



Dunkirk City School District 2015-18 Instructional Technology Plan

A. LEA INFORMATION

1. Total student enrollment based on the most recent (2015-16) BEDS Day submission 1992 <https://data.nysed.gov/enrollment.php?year=2016&instid=800000054353>

2. Student enrollment by grade band based on the most recent BEDS Day submission

| GRADE BAND | ENROLLMENT |
|-------------|------------|
| Pre K | 67 |
| Grade K-2 | 497 |
| Grades 3-5 | 435 |
| Grades 6-8 | 462 |
| Grades 9-12 | 578 |
| Ungraded | 20 |

3. Name of the district administrator entering the technology plan survey data Judy Diem

4. Title of the district administrator entering the technology plan survey data Director of Technology



B. INSTRUCTIONAL TECHNOLOGY VISION AND GOALS

1. District Mission Statement The focus of this Instructional Technology Plan is to ensure all students graduate with the skills needs for 21st century college and career readiness. The following vision and goals were developed in accordance with the district mission statement posted on the Dunkirk City School District website (<http://dunkirkcsd.org>)

The mission of the Dunkirk City School District, through mutual cooperation and shared responsibility with the entire community, is to empower all students to clearly perceive their goals while developing their skills, knowledge and values to become lifelong learners, and independent, productive citizens in a multicultural world.

2. Instructional Technology Vision & Goals Students will attain the technological aptitude to become 21st century-skilled global citizens and wise users of a technological tool chest in college and career environments through creative instructional methods.

| SMART Schools Commission Keys to Success | SMART Goals Specific, Measurable, Attainable, Relevant, Time-bound |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Expansion of Online Learning | <p>By June 2018 all students, including those with disabilities and ELLs, will have access to course content anywhere, anytime, and to documents created during the school day</p> <ul style="list-style-type: none"> 2017-09 – The district will begin a Google Classroom pilot at each of the six buildings. <p>By June 2016 all students, parents, and teachers will have access to a video library of Common Core lessons created by the School #3 faculty</p> <p>By June 2017 all students, including those with disabilities and ELLs, will have access to a digital resource toolkit housed on the district website</p> |
| Utilization of Transformative Technologies | <p>By June 2018 all students, including those with disabilities and ELLs, will have access to transformative technologies (Chromebook) throughout the school day</p> <ul style="list-style-type: none"> 2017-07 The district will purchase 25 Chromebook carts for classrooms participating in the Google Classroom pilot |
| Connectivity of Every School to High-Speed Broadband | <p>By June 2018 all students, including those with disabilities and ELLs, will be able to utilize transformative technologies (laptops, iPad) at all times throughout the school day without interruption of service</p> <ul style="list-style-type: none"> Summer 2017 network upgrade will begin in the High School Summer 2017 additional access points will be added to each of the four elementary buildings |
| Extension of Connectivity to Community | <p>By June 2017 all students, including those with disabilities and ELLs, will have free off-campus access to licensed software and web-based applications</p> <p>By June 2018 high school students will be able to use the Marauder News studio for morning news broadcasts daily, and evening programming will be done 2 times a week in partnership[with community members</p> |



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|--|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | <p>Provision of High-quality PD to Teachers, Administrators, and Staff</p> | <p>By June 2018 all staff will attend at least 1 technology integration workshop</p> <ul style="list-style-type: none"> By August 2017 all teachers participating in the Google Classroom pilot will have completed two levels of training in this application By June 2018 all teachers participating in the Google Classroom pilot will have completed a third level of training comprised of small group instruction with follow-up coaching By January 2018 a core group of teachers identified as teacher leaders within the Google Classroom pilot initiative will begin training as turnkey trainers By April 2018 training will begin for the next group of teachers participating in the Google Classroom initiative <p>By June 2018 a minimum of 2 teachers at the elementary level, 2 teachers from the MS, and 2 teachers from the HS will be MOS (Microsoft Office Specialist) certified</p> <p>By June 2018, 100% of staff will be trained in digital citizenship</p> <p>By June 2017 all staff teaching students with disabilities will have received formalized training in assistive technologies used by their students</p> |
| | <p>Focus on In-Demand STEM and 21st Century Learning Skills</p> | <p>By June 2018 all graduating seniors will have access to a digital portfolio</p> <p>By June 2018 10% of graduating seniors will have MOS certification by the time they graduate</p> <p>By June 2018 all students, including those with disabilities and ELLs, will graduate having received formalized instruction in productivity software</p> <p>By December 2017 School #6 (currently vacant) will be renovated and transformed into a PTECH 9-14 college and career academy, built in cooperation with local businesses and Jamestown Community College to meet the current and projected manufacturing workforce needs in Chautauqua County. (The current PTECH curriculum and technologies are aligned directly with local manufacturing businesses including, but not limited to, Cummins, Titan X, Lakeside Precision, Ring Precision, Excelco Newbrook, and Trucklite</p> <p>By June 2018 All staff will have access to a cloud-based platform (Office 365) to assist with workflow management and productivity</p> |

3. Planning process used to develop the instructional technology plan

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| <p>Planning Process Used to Develop Instructional Technology Plan</p> <p>Continuation of technology plan development meetings. Committee met 4 times during the current school year.</p> <p>Meetings included the following stakeholders:</p> <ul style="list-style-type: none"> - Director of Technology - Director of Special Education - Director of P TECH Program - Parent - Elementary teacher - MS teacher - MS Technology Education teacher - Hs library media specialist |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



- HS ESL teacher
- HS SPED teacher
- Public library director
- SUNY Fredonia college professor / literacy specialist
- (student – unable to attend these meetings – will recruit for next year)
- Professional Development Committee chairperson

Met to discuss the following:

- Review of current instructional technology plan
- Revision of goals
- Development of action steps
- Ways to leverage resources of additional partners to increase technology integration between school, the community, and the region
- The development of a sequential professional development plan for staff, students, and community members

Outcomes of these meetings include:

- Revision of goals
- Adjusted timelines for completion
- Expansion of technology plan development committee to include additional stakeholders
- The inclusion of digital citizenship in the professional development committee's summer training schedule
- Ways to involve more partners to achieve the goals listed in the tech plan

Continuous technology planning meetings were held with the district business manager and BOCES staff on the following topics:

- Network upgrade planning
- Hardware replacement cycles
- Current and future technology purchases



4. Source(s) of any gap between the current level of technology and the district's stated vision and goals

- Access Points
- Cabling
- Connectivity
- Device Gap
- Network
- Professional Development
- Staffing

5. Based upon answer to question four, the top three challenges that are causing the gap

Funding
 Network capability
 No consistent training for teachers, administrators, and staff on technology skills needs for 21st century learning

C. TECHNOLOGY AND INFRASTRUCTURE SUPPORT

| 1. Available network broadband bandwidth | NETWORK BROADBAND BANDWIDTH | Minimum Capacity (Expressed in Mb or Gb) | Maximum Capacity (Expressed in Mb or Gb) |
|------------------------------------------|------------------------------------------------------------------------|------------------------------------------|------------------------------------------|
| | Network Bandwidth: Incoming connection TO district schools (WAN) | 1Gb | 1Gb |
| | Internal Network Bandwidth: Connections BETWEEN school buildings (LAN) | 1Gb | 10Gb |
| | Bandwidth: connections WITHIN school buildings (LAN) | 1Gb | 1Gb |

2. Total contracted Internet Access bandwidth for district (speed configured to

1Gb / 1Gb



get from the district hub out to the Internet)

3. Name of agency or vendor that district purchases its primary Internet access bandwidth service from WNYRIC / Erie 1 BOCES

| 4. Wireless protocols available in the district; Wireless protocols currently in use | WIRELESS PROTOCOLS | Available | In Use |
|-----------------------------------------------------------------------------------------|--------------------|-----------|--------|
| | 802.11a | | |
| | 802.11b | ✓ | ✓ |
| | 802.11g | ✓ | ✓ |
| | 802.11n | ✓ | ✓ |
| | 802.11ac | | |
| | 802.11ad | | |
| | 802.11af | | |

5. Wireless access points in use in the district Yes

5a. Percentage of district's instructional space with coverage 100%

6. Wireless controller in use Yes

7. Port speed of the switches that are less than five years old in use in the district 1Gb

| 8. Computing devices, less than five years old, in use in the district (Include only devices used for instructional purposes) | COMPUTING DEVICES | Number of Devices in Use That Are Less Than Five Years old | Number of These Devices Connected to the LAN |
|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------------------------------------------|----------------------------------------------|
| | Desktop Computers / Virtual Machine (VM) | 409 | 409 |
| | Laptops / Virtual Machine (VM) | 288 | 288 |
| | Chromebooks | | |



| | | |
|---------------------------------------------------------------------------|-----|-----|
| Tablets less than nine (9) inches with access to an external keyboard | | |
| Tablets nine (9) inches or greater with access to an external keyboard | 237 | 237 |
| Tablets less than nine (9) inches without access to an external keyboard | | |
| Tablets nine (9) inches or greater without access to an external keyboard | 30 | 30 |

| | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------|
| 9. Percentage of total number of students with disabilities in district provided with assistive technology as documented on their Individualized Education Programs (IEPs) | Percentage of Students with Assistive Technology as Documented on Their IEPs | Assistive Technologies Provided |
| | 48% | Access to alternative methods of writing |
| | | Calculators |
| | | Provision of text in accessible formats |
| | | Access to Word processor |
| | | Access to augmentative communication |
| Picture communication system | | |

10. Any additional assistance or resources that, if provided, would enhance the district's ability to provide improved access to technologies, including assistive technologies, for students with disabilities

Funding for professional development on text-to-speech and other assistive technologies available in the district

| | | |
|------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------|
| 11. Number of peripheral devices, less than five years old, in use in the district | PERIPHERAL DEVICES | Number of Devices in Use That Are Less than Five Years Old |
| | Document Cameras | 74 |
| | Flat Panel Displays | |
| | Interactive Projectors | 9 |
| | Interactive Whiteboards | 2 |
| | Multi-function Printers | 25 |
| | Projectors | 123 |
| | Scanners | 2 |
| Other Peripherals | 2 Lifesize Units | |



12. Description and number of “Other Peripheral Devices” 2 Lifesize Units

13. Asset inventory tagging system present in district Yes

14. District allows students to BYOD (Bring Your Own Device) No

15. District has provided for the loan of instructional computer hardware to students legally attending nonpublic schools pursuant to Education Law, section 754 Yes

D. SOFTWARE AND IT SUPPORT

1. Operating system(s) in use throughout the district

| OPERATING SYSTEMS | In Use |
|-----------------------------|---------------|
| Mac OS Version 9 or earlier | No |
| Mac OS Version 10 or later | Yes |
| Windows XP | No |
| Windows 7.0 | Yes |
| Windows 8.0 or greater | Yes |
| Apple iOS 7 or greater | Yes |
| Chrome OS | Yes |
| Android | No |
| Other | No |

2. Name of operating system if response to question #1 included “other” n/a



| | | |
|--------------------------------------------------------------------|--------------------------------|----------------------------------------|
| 3. Web browsers, both available and supported, for use in district | WEB BROWSERS | Available and Supported for Use |
| | Internet Explorer 7 | No |
| | Internet Explorer 8 | No |
| | Internet Explorer 9 or greater | Yes |
| | Mozilla / Firefox | Yes |
| | Google Chrome | Yes |
| | Safari (Apple) | Yes |
| | Other | n/a |

4. Name of web browser if the response to question three included "other" n/a

5. Name of learning management system (LMS) most commonly used in the district None used

| | |
|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 6. Five most commonly used software programs used that support classroom instruction in the district | Five Most Commonly Used Software Programs that Support Classroom Instruction |
| | Productivity software |
| | Diagnostic and formative assessment systems |
| | Supplemental reading programs |
| | Supplemental math programs |
| Digital curriculum | |

| | |
|-------------------------------------------------|---------------------------------------------------|
| 7. Five most frequently used research databases | Five Most Commonly Used Research Databases |
| | World Book Online |
| | Webpath Express |
| | Grolier Online |
| | Gale Academic |
| Discovery Education | |



8. Existence of a Parent Portal Yes

8a. Applications of Parent Portal, if response to question eight was "yes"

| USES OF PARENT PORTAL | |
|-----------------------|-------------------------------------|
| Attendance | <input checked="" type="checkbox"/> |
| Homework | <input checked="" type="checkbox"/> |
| Student schedules | <input checked="" type="checkbox"/> |
| Grade reporting | <input checked="" type="checkbox"/> |
| Transcripts | <input checked="" type="checkbox"/> |
| Other | <input checked="" type="checkbox"/> |

9. Additional technology-based strategies and tools, besides the Parent Portal, are used to increase parent involvement

| Additional Technology-Based Strategies and Tools Used to Increase Parent Involvement | |
|--------------------------------------------------------------------------------------|------------|
| Learning Management System | n/a |
| Emergency Broadcast System | ✓ |
| Website | ✓ |
| Facebook | ✓ |
| Twitter | n/a |
| Other | TV Station |

9a. Additional information, if "other" was one of the responses checked TV Station

10. Title and FTE count of all staff primarily responsible for technical support

| TITLE | Current FTE's |
|--------------------------------------------------------|---------------|
| Director of Technology | 1.0 |
| Department Secretary | 1.0 |
| Senior LAN / WAN Technical Support Specialists (BOCES) | 0.8 |
| Microcomputer Technical Support Specialists (BOCES) | 2.0 |



E. CURRICULUM AND INSTRUCTION

| 1. District's plans to use digital connectivity and technology to improve teaching and learning | SMART Schools Category | Plans to Use Digital Connectivity and Technology to Improve Teaching and Learning |
|-------------------------------------------------------------------------------------------------|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Online Learning | To expand online learning to allow for students to access content and projects outside of the school day, anywhere, anytime. |
| | Transformative Technologies | To increase availability of transformative technologies so that students will be able to advance at their own pace. |
| | Connectivity Between Schools | To increase wireless capability to serve every student without interruption of service. |
| | Connectivity Outside of Schools | To partner with the Dunkirk Public Library and other community organizations to allow all students equal access to technology and internet-based resources. |
| | Professional Development | To provide high-quality, continuous professional development to teachers, principals, and staff to ensure successful integration of 21 st century learning and STEM skills into all teaching and learning |
| | 21 st Century Learning and STEM Skills | To ensure all students graduate with skills needed for success in the 21 st century workplace. |

2. How the district's instructional technology plan addresses the needs of students with Yes



disabilities to ensure equitable access to instruction, materials, and assessments

Dunkirk City School District currently has assistive technologies in place to ensure students with disabilities have equitable access to instruction, materials, and assessments. These include, but are not restricted to:

| |
|--------------------------------------------|
| Access to alternative methods of writing |
| Calculators |
| Provision of text in accessible formats |
| Access to word processor |
| Access to augmentative communication tools |
| Access to picture communication systems |

The goals listed in this plan focus on expansion of online learning, utilization of online learning, connectivity of every school to high-speed broadband, extension of connectivity to the community, provision of high-quality PD to teachers, administrators, and staff, and a focus on in-demand STEM and 21st century learning skills will benefit students both in the general education and special education curriculums. These goals were developed to ensure all students are successful in the 21st century world after they graduate.

3. District's instructional technology plan addresses the provision of assistive technology specifically for students with disabilities to ensure access to and participation in the general curriculum

Yes

Included in the plan is the goal of having all staff teaching students with disabilities formally trained in assistive technologies currently present in the district.

4. District's instructional technology plan addresses the needs of English Language Learners

Yes

The goals listed in this plan focus on expansion of online learning, utilization of online learning, connectivity of every school to high-speed broadband, extension of connectivity to the community, provision of high-quality PD to teachers, administrators, and staff, and a focus on in-demand STEM and 21st century learning skills. These are for students in the general education, special education, and ELL programs. They were developed to ensure all students are successful in the 21st century world after they graduate.



F. PROFESSIONAL DEVELOPMENT

1. Summary of professional development offered to teachers and staff, for the time period covered by this plan, to support technology to enhance teaching and learning

| Topics | Audience | Method of Delivery |
|----------------------------------------------------------------|------------------------------------|------------------------------------------------------------------------------|
| Training for staff in digital citizenship | Faculty Staff Administrators | Online module Small group academy |
| Training in assistive technologies currently available | Faculty Staff Administrators | Small group Instruction Individualized coaching Newsletter publication |
| Training for all staff in productivity software | Faculty Staff Administrators | Small group instruction Individualized coaching Newsletter publication |
| Training for School #3 Faculty in video creation and archiving | School #3 Faculty | Small group instruction Individualized coaching |
| Training for all staff in toolkit applications | Faculty | Small group instruction Newsletter publication |



| | | | |
|--|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------------------------------------------------------------------------------------------|
| | Training for personnel at public library in software and web-based applications made available to students at this location | Public Library Personnel | Small group instruction Individualized coaching |
| | Training in cloud-based applications | Faculty Staff Administrators | Small group instruction BOCES trainers Individualized coaching Teacher turnkey trainings |

| | | |
|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------|
| 2. Title and FTE count of all staff whose primary responsibility is technology integration training and support for teachers | TITLE | Current FTE Count |
| | Director of Technology | 1.0 |
| | Director of PTech Program | 1.0 |
| | CSLO Instructional Software Staff Development | 6 on-site days per year |

G. TECHNOLOGY INVESTMENT PLAN

| | | | | | |
|------------------------------------------------------------------------------------------------------|---|---------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------------------------------|
| 1. Top five planned instructional technology investments in priority order over the next three years | | Anticipated Item or Service Drop Down Menu | Estimated Cost | Is Cost One-Time or Annual? | Potential Funding Source |
| | 1 | Wi-Fi Upgrade | \$375.00 | One-Time | E-Rate SMART Bond |
| | 2 | Desktop Replacements | \$35,000 | Annual | BOCES, state-aided hardware / software |
| | 3 | Laptop Replacements / Additions | \$40,000 | Annual | BOCES, state-aided hardware / software, grants, Smart Schools Bond Act |
| | 4 | Professional Development | \$9,000 | Annual | BOCES Grants |
| | 5 | Other (PTech 9-14 College and Career Academy) | \$200,000 | One-Time | SMART Bond Capital Project |

2. Specify if "other" was selected PTech facility -



H. STATUS OF TECHNOLOGY INITIATIVES AND COMMUNITY CONNECTIVITY

| | | |
|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Developments, since last technology plan, that affect the current status of the technology initiatives | Developments Affecting Current Status of Technology Initiatives | |
| | | Changes in district enrollment |
| | ✓ | Changes in staffing |
| | | Changes in funding |
| | | Technology plan implementation |
| | | Computer-based testing |
| | | Catastrophic events |
| | ✓ | Developments in technology |
| | ✓ | Changes in legislation |
| | | Other |
| | None | |
| 2. How the district plans to increase student and teacher access to technology in school, at home, and in the community | SMART Schools Commission Keys To Success | Plans to Increase Student and Teacher Access to Technology in School, at Home, and in the Community |
| | Online Learning | To expand online learning to allow for students to access content and projects outside of the school day anywhere, anytime by adopting a cloud-based solution for both staff and students. |



| | | |
|--|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Transformative Technologies | To increase availability of transformative technologies so that students will be able to advance at their own pace by purchasing additional laptops for use at both the elementary and secondary levels |
| | Connectivity Between Schools | To increase wireless capability to serve every student without interruption of service by increasing number of access points and by upgrading the network to a new standard and multi-user MIMO |
| | Connectivity Outside of Schools | To extend accessibility of software and other digital resources to the public library and other community agencies |
| | Professional Development | To provide high-quality, continuous professional development to teachers, principals, and staff to ensure successful integration of 21st century learning and STEM skills into all teaching and curriculum |
| | 21 st Century Learning and STEM Skills | To ensure all students graduate with skills needed for success in the 21st century workplace by revising curriculum to include mastery of technology skills around digital citizenship and productivity |

| | | |
|--------------------------------------------------------------------------------------------------------------------|---|-------------------------------------------------------------------------------------------------|
| 3. All locations where Wi-Fi service is available to students within the school district's geographical boundaries | | Locations Where Wi-Fi Service is Available Within the School District's Geographical Boundaries |
| | ✓ | School |
| | ✓ | Home |
| | ✓ | Community |
| | | None |

| | | |
|--------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------------------------------|
| 3a. Categories of Wi-Fi locations within the community | Categories of Available Wi-Fi Locations Within the Community | |
| | | Public library |
| | | Local Businesses (Tim Hortons's, etc.) |
| | | Local Colleges - Jamestown Community College (JCC) – Dunkirk Campus, SUNY Fredonia |



I. INSTRUCTIONAL TECHNOLOGY PLAN IMPLEMENTATION

| 1. Timeline and major milestones for the implementation of the technology plan plus action plan to integrate technology into curriculum and instruction to improve student learning | Key to Success | Estimated Timeline | Actions | Desired Outcomes |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Expansion of Online Learning | 2015-16 SY | Completion of Common Core lessons video library | By June 2018 all students will have access anywhere, anytime to course content and documents created during the school day |
| | Expansion of Online Learning | 2016-17 SY | Completion of resource toolkit housed on district web page | By June 2018 all students will have access anywhere, anytime to course content and documents created during the school day |
| | Expansion of Online Learning | 2017-18 SY | Adoption of cloud-based solution for students and staff | By June 2018 all students will have access anywhere, anytime to course content and documents created during the school day |
| | Use of Transformative Technologies | 2015-18 | Purchase of laptops each year to increase capacity for computer-based testing in each of the six buildings | By June 2018 all students, including those with disabilities and ELLs will have access to transformative technologies (laptops) in their classrooms throughout the school day |
| | Connectivity Between Schools | 2015-18 | Network upgrade to new standard and multi-user MIMO | By June 2018 all students, including those with disabilities and ELLs, will be able to |



| | | | |
|-------------------------------------------------------------|------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | utilize transformative technologies at all times throughout the school day without interruption of service |
| Connectivity Outside of Schools | 2016-17 SY | Extension of several licenses for specific software packages to include availability at public library | By June 2017 all students, including those with disabilities and ELLs, will have off-campus access to specific software applications |
| Connectivity Outside of Schools | 2017-18 SY | Connection with community members around Marauder News broadcasts | By June 2018 high school students will be able to use Marauder News studio for morning news broadcasts and evening programming for the community |
| Provision of High-Quality Professional Development | 2016-18 | Development of series of technology integration workshops for staff | By June 2018 all staff will have attended at least one technology integration workshop |
| Provision of High-Quality Professional Development | 2016-18 | Development of protocol for having teachers trained in preparation for MOS certification | By June 2018 a minimum of 2 teachers From the elementary level, 2 teachers From the middle school level, and 2 teachers from the high school level will be MOS (Microsoft Office Specialist) certified |
| Provision of High-Quality Professional Development | 2016-18 | Development of digital citizenship training module | By June 2018 100% of staff will be trained In digital citizenship |
| Provision of High-Quality Professional Development | 2016-18 | Development of training protocol for staff working with students requiring assistive technologies | By June 2017 all staff working with students with disabilities will have received formalized training in assistive technologies |
| Focus on Student Acquisition of 21s Century Learning Skills | 2016-18 | Adoption of digital portfolio platform for all students | By June 2018 all graduating seniors will have access to a digital portfolio |
| Focus on Student Acquisition of 21s Century Learning Skills | 2016-18 | Adoption of MOS certification into the curriculum | By June 2018 10% of graduating seniors will have MOS certification by the time they graduate |



| | | | | |
|--|-------------------------------------------------------------|---------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| | Focus on Student Acquisition of 21s Century Learning Skills | 2016-18 | Adoption of formalized instruction in productivity software for all students into the curriculum | By June 2018 all students will graduate having received formalized instruction\ in productivity software |
| | Focus on Student Acquisition of 21s Century Learning Skills | 2016-17 | Continuation of building project | By December 2017 School #6 will be Renovated and transformed into a PTECH 9-14 college and career academy |

J. MONITORING AND EVALUATION

| 1. Description of the proposed strategies that the district will use to evaluate, at least twice a year, the effectiveness of the implementation of the district's instructional technology plan to improve teaching and learning | Dates | Actions | Desired Outcomes |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| | November 2016 | Technology Plan Committee agenda items: Review plan and available data around status of implementation Chart progress Revise plan accordingly | Report on current progress of plan List of documented revisions, based on data List of next steps Date for next meeting |
| | February 2017 | Technology Plan Committee agenda items: Review plan and available data around status of implementation Chart progress Revise plan accordingly | Report on current progress of plan List of documented revisions, based on data List of next steps Date for next meeting |
| | June 2017 | Technology Plan Committee agenda items: Review plan and available data around status of implementation Chart progress | Report on current progress of plan List of documented revisions, based on data List of next steps Date for next meeting |



| | | |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Revise plan accordingly Make revisions for the 2017-18 school year | |
| November 2017 | Technology Plan Committee agenda items: Review plan and available data around status of implementation Chart progress Revise plan accordingly Make revisions for the 2017-18 school year | Report on current progress of plan A list of documented revisions, based on data A list of next steps Date for next meeting |
| February 2018 | Technology Plan Committee agenda items: Review plan and available data around status of implementation Chart progress Revise plan accordingly Begin development of new plan for the 2018-21 cycle | Report on current progress of plan A list of documented revisions, based on data Draft of new plan for 2018-21 cycle Date set for next meeting |
| June 2018 | Technology Plan Committee agenda items: Complete plan for 2018-21 cycle | Completed plan for 2018-21 cycle |

| 2. Policy information | Policy | Date of Public Forum (if applicable) | URL | Year Policy Adopted |
|-----------------------|-------------------------------------------------------|--------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------|
| | Acceptable Use Policy (AUP) | | http://www.dunkirkcsd.org/domain/670 | 2013 |
| | Internet Safety / Cyberbullying | June 13, 2013 | http://www.dunkirkcsd.org/domain/670 | 2013 |
| | Parent's Bill of Rights for Data Privacy and Security | | http://www.dunkirkcsd.org/domain/670 | Posted on Website 9/14/2014 |
| | Social Media Policy | | | Not yet developed |

3. Written procedures in place to ensure cybersecurity Waiting for SED guidance to be developed