Brick Center, we have Palo Alto 3320 Next Generation Firewalls. These devices only permit specific traffic to pass based on port number, protocol, application, and user identification. Within the Palo Alto appliance there is a separate engine which is configured to block Mal-Ware and viruses from entering the district network resources via the Internet. This device receives automated updates on a daily basis so as to keep current with new trends and threats. The third layer of protection relies on access lists within the Cisco Routing Infrastructure. The forth layer of protection is our district wide anti-virus solution. We currently employ Kaspersky Security Suite ver. 10. Besides virus prevention, this product also detects and eradicates any (spy-ware / mal-ware) on client computers.

Resources

All students have access to various resources that the OCVTS District has to offer. These resources include Internet connectivity, personal secured storage, unique user accounts, and network printing. We do not provide e-mail accounts for the student population; however, we do allow each student to create a web based e-mail account (based on program requirements) which they can access from within the OCVTS network or at home. This allows for the portability of data between student and instructor as well as more comprehensive communication. Each student is required to read and sign the OCVTS “Acceptable Use Policy” which they are issued at the start of each school year. Failure to sign this document will prevent the student from accessing the computer resources within the school district.

V. CURRENT STATUS AND NEEDS ASSESSMENT

After reviewing the current technology and media services that exist, it is apparent that there is an expansive base of technology and media services throughout the district. It is used effectively in most cases. Some programs have integrated the technology completely. There are many examples of "cutting edge" instructional technology use such as the Culinary Arts program's use of video and computers to create computer based video portfolios of a student's capabilities. Another, is the MATES use of wireless technologies to provide technology access in a wider array of learning and mobile learning environments.

However, based on the committee's input, site visits and the results of surveys distributed to instructional staff, the following needs were identified:

- All students must have equitable access to technology. There is a consistent need to upgrade or replace outdated models in all program areas. There must be impartial distribution of equipment with provisions for upgrading.

- To aid in more diverse technology integration and expedite our instructors' adaptation of emerging technologies, we have been consistently providing instructors with laptop computers and wireless Internet connectivity to increase their access and sense of ownership of technology.

- Staff development is crucial to effective technology implementation. It takes sustained staff development and training to ensure that instructional staff are competent in the utilization of technology and available media resources. An expanded staff development program, based on instructional staffs' curricular needs, is developed and provided each year by the District's Professional Development Committee.

- Information for research and for career planning is crucial. High speed Internet access for students and instructional staff is readily available in all classrooms and labs throughout the District. However, with this increased utilization, the need for increased bandwidth has become quite evident. An infrastructure has been built, but must be maintained and expanded to allow for increased performance of Internet access. Additionally, the proper software tools must also be provided and routinely upgrade in order to stay current with an emergent workforce.

- The curriculum must reflect industry standards. Updated technology components and media resources need to be infused into all programs, and the curriculum must reflect the current use of technology. To this end, we have adopted a five year rotation for all curricula to be revised.

Technology Overview (Brick Center)

A. Technology

1. Inventory of current technology networking & telecommunications equipment.
    a. Total # of Computing Devices: 558
        Desktop PCs/MAC: 276
        Chromebooks: 25
        Laptops: 158
        Tablets: 99
    b. A 100Mb switched network along with wireless access capabilities.
2. Technology inventory needed to improve student achievement through 2019.
    a. The technology equipment for this building is constantly being updated. The students are required to utilize technology often.
    b. All student computers are equipped with the full Microsoft Office 2016

and Adobe Creative Cloud suites along with the ability for the students to Create CDs and/or DVDs. Many programs offer software geared toward their curriculum, such as applications called "Auto CAD," "Adobe Photoshop" and "All Data" which cater to the architecture, graphic design technology and Automotive programs respectively. The ability for instructional staff to add technology to their curriculum is always supported. The students are protected from illegitimate websites and viruses with our web filter and antivirus technology.

c. Technology maintenance policies and plans are always evolving to support the latest technology and ensure students are provided with a stable and secure computing platform.

d. Telecommunication services consist of a VoIP system (Voice Over IP). For added security, POTS lines are provided for emergency backup and 911.

e. The building is staffed by a support technician five days per week.

f. The facilities infrastructure is capable of providing the necessary throughput for student and staff networking needs.

g. All other services are sound.

3. The district is receptive to any source which integrates technology and the classroom. All requests for technology are evaluated to ensure proper integration with existing infrastructure and operation.
Once implemented, technicians are available to provide support to the instructional staff to enable a smooth and consistent learning environment for the student.

4. Computer-intensive programs will have their systems upgraded on a more frequent basis than other programs. Still, most PCs are considered dated and obsolete at five years old. However, a powerful workstation that is five years old may still fill the need for a classroom looking to expand their number of PCs.

Technology Overview (Jackson Center)

A. Technology

1. Inventory of current technology networking & telecommunications equipment.

a. Total # of Computers: 157

Desktop PCs: 45
Laptops: 62
ChromeBooks: 25
Tablets: 25

b. A 100Mb switched network along with wireless access capabilities.

2. Technology inventory needed to improve student achievement through 2019.

a. The technology equipment for this building is constantly being updated. The students are required to utilize technology often.

b. All student computers are equipped with the full Microsoft Office 2016 and Adobe Creative Cloud suites along with the ability for the students to Create CDs and/or DVDs. Many programs offer software geared toward their curriculum, such as applications called "Milady" and "All Data" which cater to the cosmetology and automotive programs respectively. The ability for instructional staff to add technology to their curriculum is always supported. The students are

protected from illegitimate websites and viruses with our web filter and antivirus technology.

c. Technology maintenance policies and plans are always evolving to support the latest technology and ensure students are provided with a stable and secure computing platform.

d. Telecommunication services consist of a VoIP system (Voice Over IP). For added security, POTS lines are provided for emergency backup and 911

e. The building is staffed by a support technician on an as needed basis.

f. The facilities infrastructure is capable of providing the necessary throughput for student and staff networking needs.

g. All other services are sound.

3. The district is receptive to any source which integrates technology and the classroom. All requests for technology are evaluated to ensure proper operation. Once implemented, technicians are available to provide support to instructional staff to enable a smooth and consistent learning environment for the student.
4. Computer-intensive programs will have their systems upgraded on a more frequent basis than others. Still, most PCs are considered dated and obsolete when five years old. However, a powerful workstation that is five years' old may still fill the need for a classroom looking to expand their number of PCs.

Technology Overview (MATES Center)

A. Technology

1. Inventory of current technology networking & telecommunications equipment.
   a. Total # of PCs: 411
      Desktops: 36
      Laptops: 337
      Tablets: 38
   b. A state-of-the-art building with a 100Mb switched network along with full wireless capabilities.
   c. VoIP phone service with emergency POTS lines and hard-wired lines from every classroom to the main office.
   d. Computer-based cafeteria and library systems.
2. Technology inventory needed to improve student achievement through 2019.
   a. The technology equipment for this building is constantly being evaluated. Students are required to use technology on a daily basis. Since the programs here are based around marine science, students will also utilize laptops in the field as they gather data and samples.
   b. All student computers are equipped with the full Microsoft Office 2016 and Adobe CS Suite ver. 5 suites along with the ability for the students to create CDs and/or DVDs. Many programs offer software geared toward their curriculum, such as an application called "Geometers Sketchpad." The ability for instructional staff to add technology to their curriculum is always supported. The students are protected from illegitimate websites and viruses with our web filter and antivirus technology.
   c. Technology maintenance policies and plans are always evolving to support the latest technology and ensure students are provided with a stable and secure computing platform.

d. Telecommunication services consist of a VoIP system (Voice Over IP). For added security, POTS lines are provided for emergency backup and 911. Further, all classrooms are equipped with a dedicated hard-wired line directly to the main office. This system will be constantly evaluated and monitored to ensure its success.
e. The building is staffed by a support technician only three days per week.
f. The facilities infrastructure is capable of providing the necessary throughput for student and staff networking needs.
g. All other services are sound.

3. The district is receptive to any source which integrates technology and the classroom. All requests for technology are reviewed to ensure proper operation. Once implemented, technicians are available to provide support to instructional staff to enable a smooth learning environment for the student.
4. Computer-intensive programs will have their systems upgraded on a more frequent basis than others. Still, most PCs are considered dated and obsolete at three years old. However, a powerful workstation that is three years old may still fill the need for a classroom looking to expand their number of PCs.

Technology Overview (Navy Lakehurst Center)

A. Technology

1. Inventory of current technology networking & telecommunications equipment.
   a. Total # of Computers: 287
      Desktop PCs: 55
      Macs: 9
      Laptops: 94
      Tablets: 129
   b. A 100Mb switched network along with full wireless capabilities.
   c. Computer-based library system.
2. Technology inventory needed to improve student achievement through 2019.
   a. The network is currently being expanded to allow more freedom through the use of wireless networking.
   b. All student computers are equipped with the full Microsoft Office 2016 and Adobe CS Suite ver. 5 suites along with the ability for the students to create DVDs and/or CDs. Many programs offer software geared toward their curriculum, such as an application called "Intrigas y Aventuras," an interactive learning aide installed on the seven Spanish PCs, "Pro Tools" in the Audio Recording program, and the aviation program includes "Microsoft Flight Simulator." The ability for instructional staff to add technology to their curriculum is always supported. The students are protected from illegitimate websites and viruses with our web filter and antivirus technology.
   c. Technology maintenance policies and plans are always evolving to support the latest technology and ensure students are provided with a stable and secure computing platform.
   d. Telecommunication services consist of a VoIP system (Voice Over IP). For added security, POTS lines are provided for emergency backup and 911.
   e. The building is staffed by a support technician three days per week.
   f. The facilities infrastructure is capable of providing the necessary

throughput for student and staff networking needs.

g. All other services are sound.

3. The district is receptive to any source which integrates technology and the classroom. All requests for technology are evaluated to ensure proper operation. Once implemented, technicians are available to provide support to instructional staff to enable a smooth learning environment for the student.
4. Computer-intensive programs will have their systems upgraded on a more frequent basis than others. Still, most PCs are considered dated and obsolete when three years old. However, a powerful workstation that is three years old may still fill the need for a classroom looking to expand their number of PCs.

Technology Overview (Toms River Center)

A. Technology

1. Inventory of current technology networking & telecommunications equipment.
   a. Total # of PCs: 501
      Desktops: 347
      Laptops: 74
      Tablets: 80
   b. A fully networked building with a 100Mb switched network and wireless capabilities.
   c. VoIP phone service with emergency POTS lines and hard-wired lines from every classroom to the main office.
2. Technology inventory needed to improve student achievement through 2019.
   a. The technology equipment for this building is constantly being updated. Students are required to utilize technology often. The network is currently being expanded to allow more freedom through the use of wireless networking.
   b. All student computers are equipped with the full Microsoft Office 2016 and Adobe CS Suite ver. 5 suites along with the ability for the students to create CDs and/or DVDs. Many programs offer software geared toward their curriculum, such as applications called “Milady” and “Dentrix” which cater to the cosmetology and dental programs respectively. The ability for instructional staff to add technology to their curriculum is always supported. The students are protected from illegitimate websites and viruses with our web filter and antivirus technology.
   c. Technology maintenance policies and plans are always evolving to support the latest technology and ensure students are provided with a stable and secure computing platform.
   d. Telecommunication services consist of a VoIP system. For added security, POTS lines are provided for emergency backup. Furthermore, all classrooms are equipped with a dedicated hard-wired line directly to the main office. This system it will be constantly evaluated and monitored to ensure its success.
   e. The building is staffed by a support technician five days per week.
   f. The facilities infrastructure is capable of providing the necessary throughput for student and staff networking needs.
   g. All other services are sound.
3. The district is open to any source which integrates technology and the classroom. All requests for technology are evaluated to ensure proper

operation. Once implemented, technicians are available to provide support to instructional staff to enable a smooth learning environment for the student.

4. Computer-intensive programs will have their systems upgraded on a more frequent basis than others. Still, most PCs are considered dated and obsolete when 3 years old. However, a powerful workstation that is 3 yrs. old may still fill the need for a classroom looking to expand their number of PCs.

Technology Overview (Waretown Center)

A. Technology

1. Inventory of current technology networking & telecommunications equipment.
    a. Total # of Computers: 83
        Desktop PCs: 33
        Laptops: 35
        Tablets: 15
    b. A 100Mb switched network along with full wireless capabilities.
2. Technology inventory needed to improve student achievement through 2019.
    a. The technology equipment for this building is constantly being updated. The students are required to utilize technology often. The network is Currently being expanded to allow more freedom through the use of wireless networking.
    b. All student computers are equipped with the full Microsoft Office 2016 and Adobe CS Suite ver. 5 suites along with the ability for the students to create CDs and/or DVDs. Many programs offer software geared toward their curriculum, such as an application called "All Data" which caters to the automotive repair program. The ability for instructional staff to add technology to their curriculum is always supported. The students are protected from illegitimate websites and viruses with our web filter and antivirus technology.
    c. Technology maintenance policies and plans are always evolving to support the latest technology and ensure students are provided with a stable and secure computing platform.
    d. Telecommunication services currently consist of a trunk of POTS lines. VoIP communications are planned for this location.
    e. The building is staffed by a support technician on an as needed basis. Subsequently, the daily operations run smoothly.
    f. The facilities infrastructure is capable of providing the necessary throughput for student and staff networking needs.
    g. All other services are sound.
3. The district is receptive to any source which integrates technology and the classroom. All requests for technology are evaluated to ensure proper operation. Once implemented, technicians are available to provide support to instructional staff to enable a smooth learning environment for the student.
4. Computer-intensive programs will have their systems upgraded on a more frequent basis than others. Still, most PCs are considered dated and obsolete when three years old. However, a powerful workstation that is three years old may still fill the need for a classroom looking to expand their number of PCs.

Technology Overview (Law and Public Safety)

A. Technology

1. Inventory of current technology networking & telecommunications equipment.
    a. Total # of Computers: 70
        Desktop PCs: 0
        Laptops: 67
        Tablets: 3
    b. A 100Mb switched network along with full wireless capabilities.
2. Technology inventory needed to improve student achievement through 2019.
    a. The technology equipment for this building is constantly being updated. The students are required to utilize technology often. The network is Currently being expanded to allow more freedom through the use of wireless networking.
    b. All student computers are equipped with the full Microsoft Office 2016 and Adobe CS Suite ver. 5 suites along with the ability for the students to create CDs and/or DVDs. Many programs offer software geared toward their curriculum, such as an application called "All Data" which caters to the automotive repair program. The ability for instructional staff to add technology to their curriculum is always supported. The students are protected from illegitimate websites and viruses with our web filter and antivirus technology.
    c. Technology maintenance policies and plans are always evolving to support the latest technology and ensure students are provided with a stable and secure computing platform.
    d. Telecommunication services currently consist of a trunk of POTS lines. VoIP communications are planned for this location.
    e. The building is staffed by a support technician on an as needed basis. Subsequently, the daily operations run smoothly.
    f. The facilities infrastructure is capable of providing the necessary throughput for student and staff networking needs.
    g. All other services are sound.
3. The district is receptive to any source which integrates technology and the classroom. All requests for technology are evaluated to ensure proper operation. Once implemented, technicians are available to provide support to instructional staff to enable a smooth learning environment for the student.
4. Computer-intensive programs will have their systems upgraded on a more frequent basis than others. Still, most PCs are considered dated and obsolete when three years old. However, a powerful workstation that is three years old may still fill the need for a classroom looking to expand their number of PCs.

Technology Overview (Culinary Program at Atlantis)

A. Technology

1. Inventory of current technology networking & telecommunications equipment.
    a. Total # of Computers: 40
        Desktop PCs: 3
        Laptops: 30
        iPads: 7
    b. A 100Mb switched network along with full wireless capabilities.
2. Technology inventory needed to improve student achievement through 2019.
    a. The technology equipment for this building is constantly being updated. The students are required to utilize technology often. The network is

Currently being expanded to allow more freedom through the use of wireless networking.

b. All student computers are equipped with the full Microsoft Office 2016 and Adobe CS Suite ver. 5 suites along with the ability for the students to create CDs and/or DVDs. Many programs offer software geared toward their curriculum, such as an application called "All Data" which caters to the automotive repair program. The ability for instructional staff to add technology to their curriculum is always supported. The students are protected from illegitimate websites and viruses with our web filter and antivirus technology.

c. Technology maintenance policies and plans are always evolving to support the latest technology and ensure students are provided with a stable and secure computing platform.

d. Telecommunication services currently consist of a trunk of POTS lines. VoIP communications are planned for this location.

e. The building is staffed by a support technician on an as needed basis. Subsequently, the daily operations run smoothly.

f. The facilities infrastructure is capable of providing the necessary throughput for student and staff networking needs.

g. All other services are sound.

3. The district is receptive to any source which integrates technology and the classroom. All requests for technology are evaluated to ensure proper operation. Once implemented, technicians are available to provide support to instructional staff to enable a smooth learning environment for the student.
4. Computer-intensive programs will have their systems upgraded on a more frequent basis than others. Still, most PCs are considered dated and obsolete when three years old. However, a powerful workstation that is three years old may still fill the need for a classroom looking to expand their number of PCs.

Technology Overview (JDC)

A. Technology

1. Inventory of current technology networking & telecommunications equipment.
   a. Total # of Computers: 23
      Desktop PCs: 7
      Laptops: 16
      Tablets: 0
   b. A 100Mb switched network along with full wireless capabilities.
2. Technology inventory needed to improve student achievement through 2019.
   a. The technology equipment for this building is constantly being updated. The students are required to utilize technology often. The network is Currently being expanded to allow more freedom through the use of wireless networking.
   b. All student computers are equipped with the full Microsoft Office 2016 and Adobe CS Suite ver. 5 suites along with the ability for the students to create CDs and/or DVDs. Many programs offer software geared toward their curriculum, such as an application called "All Data" which caters to the automotive repair program. The ability for instructional staff to add technology to their curriculum is always supported. The students are protected from illegitimate websites and viruses with our web filter and antivirus technology.

c. Technology maintenance policies and plans are always evolving to support the latest technology and ensure students are provided with a stable and secure computing platform.
d. Telecommunication services PBX provided by Ocean County JDC.
e. The building is staffed by a support technician on an as needed basis. Subsequently, the daily operations run smoothly.
f. The facilities infrastructure is capable of providing the necessary throughput for student and staff networking needs.
g. All other services are sound.

3. The district is receptive to any source which integrates technology and the classroom. All requests for technology are evaluated to ensure proper operation. Once implemented, technicians are available to provide support to instructional staff to enable a smooth learning environment for the student.
4. Computer-intensive programs will have their systems upgraded on a more frequent basis than others. Still, most PCs are considered dated and obsolete when three years old. However, a powerful workstation that is three years old may still fill the need for a classroom looking to expand their number of PCs.

VI. ELECTRICAL SYSTEM CAPACITY AND ESTIMATED UPGRADE COSTS

BLDG LOCATION	*CURRENT AMP SERVICE*	*QTY PC/LAPTOP CART*	*AMP PER UNIT*	*TOTAL AMP*	*QTY T V*	*AMP PER UNIT*	*TOTAL AMP*	*TECH NEED*	*ESTIMATED ELEC SYS UPGR/RPL*
Admin	225	20/0	3	45	1	1.7	1.7	46.7	80,000
Brick	2,000	510/6	3/20	837	27	1.7	44.2	88.1	750,000
Navy/ Lakehurst	1,000	177/3	3/20	360	12	1.7	18.7	378.7	250,000
Jackson	2,000	100/2	3/20	166	13	1.7	20.4	186.4	750,000
SS/TR	400	11	3	33	1	0	0	33	125,000
TRC	3,000	204/1	3/20	464	5	1.7	6.8	470.8	1,000,000
Waretown	2,000	103/2	3/20	208	4	1.7	5.1	213.1	750,000
MATES	1,600	364/11	3 /20	572/220	1	0	0	792	1,000,000

VII. POTENTIAL FOR THE FUTURE

Security is always an issue and further protection is being planned for all district users. Protection will come in the form of continued updating of firewall capabilities, dedicated Internet and e-mail filtering and software content filtering.

With the growing increase in technology, the district will investigate implementing Microsoft Windows 7 on the client side and Windows Server 2008 as our network operating system. To keep staff members and students up to date with current affairs, the district maintains, and intends to further enhance, both Internet and Intranet sites. Further, the district switched its student database system from an in-house operation to a web-based system. This allows us to enjoy the simplicity of a common platform. The web-based platform allows for the ability of instructional staff to access and update their grade books from home. Along with this capability, the student's parent/guardian can go online and view the progress of their student.

To aid in the progress of the students, the district is implementing technology into all curricula. This past year, we began a five year (5) year process of reviewing all of our programs curricula, more tightly aligning it to the NJCCCS and meaningful integration of technology as an integral part of the learning process. This will allow the student to grow to their full capacity in their respective fields along with the ever increasing demands of technology.

VIII. CYBER SAFETY, SECURITY AND CONTENT FILTERING

Our IT Staff of six consisting of a Coordinator of Technology, Network Technician, three Field Technicians, and a Field Technician/Web Designer attend to the daily operation of the OCVTS District network, which includes, but is not limited to, maintaining the districts systems and training the user population on cyber safety.

To protect our student population, as well as our faculty and staff, we currently have a tiered filtering solution. On the edge is our Palo Alto 3320.This device only permits certain traffic to pass based on port number, protocol, and application. Next in line is the Cisco Edge Router. This device is configured to block unwanted traffice from entering the District network resources via the Internet through the use of access lists. The next layer of protection is our district wide anti-virus solution. We currently employ Kaspersky ver. 10. Besides virus prevention, this product also detects and eradicates any spy ware on client computers.

IX. RECOMMENDATIONS AND VISIONS FOR THE FUTURE

The technology committee reviewed the existing technology and media resources and future information technology needs. In addition, they developed goals and objectives to meet those needs. The following is a list of recommendations based on the needs and goals and objectives. These recommendations will be coordinated with the recommendations in the administrative plan and will be phased-in based on resources.

- Upgrade/replace instructor and student workstations based on need and utilization, deploying mobile/wireless technologies where appropriate and economically feasible.
- Develop and implement a model for staff development to include differentiated instruction, project based, multiple delivery systems and specific plans for each school based on their specific needs.
- Develop a technology integration plan for each program-based curriculum and train staff in the implementation of the NJCCCS as they apply in the individual vocational programs. Also, as much as possible (given the diverse nature of the available vocational programs), standardize the mechanism of student assessment.
- Provide a process for the systematic upgrade of software to ensure that everyone is using the same version, and to keep as current to industry standards as feasible.
- Move to a multi-platform environment in program areas were appropriate. This will help to insure technology literacy appropriate to career area.

X. THREE YEAR GOALS AND OBJECTIVES

2013-2016 Goals

GOAL I: USE INFORMATION TECHNOLOGY TO IMPROVE INSTRUCTION AND PROVIDE OPPORTUNITIES TO ACQUIRE TECHNICAL SKILLS.

Outcome: This goal has been achieved for the period of 2010 to 2013. It has been determined by the technology committee to continue this goal for the period of 2013 to 2016.

OBJECTIVE 1.1

Integrate content with technology across the curriculum.

ACTIVITY	TIMELINE
1. Provide and support models that emphasize the use of information technology in curriculum areas.	7/2016 - 6/2019
2. Schedule presentations to demonstrate new information technologies and applications to content.	7/2016 - 6/2019
3. Develop a plan for each program area based on the integration of appropriate technology.	7/2016 - 6/2019

4. Plan site visits for key staff members to research effective uses of information technology in program areas.	7/2016 - 6/2019
5. Incorporate technology skills into all curriculum areas as per the five-year plan.	7/2016 - 6/2019
6. Provide access to web and video conferencing to allow for planning between instructional staff at different sites.	7/2016 - 6/2019

OBJECTIVE 1.2

Update curriculum to integrate industry specific technologies.

ACTIVITY	TIMELINE
1. Review curriculum with Advisory Boards and professional organizations to identify industry specific technologies.	Ongoing
2. Review and evaluate new and existing software related to curriculum.	Ongoing
3. Plan for instructional staff to visit businesses implementing technology.	As needed
4. Support the development of program-based plans to infuse technology into each area.	Ongoing
5. Review, on a regular basis, industry publications relevant to instructional programs.	Ongoing
6. Attend industry seminars, conferences and meetings.	Ongoing

OBJECTIVE 1.3
Continue to match software and hardware to curriculum needs and identify appropriate technology-based tools.

ACTIVITY	TIMELINE
1. Provide instructional staff with the opportunity to view new software and other technologies.	Ongoing
2. Provide instructional staff with the opportunity to include Internet based learning activities/projects as part of each curriculum revision.	Ongoing
3. Include technology components as new curriculum materials are adopted.	Ongoing
4. Consult with sources to keep abreast or newly developed software and technology tools.	Ongoing

OBJECTIVE 1.4
Integrate technology throughout the curriculum by focusing on program required skills and competencies.

ACTIVITY	TIMELINE
1. Develop projects that transfer to life-long learning.	7/2016 – 6/2019
2. Promote the use of multi-media based tools across the curriculum.	7/2016 – 6/2019

OBJECTIVE 1.5
Update curriculum to place emphasis on the New Jersey Core Curriculum Content Standards.

ACTIVITY	TIMELINE
1. Align current curricula with the implementation of the NJCCCS.	7/2016 – 6/2019
2. Provide staff development for instructors as to how to Implement the NJCCCS as they apply to their program area.	7/2016 – 6/2019

GOAL II: IMPLEMENT CONSISTENT, ONGOING PROFESSIONAL DEVELOPMENT AND SUPPORT TO ENHANCE THE EXPERTISE OF INSTRUCTIONAL STAFF TO LEARN AND APPLY TECHNOLOGY WITHIN THE DISCIPLINES AND AS A TOOL TO IMPROVE TEACHING AND LEARNING.

Outcome: This goal has been achieved for the period of 2013 to 2016. It has been determined by the technology committee to continue this goal for the period of 2016 to 2019.

OBJECTIVE 2.1
Expand the district's staff development plan to include varied levels and modes of technology training.

ACTIVITY	TIMELINE
1. Identify a multifaceted approach to providing staff development.	9/2016 - 6/2019
2. Survey instructional staff and identify sessions based on levels of expertise.	1/2016 - 6/2019
3. Based on needs, offer a series of sessions including varied times and locations.	10/2016 - 6/2019
4. Work with program area staff to determine curriculum infusion techniques.	7/2016 - 6/2019
5. Develop and adopt a set of technology proficiencies to which all professional staff will aspire.	As Needed
6. Include a technology component in the professional development plans of each staff member.	7/2016 - 6/2019
7. Provide training and technology support to enable Instructional staff to help students learn via use of computers and through accessing information on the Internet.	9/2016 - 6/2019

OBJECTIVE 2.2
Infuse technology, wherever appropriate, in staff development activities.

ACTIVITY	TIMELINE
1. Promote the use of appropriate technology to deliver staff development.	Ongoing
2. Conduct sessions for staff to review new technology and software related to the specific content and program area.	Ongoing
3. Identify sites or model classrooms in the district where educators may observe the use of technology in the classroom.	Ongoing

OBJECTIVE 2.3
Design and implement a plan at each center to increase technology proficiency.

ACTIVITY	TIMELINE
1. Work with appropriate administrators to determine training logistics at each center.	10/2016 – 6/2019

2. Support training opportunities at each site to meet staff development needs.	As Needed
3. Design and implement a plan at each center to increase technology proficiency that is aligned to the building objective.	As Needed

OBJECTIVE 2.4
Establish and maintain relationships with institutions in the public and private sectors to aid in the development of a technologically advanced staff.

ACTIVITY	TIMELINE
1. Expand partnerships with local colleges and universities.	Ongoing
2. Expand partnerships with corporate sponsors to provide training, use of facilities or other support services.	Ongoing
3. Identify representatives or institutions with technology expertise and coordinate relationships with instructional staff in each center.	Ongoing
4. Coordinate staff development activities with other schools and training facilities in the county.	Ongoing

GOAL III: INCREASE THE CAPACITY OF THE SCHOOL SYSTEM TO MAXIMIZE THE USE OF AVAILABLE AND DEVELOPING TECHNOLOGIES THROUGH THE DEVELOPMENT AND SUPPORT OF NETWORKS AND TECHNOLOGY INFRASTRUCTURES.

Outcome: This goal has been achieved for the period of 2013 to 2016. It has been determined by the technology committee to continue this goal for the period of 2016 to 2019.

OBJECTIVE 3.1
Install distributed local area networks to support voice, video and data at all centers to allow students and staff to share resources.

ACTIVITY	TIMELINE
1. Coordinate all networking installations with Administrative networks.	Ongoing
2. Structure networks to provide access to voice, video and data.	As Needed
3. Identify appropriate equipment based on each center's needs.	As Needed
4. Upgrade equipment and reallocate older hardware as appropriate.	7/2016 - 6/2019
5. Identify centers as part of the phase-in process.	As Needed

OBJECTIVE 3.2
Expand wide area networks to support information access between buildings.

ACTIVITY	TIMELINE
1. Coordinate all networking installations with administrative networks.	Ongoing
2. Provide secure storage areas on student data servers in each building by program area.	Ongoing
3. Assess staff needs to identify equitable access to appropriate information.	Ongoing
4. Provide training on the use of new student database system.	Ongoing

OBJECTIVE 3.3
Utilize Internet connectivity to expand the pool of resources and method of instructional delivery.

ACTIVITY	TIMELINE
1. Identify needs of students and staff to ensure Internet access from appropriate computers.	7/2016 – 6/2019
2. Develop web pages for each program to be accessed through district page.	Ongoing
3. Utilize Internet for career information.	Ongoing

X. 2013-2016 THREE YEAR IMPLEMENTATION ACTIVITY TABLES

ACTION PLAN

After identifying goals and objectives, the action plan delineates the specific activities needed to implement the goals and objectives along with suggested timelines. There is an action plan that specifically addresses each of the three areas of focus identified by the committee. It is essential that this process be implemented cooperatively with the plan for administrative technology since it is more effective and efficient to develop one infrastructure that will meet the needs of the Ocean County Vocational Technical School.

GOAL I: USE TECHNOLOGY TO IMPROVE INSTRUCTION AND PROVIDE OPPORTUNITIES TO ACQUIRE TECHNICAL SKILLS.

OBJECTIVE 1.1
Integrate content with interactive and on-line technology across the curriculum.

ACTIVITY	TIMELINE	PERSON RESPONSIBLE
1. Provide and support models that emphasize the use of technology in curriculum areas.	7/2016 - 6/2019	Coordinator of Technology
2. Schedule presentations to demonstrate new technologies and applications to content.	7/2016 - 6/2019	IT Team

ACTIVITY	TIMELINE	PERSON RESPONSIBLE
3. Develop a plan for each program area based on the integration of appropriate technology.	7/2016 - 6/2019	Building Principals
4. Plan site visits for key staff members to research effective uses of technology in program areas.	7/2016 - 6/2019	Building Principals
5. Incorporate technology skills into all curriculum areas as per the five-year plan.	7/2016 - 6/2019	Assistant Superintendent
6. Provide access to web and video conferencing to allow for planning between program instructional staff at different sites.	7/2016 - 6/2019	Coordinator of Technology

OBJECTIVE 1.2
Update curriculum to integrate industry specific technologies.

ACTIVITY	TIMELINE	PERSON RESPONSIBLE
1. Review curriculum with Advisory Boards and professional organizations to identify industry specific technologies.	10/2016 - 6/2019	Instructional Staff
2. Review and evaluate new and existing software relates to curriculum.	Ongoing	Instructional Staff
3. Plan for instructional staff to visit businesses implementing technology.	As Needed	Building Principals
4. Support the development of program-based plans to infuse technology into each area.	Ongoing	Instructional Staff
5. Review, on a regular basis, industry publications relevant to instructional programs.	7/2016 - 6/2019	Instructional Staff
6. Attend industry seminars, conferences and meetings.	Ongoing	Instructional Staff

OBJECTIVE 1.3
Continue to match software to curriculum needs and identify appropriate technology-based tools.

ACTIVITY	TIMELINE	PERSON RESPONSIBLE
1. Provide instructional staff with the opportunity to view new software and other technologies.	Ongoing	Building Principals
2. Provide instructional staff with the opportunity to include Internet based learning opportunities/projects as part of revised curriculum.	7/2016 - 6/2019	Building Principals
3. Include technology components as new curriculum materials are adopted.	Ongoing	Building Principals
4. Keep abreast of newly developed software and technology tools.	Ongoing	Building Principals Instructional Staff

OBJECTIVE 1.4
Link appropriate technologies to curriculum areas by focusing on applications.

ACTIVITY	TIMELINE	PERSON RESPONSIBLE
1. Develop projects that transfer to life-long learning.	7/2016 - 6/2019	Instructional Staff
2. Promote the use of multi-media based tools across the curriculum.	7/2016 - 6/2019	Instructional Staff

OBJECTIVE 1.5
Update curriculum to place emphasis on the Core Curriculum Content Standards as they relate to the individual vocational programs.

ACTIVITY	TIMELINE	PERSON RESPONSIBLE
1. Re-align current curricula with the implementation of Core Curriculum Content Standards.	9/2016 - 6/2019	Assistant Superintendent
2. Implement NJCCCS as they apply to their program area.	1/2016 - 6/2019	Instructional Staff

GOAL II: IMPLEMENT CONSISTENT, ONGOING PROFESSIONAL DEVELOPMENT AND SUPPORT TO DEVELOP THE EXPERTISE OF INSTRUCTIONAL STAFF TO LEARN AND APPLY TECHNOLOGY WITHIN THE DISCIPLINES AND AS A TOOL TO IMPROVE TEACHING AND LEARNING.

OBJECTIVE 2.1
Expand the district's staff development plan to include varied levels and modes of technology training.

ACTIVITY	TIMELINE	PERSON RESPONSIBLE
1. Identify a multifaceted approach to providing staff development.	9/2016 - 6/2019	Assistant Superintendent
2. Survey instructional staff and identify sessions based on levels of expertise.	1/2016 - 6/2019	Coordinator of Technology/Supervisor of Curriculum
3. Based on needs, offer a series of sessions including varied times and locations.	10/2016 - 6/2019	Coordinator of Technology/Supervisor of Curriculum
4. Work with program area staff to determine curriculum infusion techniques.	7/2016 - 6/2019	Coordinator of Technology/Supervisor of Curriculum
5. Develop and adopt a set of technology proficiencies to which all professional staff will aspire.	As Needed	Coordinator of Technology/Supervisor of Curriculum
6. Encourage instructional staff to include a technology component in the professional development plans of each staff member.	7/2016 - 6/2019	Building Principals
7. Provide training and technology support to enable instructional staff to help students learn through use of computers and through accessing information on the Internet.	9/2016 - 6/2019	Coordinator of Technology/ Building Principals

OBJECTIVE 2.2
Infuse technology wherever appropriate, in staff development activities.

ACTIVITY	TIMELINE	PERSON RESPONSIBLE
1. Promote the use of appropriate technology as the way of delivering staff development.	Ongoing	Building Principals
2. Conduct sessions for staff to review new technology and software related to the specific content and program area.	Ongoing	Building Principals

3. Identify sites or model classrooms in the district where educators may observe the use of technology in the classroom.	Ongoing	Building Principals

OBJECTIVE 2.3
Design and implement a plan at each center to increase technology proficiency.

ACTIVITY	TIMELINE	PERSON RESPONSIBLE
1. Work with appropriate administrators to determine training logistics at each site.	10/2016 – 6/2019	Coordinator of Technology
2. Support training opportunities at each site to meet staff development needs.	As Needed	Supervisor of Curriculum
3. Design and implement a plan at each center to increase technology proficiency that is aligned to the building objective.	As Needed	Coordinator of Technology

OBJECTIVE 2.4
Establish and maintain relationship with institutions in the public and private sectors to aid in the development of a technologically advanced staff.

ACTIVITY	TIMELINE	PERSON RESPONSIBLE
1. Expand partnerships with local colleges and universities.	Ongoing	Assistant Superintendent
2. Expand partnerships with corporate sponsors to provide training, use of facilities or other support services.	Ongoing	Assistant Superintendent

ACTIVITY	TIMELINE	PERSON RESPONSIBLE
3. Identify representatives or institutions with expertise and coordinate relationships with schools.	Ongoing	Assistant Superintendent
4. Coordinate staff development activities with other schools and training facilities in the county.	Ongoing	Assistant Superintendent

GOAL III: INCREASE THE CAPACITY OF THE SCHOOL SYSTEM TO MAXIMIZE THE USE OF AVAILABLE AND DEVELOPING TECHNOLOGIES THROUGH THE DEVELOPMENT AND SUPPORT OF NETWORKS AND TECHNOLOGY INFRASTRUCTURES.

OBJECTIVE 3.1
Install distributed local area networks to support voice, video and data at all centers to allow students and staff to share resources.

ACTIVITY	TIMELINE	PERSON RESPONSIBLE
1. Coordinate all networking installations with Administrative networks.	Ongoing	Coordinator of Technology/ IT Team
2. Structure networks to provide access to voice, video and data.	Ongoing	Coordinator of Technology/ IT Team
3. Identify appropriate equipment based on each center's needs.	As Needed	Assistant Superintendent
4. Upgrade equipment and reallocate older hardware as appropriate.	7/2016 - 6/2019	Assistant Superintendent
5. Identify centers as part of the phase-in process.	7/2016 - 6/2019	Assistant Superintendent

OBJECTIVE 3.2
Install wide area networks to support information access between buildings.

ACTIVITY	TIMELINE	PERSON RESPONSIBLE
1. Coordinate all networking installations with administrative networks.	Ongoing	Coordinator of Technology/ IT Team

ACTIVITY	TIMELINE	PERSON RESPONSIBLE
2. Provide secure storage areas on student data servers in each building by program area.	Ongoing	Coordinator of Technology/ IT Team
3. Assess staff needs to identify equitable access to appropriate information.	Ongoing	Coordinator of Technology/ IT Team

4. Provide continued training on the use of new student database system.	Ongoing	Coordinator of Technology/ IT Team

OBJECTIVE 3.3
Utilize Internet connectivity to expand the pool of resources and method of instructional delivery.

ACTIVITY	TIMELINE	PERSON RESPONSIBLE
1. Identify needs of students and staff to ensure Internet access from appropriate computers.	7/2016 - 6/2019	Coordinator of Technology/ IT Team
2. Develop web pages for each center to be accessed through district page.	Ongoing	Coordinator of Technology/ IT Team
3. Utilize Internet for career information.	9/2016 - 6/2019	Counselors

XII. FUNDING PLAN

This table indicates the funding source to ensure that students have access to technology. The use of this table is optional and is provided as a reference chart.

Technology Plan Checklist for NJ School Districts/Charter Schools (2013-2016) **Three Year Technology Plan Funding Table**				
ITEM	**FEDERAL FUNDING**	**STATE FUNDING**	**LOCAL FUNDING**	**MISC. (e.g. donations)**
Technology Equipment	**152,000 PER YEAR**	**70,200 PER YEAR**	**166,250 PER YEAR**	**2,850 PER YEAR**
Network Capacity		**40,500 PER YEAR**	**81,700 PER YEAR**	
Filtering Software		**2,700 PER YEAR**	**41,800 PER YEAR**	
Maintenance Policy and Plans		**26,100 PER YEAR**	**38,000 PER YEAR**	
SmartNet Contract (Support and Maintenance on Cisco Firewalls, Routers, Ethernet Switches, VoIP equipment, etc.)		**21,000 PER YEAR**		

XIII. PROFESSIONAL DEVELOPMENT

A. Provide the name and title of the person responsible for coordinating the professional development activities noted in this plan.

Nancy Weber-Loeffert, Assistant Superintendent

Professional Development Committee

B. Describe the planned professional development activities for instructional staff, administrators and school media personnel that include:

1. How instructional staff and media personnel have access to educational technology in their instructional areas (such as using desktops, mobile laptop and wireless units, PDAs).

Instructional staff, media personnel and other staff have access to educational technology in their instructional areas by utilizing the district IT team and by requesting technology needs to the building Principals. The requests are considered by priority by district administration.

2. How administrators have access to technology in their workplace (such as using desktops, mobile laptop and wireless units, PDAs).

Administrators are provided access to technology in their workplace by the Coordinator of Technology and the district IT team.

3. How ongoing, sustained professional development for all administrators will be provided to further the effective use of technology in the classroom or media center.

Administrators will be given opportunities to attend subject-area appropriate workshops and conferences. In addition, ongoing and sustained workshops are provided at all buildings with partner support.

4. How ongoing, sustained professional development for all staff will be provided to further the effective use of technology in the classroom or media center.

Ongoing, sustained professional development for all staff will be provided by allowing release time, and classroom coverage for teaching staff to attend subject-area appropriate and board approved workshops and conferences. In addition, ongoing and sustained workshops are provided at all buildings with partner support.

5. The professional development opportunities and resources that exist for faculty and support staff.

District Professional Development In-Services

Trade and Subject Area Workshops

NJEA Convention

Mentoring Program

Advisory Committee

Professional Learning Teams

On-Line Workshops/Seminars

C. Based on educators' proficiency and the identified needs for professional development, describe only the ongoing, and sustained high-quality professional development opportunities planned for 2013-2016 as it relates to the infusion of technology into the curricular process. Include a description of in-class support such as coaching that is used to ensure effective use of technology to improve learning. Also, include a description of the involvement of all partners associated with professional development for the district.

Please see attached table

D. Identify the financial and time resources to keep staff current in learning about new technologies.

The district will continue to provide funding, allow release time, and classroom coverage for teaching staff to attend appropriate and board approved workshops and conferences.

E. Project professional development activities that will continue to support identified needs through 2019, including all partners.

Professional development activities that will continue to support identified staff needs through 2019 will include but are not limited to: related outside workshops and conferences, district in-services, presentations at building staff meetings and workshops.

XIV. OCVTS PROFESSIONAL DEVELOPMENT IMPLEMENTATION TABLE

Educators' proficiency/ Identified Need	Ongoing, sustained, high-quality professional development planned for 2016-2019	Support
Expanding instructional staff' content area knowledge	Provide staff opportunities to attend content area appropriate workshops and conferences	To provide funding, allow release time, and classroom coverage for teaching staff to attend appropriate and Board approved workshops and conferences
Implementing differentiated instruction teaching strategies	Deliver ongoing, sustained, high-quality series of workshops on the topic of differentiated instruction	Presentations at building staff meetings with partner support ~ Mentors will model the use of differentiated instruction in the classroom
Knowledge of Common Core Standards and how they relate to technical subjects	Address through the use of PD360 video library on the implementation of Common Core Strategies, Reading in the Content Area, Helping Students Learn Through Writing.	Collaborative viewing scheduled via faculty meetings ~ PD hours awarded for collaborative viewing and completion of reflection questions
Expanding faculty technology skills for integration into curricula	Run series of workshops on the integration of technology into the curricula	Provide workshop series at all buildings with partner support ~ Mentors to model the utilization of technology in the classroom.
Creating innovative lesson plans	Address issue at Staff/Faculty meetings ~ Run series of workshops on creating innovative lesson plans	Building Principals to address issue at Staff/Faculty meetings ~ Presentations at building staff meetings with partner support
Aligning curriculum with the NJ Core Curriculum Content Standards	Address issues at Staff/Faculty meetings ~ Run series of workshops on aligning curriculum with the NJ Core Curriculum Content Standards	Provide workshop series at all buildings with partner support
Individualized Education Plans	Address issue at Staff/Faculty meetings	Building Principals to address issue at Staff/Faculty meetings
NJ Special Education Laws	Address issue at Staff/Faculty meetings	Building Principals to address issue at Staff/Faculty meetings

XV. EVALUATION PLAN

Regular monitoring and adjustment is essential to the successful implementation of any plan. With the current rate of technological advancement, ongoing monitoring and assessment have become more critical than ever. The following measures will be taken to ascertain the effectiveness of the plan, and information will be collected on a regular basis regarding the status of the goals and objectives, the acquisition of equipment, the delivery of staff development, and the installation and upgrade of networks and information technology. The technology committee will meet annually to review the progress of the plan, conceive appropriate adjustments where required, and present recommendations to the Superintendent and the Board of Education.

Instructional elements of the technology plan have been incorporated into additional district initiatives such as the Perkins funding objectives, individual building objectives, and the instructional staff Professional Improvement Plans, and other technologically specific grant initiatives. Through the implementation of these objectives, tangible evidence of the success of the plan in improving student achievement is demonstrated. These elements are reviewed annually by building and district level administrators, and periodically by the relevant State and/or Federal agency with oversight responsibility for a given grant.

Additionally, the district has implemented a number of activities to monitor the technology status within the district. These activities include, but are not limited to the following:

- Feedback via by the Coordinator of Technology to District Level Administrators on an as needed basis.
- An on-line PC help request form which compiles all requests for technology support services, upgrades, repairs, replacements, and new equipment.
- Professional day summary reports completed by all staff participating in staff development activities.
- The district's annual report that highlights technology initiatives completed during the year.
- The District's Technology Plan is reviewed and approved by the County Superintendent of Schools once every three years.

Ocean County Vocational Technical School

TECHNOLOGY THREE YEAR PLAN

Needs Assessment Survey

DIRECTIONS: Please complete this assessment survey and return it to: Greg Lasky, Coordinator of Technology.

CENTER:	PROGRAM:

On a scale from 1 (Strongly Disagree) to 5 (Strongly Agree), please rate the following areas; ***by putting an X in the appropriate box***:

1.) I am satisfied with the district's performance in the providing/purchasing technology.

1.)		2.)		3.)		4.)		5.)	

If not satisfied, please comment in the space provided:

2.) I am satisfied with the district's performance in providing technology support/service.

1.)		2.)		3.)		4.)		5.)	

If not satisfied, please comment in the space provided:

3.) I am satisfied with the district's performance in the providing technology training.

1.)		2.)		3.)		4.)		5.)	

If not satisfied, please comment in the space provided:

4.) How would you prioritize (1 through 5, with 1 being the most important and 5 being the least important) as the most useful software instructional tool for your classroom?

a) Internet Based Tools and Apps.	
b) Program/Trade (Prog. Specific Apps.)	
c) Photo/Video Editing	
d) Web-site Creation (Adobe Creative Suite)	
e) Microsoft Office Application	

Please comment in the space provided:

5.) What would you be your top five (5) technology needs for the district over the next three years?

In your priority order, number the appropriate 5 boxes (1 – highest and 5 – lowest)

A.	On-line/Video Conferencing	
B.	Interactive Whiteboard Applications	
C.	Real-Time	
D.	On-line Discussions/Blogs	
E.	Cyber Safety/Security/Filtering	