

**NJ Department of Education  
District/Nonpublic School/ Charter School  
Three-Year Educational Technology Plan Checklist**

To comply with the E-Rate program, complete the components associated with the unshaded boxes in the REQ'D BY E-RATE column. Completion of other components are recommended but not required. Submission procedures found here: [Three-Year Educational Technology Plan Checklist Submission Procedure: 2013-2016](#)

This Document in: PDF | [Microsoft Word](#)

**DIRECTIONS:** Place a check  in the unshaded **COMPLETED** column when the **TASK** has been completed.

TASK	Completed	
	Req'd by E-Rate	Not req'd E-Rate
<p><b>DATE:</b> Provide your educational technology plan's creation date (the date when the technology plan first contained all of the required elements in sufficient detail to support the products and services requested on the Form 470). (<a href="http://www.usac.org/sl/applicants/step01/default.aspx">http://www.usac.org/sl/applicants/step01/default.aspx</a>)</p> <p><b>Tech Plan creation date:</b> March 21, 2013 _____</p>		

**DIRECTIONS:**

- Answers to questions regarding e-rate compliance: [http://www.usac.org/res/documents/sl/pdf/handouts/TechPlan\\_QuestionsToConsider.pdf](http://www.usac.org/res/documents/sl/pdf/handouts/TechPlan_QuestionsToConsider.pdf)
- Address the numbered items below in a separate District/Nonpublic School/Charter School educational technology plan document.
- Indicate in the *PAGE #* column, the page number where the corresponding information is found.
- For purposes of this document, “educators” are defined as school staff who teach children, including librarians and media specialists.
- Sample table templates are provided (see links embedded in this document) to assist in the development of the educational technology plan. Please use these table templates unless information is already in a digital form.

	Indicate in the unshaded spaces the page number where the corresponding information is found	
<a href="#">Inventory Sample Table</a>	Req'd by E-Rate	Not req'd by E-Rate
<p><b>TECHNOLOGY INVENTORY:</b></p> <p>1. Describe the technology inventory <u>needed to improve</u> student academic achievement in the 2013-2014 school year that informs the basis for the Form 470. Include in the description the internal connections and basic maintenance <i>for 12 months of the e-rate funded year</i>, such as the following areas:</p> <ol style="list-style-type: none"> <li>Technology equipment including assistive technologies</li> <li>Networking capacity</li> <li>Filtering method</li> <li>Software used for curricular support and filtering</li> <li>Technology maintenance and support</li> <li>Telecommunications equipment and services</li> <li>Other services</li> </ol> <p><b>NOTE:</b> If this plan is intended to be used for three years of E-Rate funding, provide anticipated inventory information for all three years. See Inventory Sample Table. Definitions of items eligible for e-rate discounts: <a href="http://www.usac.org/sl/applicants/beforeyoubegin/eligible-services/default.aspx">http://www.usac.org/sl/applicants/beforeyoubegin/eligible-services/default.aspx</a></p>		6-9
<p><b>NEEDS ASSESSMENT:</b></p> <p>2. Describe the needs assessment process that was used to identify the necessary telecommunication services, hardware, software, and other services to improve education.</p>		10

	Indicate in the unshaded spaces the page number where the corresponding information is found	
	Req'd by E-Rate	Not req'd by E-Rate
<b>THREE-YEAR GOALS:</b> 3. List clear goals for 2013-2016 that address district needs. There must be strong connections between the proposed physical infrastructure (bandwidth, cabling, electrical systems, networks) and goals. Include goals for using telecommunications and technology that support 21 <sup>st</sup> century learning communities. E-Rate requirements: <a href="http://www.ecfr.gov">www.ecfr.gov</a>		11
<b>THREE-YEAR IMPLEMENTATION AND STRATEGIES TABLE:</b> <a href="#">Implementation Activity Sample Table</a> 4. Describe the realistic implementation strategies to improve education. Include in the description the timeline, person responsible and documentation (or evidence) that will prove the activity occurred. Address only 'a' and 'b' below to meet e-rate requirements. Address all areas below to continue planning for a technology-rich learning environment. <ul style="list-style-type: none"> <li>a. telecommunications,</li> <li>b. information technology,</li> <li>c. educational technology (including assistive technologies), and</li> <li>d. student technology readiness in preparation for online testing in 2014-2015.</li> </ul>		12
<b>PROFESSIONAL DEVELOPMENT STRATEGIES:</b> <a href="#">Professional Development Sample Table</a> 5. Professional development strategies should ensure that staff (teachers, school library media personnel and administrators) knows how to effectively use the technologies described in this plan to improve education, and will continue to support identified needs through 2016. <i>Address only 'a' below to meet e-rate requirements. Address all areas below to continue planning for a technology-rich learning environment.</i>  Describe the planned professional development strategies by addressing each of the following questions: <ul style="list-style-type: none"> <li>a) How will ongoing, sustained professional development be provided to all educators, (including administrators) that increases effective use of technology in all learning environments, models 21<sup>st</sup> century skills, and demonstrate learning experiences through global outreach and collaboration in the classroom or library media center?</li> <li>b) What professional development opportunities, resources and support (online or in person) exist for technical staff?</li> <li>c) How will professional development be provided to educators on the application of assistive technologies to support educating all students?</li> </ul>		15
<b>EVALUATION PLAN:</b> <a href="#">Evaluation Plan Sample Table</a> 6. Describe the evaluation process that enables the progress and effectiveness of goals to be monitored.		16
7. Describe the process to make mid-course corrections in response to new developments and opportunities as they arise.		16
<b>FUNDING PLAN (July 2013 – June 2014):</b> <a href="#">Funding Plan Sample Table</a> 8. Provide the anticipated costs for <b>2013-2014</b> by source of funds (federal, state, local and other) and include expenses such as hardware/software, digital curricula including <a href="#">NIMAS</a> compliance, upgrades and other services including print media that will be needed to achieve the goals of this plan. Allow specific provisions for interoperability among components of such technologies to successfully achieve the goals of this plan.		18

# **New Providence School District Three-Year Technology Plan 2013 - 2016**

## **INTRODUCTION**

### **Mission Statement**

In partnership with students, parents, and community, the mission of the New Providence School District is to educate all students to meet high academic standards and to prepare them to be responsible citizens in the dynamic global society of the 21st Century.

### **Demographic**

The New Providence School District is the local educational agency for the Borough of New Providence, located in Union County, New Jersey. The community, which is 3.70 square miles in area, has a population of 11,905. There are two K-6 elementary schools in the district and one middle school (grades seven and eight) sharing a facility with the high school (grades nine through twelve). New Providence High School has been ranked among the top ten public high schools in New Jersey and first in Union County, by both the Star Ledger and New Jersey Monthly Magazine.

### **District Strategic Goals**

The New Providence School District also identified five-year strategic planning goals in March of 2010 that are aligned with the district mission and set the stage for district technology planning. These goals are:

1. Develop new and modify existing educational programs that foster the development of 21<sup>st</sup> century creative thinking, communication, and problem solving skills while supporting the social and emotional growth of students.
2. Ensure that assessment tools are aligned with curriculum and properly monitor and evaluate the progress and achievement of students.
3. Ensure that all students and teachers have access to and training in the latest in effective technologies to be used as tools to foster the District's educational goals.
4. Maintain existing and develop new alternative revenue sources to assist with budgeting constraints and alleviate the local property tax burden through partnerships with private, business and corporate entities.
5. Review all district operations for potential efficiencies and explore further shared services opportunities with other school districts and governmental entities.

6. Ensure that all educational facilities are designed to foster learning in a safe and healthy environment that reflects and supports the 21<sup>st</sup> century learning culture.
7. Use information systems to promote achievement, communicate with the public and facilitate parent/teacher communication in a comprehensive and cost effective manner.
8. Review programs and services to Special Education students to ensure provision in the least restrictive environment.

### **Technology Plan Objectives**

The New Providence District Technology Plan 2013-2016 was developed in an effort to support the aforementioned mission and strategic directions already in place, to continue the progress of current technology goals, and to prepare a plan for future goals in technology. It is based on a review of national research on technology and student learning, district needs assessment surveys, teacher and administration participation in technology training, classroom observations, and feedback meetings with the district technology committees and technology department staff. Consideration is also given to emerging trends in technology, evidence from ongoing pilots in our schools using mobile technology, and continuous efforts to prepare graduates for college and career in the 21<sup>st</sup> century. In addition, the technology plans for 2013-2016 will focus on the preparing district technology and infrastructure for the transition to Common Core Standards and the PARCC assessment, which is scheduled for implementation in 2014-2015.

To support the district mission and work towards the district's strategic goals, the following objectives will be incorporated into future technology plans:

- Provide teachers and students with engaging and empowering 21<sup>st</sup> century learning experiences that include access to, and instruction on existing and emerging technologies such as mobilize devices that allow for interdisciplinary, inquiry-based and personalized learning.
- Align current curriculum to Common Core and address the need for information, media and technology literacy skills and provide access to digital content, such as eBooks, digital resources, eTextbooks, and instructional apps.
- Use a systematic method to provide professional development for teachers and staff to improve productivity and keep them up to date in emerging technology tools.
- Establish a solid infrastructure, including wireless access, maintain a safe internet environment, prepare for online district and state assessments, and provide increased access to assistive technology.

The district technology plan is reviewed yearly and updated as is necessary for the purposes of incorporating new ideas, methods, technology, goals, and assessments. New data, the constant change in technology, and fiscal planning will result in refocusing and redirection of the Plan.

The 2013-2016 Technology Plan includes:

- Technology Inventory 2013-2014
- Needs Assessment
- Technology Goals for 2013-2016
- Implementation Plan
- Professional Development
- Evaluation
- Funding Plan

## **I. Technology Inventory**

The following is an inventory of current & future technology equipment, networking equipment and telecommunications equipment that is needed to maintain and improve student academic achievement in the district. This plan is not being used for any of the next three years of E-rate funding since we only apply for Priority 1 services. We are not eligible for and do not apply for Priority 2 services. Included in the inventory are the following:

- a) Technology equipment including assistive technologies
- b) Networking capacity
- c) Filtering method
- d) Software used for curricular support and filtering
- e) Technology maintenance and support
- f) Telecommunications equipment and services
- g) Other services

### a) Technology Equipment

Currently, 1150 Dell Windows desktop & laptop computers are replaced every five years, but future budget constraints could change this. The 480 iPads in the hands of high school students in the Personal Learning Initiative (PLI) will follow students to the end of their time at New Providence High School. At that time they will be given the option of purchasing the iPad at fair market value. If they choose not to then the iPad will be sold back to Apple. The incoming class of freshman in September 2013 will all receive new iPads. There are an additional 200 iPads in the district in the hands of teachers as well as classroom sets of anywhere from 3 to 12 iPads.

### b) Networking Capacity

Our network is designed to handle wired network traffic at a speed of 2 gigabits per second between buildings and 1 gigabit per second between data closets. VLANs in each building create logical groupings of various devices independent of physical location and reduce broadcast traffic.

An 802.11a/b/g/n Wi-Fi network has been deployed in all district buildings. In the HSMS building an Access Point is dedicated to each classroom. Based on current & future online testing requirements, the 2.4 GHz spectrum will be eliminated in areas where online testing will take place. This is necessary because Bluetooth keyboards are currently required to be used with iPads for online testing. At AWR & SB schools a single

Access Point is dedicated to every 2 classrooms. During the summer of 2014 upgrades will be made to accommodate online testing requirements.

c) Filtering Method

All staff & student internet access is filtered when the districts wired or wireless network is being used. When the districts wired or wireless network is not being used (3G,4G, wifi hotspots, home networks) we do not filter internet content. In the future systems may be put in place to filter Personal Learning Initiative devices when used outside the district.

d) Software used for curricular support and filtering

The Technology Department will continue to provide a safe and secure setting for each and every student & staff member by applying content filtering rules to all Internet activity on our wired and wireless networks. Currently the district is using Bluecoat Webfilter and BrightCloud Webfilter to block malware downloads, phishing sites, web threats and inappropriate content categories and to monitor web traffic. We are in the process of moving to a single platform.

The Technology Department currently supports 1,150 Windows computers district wide which includes 76 laptop carts (consisting of 6 laptops each), 662 iPads, 2 PC Labs and approximately 20-25 computers in each school building's Media Center. Over 100 classrooms are outfitted with SMART Boards. Our desktop & laptop operating system software is Windows XP Professional & Windows 7 Professional. Instructional software on the network complements all subject areas and addresses learners' needs.

Software for curricular support includes, but is not limited to, Google Apps for Education, Microsoft Office, Kidspiration. Inspiration, Adobe Acrobat Professional, Picassa, SMART Board Notebook Software, BrainPOP, KidPix Deluxe, Scholastic Keys, Scratch, Alice, Groovy, Kurzweil 3000, AutoCAD LT, and SketchUp. Changes to curricular software occur on an annual basis as part of the annual "Approved District Software" list.

The value of some of these applications is noted below.

- Google Apps Education Edition provides a suite of hosted communication and collaboration applications. Google Apps includes Gmail (email services), Google Calendar (shared calendaring), and Google Docs (online

document, spreadsheet, presentation, and form creation and sharing), as well as administrative tools, customer support, and access to APIs (application programming interface) to integrate Google Apps with existing IT systems. Students will log in to a district protected Google environment to access their files, to communicate and collaborate more efficiently and effectively with their teachers and classmates. Google Apps document creation tools offer real-time editing, powerful sharing controls, and seamless compatibility for learning in the 21st century. Google Apps also allows for less time spent managing district IT infrastructure, eliminating the need to buy or maintain servers for data storage.

- Kidspiration/Inspiration is a tool that provides an easy way to apply the proven principles of visual learning. Students build graphic organizers by combining pictures, text and spoken words to represent thoughts and information. This also allows for our students to develop early literacy skills, and more advanced students improve comprehension skills and better organize ideas for writing.
- Adobe Acrobat Professional provides tools for merging various file types into .pdf files and creating forms. It also makes it possible for web pages to be printed directly to a .pdf file.
- Smart Board Notebook software provides a toolkit to teachers and students to maximize the educational benefits of the SMART Board.
- Online video conferences are currently in one of our two elementary schools to give students the chance to learn from experts and work with mentors in various fields. This will expand to other buildings as funding becomes available.

#### e) Technology maintenance & support

1) Technology maintenance & support requires a team dedicated to the support and maintenance of the hardware & software infrastructure that makes up the physical network and the services it provides. This includes physical wiring, switches, servers, Active Directory, various appliances, firewalls, Internet access, email, content filters, software distribution, endpoint protection, Google Apps for Education, etc... Currently the district has two full-time positions, "Manager of Information Systems" and "PC Network Specialist" that make up this team. A third member of this team may be hired in the next few years.

2) Technology maintenance & support requires a team dedicated to the support of the technology devices, applications and services used by staff and students in the district. This includes Windows desktops and laptops, peripherals, projectors, Smartboards, Hovercams, scanners, printers, classroom audio equipment, iPads, Google Apps for Education, Microsoft Office and other applications, teacher and staff training, etc... Currently the district has eight full-time positions that spend some time on this team in addition to other

responsibilities. These positions include: Manager of Information Systems, PC Network Specialist, Technology Specialist at Salt Brook, Technology Specialist at Allen W Roberts, Technology Specialist at HSMS, 2 Media Specialists in the high school / middle school Media Center, one member of the maintenance department. An additional half-time Technology Specialist position is being added for the 2013-2014 school year in the HSMS building.

2) Technology maintenance & support includes maintenance & support agreements with the manufacturers and service providers of equipment, software, and services that are critical to maintaining a stable network.

3) Technology maintenance & support includes using technology consultants as needed.

4) Technology maintenance & support includes replacing critical devices that have reached End of Life. End of Life is defined as an end of support for the product from the manufacturer. For some critical devices it is more cost effective and efficient to maintain a spare on the shelf in event of a device failure. This applies to Dell switches in the district.

#### f) Telecommunications equipment and services

Each building has an independent phone system with voicemail for staff. Out of the four systems, two are Avaya Merlin Magix and two are Nortel Norstar. An upgrade to a single vendor system is planned for the future when the budget allows. The new system will leverage our fiber WAN and allow 4-digit dialing between buildings, thus eliminating the need for using the public switched telephone network (PSTN) for calls between buildings. The number of phone lines in the district will also be reduced at that time since all calls will be routed out T1 lines at the HSMS building or the BOED Office. Alarm lines will still require the use of POTS lines in all schools.

## II. Needs Assessment

The following strategies and data were used to evaluate our progress to date in the area of the use of technology:

- Professional Development Technology Survey – A yearly survey was administered to all certified staff.
- Telecommunications Survey – Periodic surveys to evaluate effectiveness of communications systems was administered to all district staff.
- Administrator Meetings – Administrators regularly examine and assess the effective use of technology in their respective buildings and report on the effectiveness of technology tools in the classroom, as well as technology tools for staff productivity, and communication and student information tools with students and parents.
- Student Survey – A survey was administered to middle school and high school students to evaluate the use of mobile devices during an iPad pilot program.
- Student Assessments – The district utilizes assessment to evaluate Technology Literacy Skills through national standards-based instruments for Grades 4 and 8.
- Literature Review – Curriculum Council monthly meetings attended by district department heads and administrators examine current research and future technology trends. Anecdotal evidence is also provided on the effectiveness of technology in both classrooms Pre-K through 12, and in district departments.
- Observations – Administrators regularly observe and report of the use of technology and 21<sup>st</sup> century skills in the classrooms.
- Site Visits – Visits to districts that are pioneering mobile learning programs and or BYOD plans.
- Technology Committee Meetings – Technology Committee members serve in an advisory role to district administration by providing technical and professional advice on the full range of information technology directions, strategies, policies, plans, priorities, and needs vital to sustaining cost-effectiveness, excellence, and high-quality technology tools for instructional programs and administrative tasks.
- Technology and Information Services Department Meetings – Department members that include district Media Specialists, Technology Integration Specialists, Manager of Information Services, and Network Engineer, meet monthly to evaluate current district-wide technology tools and services.

### **III. Three-Year Goals**

#### **History: Goals and Objectives for 2010-2013**

**Goal I (2010-2013):** Continue the district's existing professional development structures that provide training of current and emerging technologies, including 21<sup>st</sup> Century skills and knowledge, and integrate those technologies into the classroom to prepare individual students to be responsible citizens in the dynamic global society of the 21st Century.

**Support for Continuation:** Teachers are critical to the success of any digital learning program. Within the district's professional development program and the district Phase initiative, teachers have benefited from the technology training. The district will continue to identify the tools and content needed for instruction, and the district will provide the types of training they will need to support their teaching and students' learning.

**Goal II (2010-2013):** The district will to strive to increase access to communication tools and digital information for students, teachers and administrators, both in our schools and in the community, and promote 21st Century skills, including Internet safety practices.

**Support for Continuation:** The district will continue to provide students with the tools and digital information skills to be competitive in a technology-driven global marketplace and to be responsible digital citizens.

**Goal III (2010-2013):** The district will continue to maintain the technology infrastructure and technology tools for management, communication, and successful technology integration into classroom instruction.

**Support for Continuation:** The district will continue to support current and new methods to increase productivity and efficiency both in instructional programs and administrative computing. and to develop an infrastructure capable of supporting the demands of the new state online testing requirements that begin in the 2014-15 school year. Part of this challenge is providing adequate staffing and financial resources to maintain the needed communications networks and technical support.

#### **Goals and Objectives for 2013-2016**

**Goal I (2013-2016):** Continue the district's existing professional development structures that provide training of current and emerging technologies, including 21<sup>st</sup> Century skills and knowledge, and integrate those technologies into the classroom.

**Goal II (2013-2016):** The district will to strive to increase access to communication tools and digital information for students, teachers and administrators, both in our schools and in the community, and promote 21st Century skills, including Digital Citizenship.

**Goal III (2013-2016):** The district will continue to maintain the technology infrastructure and technology tools for management, communication, and successful technology integration into classroom instruction.

#### IV. Three-Year Implementation Goals and Strategies

**Three-Year Implementation and Strategies Table (July 2013-June 2016)**

<b>Three-Year Technology Implementation Activity Table</b>				
<b>District Goal and Objective</b>	<b>Strategy/Activity</b>	<b>Timeline</b>	<b>Person Responsible</b>	<b>Documentation</b>
Goal I – Professional Development	Technology workshops: Professional Development days	2013 - ongoing	Chair: Professional Development Committee/ Director: Curriculum, Instruction, and Supervision	Schedule of Professional Development Day activities and rosters
	District-provided technology workshops	2013 - ongoing	Technology Staff/ Director: Curriculum, Instruction, and Supervision	District workshop schedule
	Technology mini-workshops provided during district meetings	2013 - ongoing	Department Heads and Administrators	Agendas and summaries of grade level and content area meetings
	Assessment of teacher technological proficiency	2013 - ongoing	District Administration	Observations
	Technology Literacy Surveys for teachers	2013 – ongoing	Department Head of Interdisciplinary Technology	Results of surveys
	Increase training for teachers to enhance mobile device technology knowledge and skills	2013 - ongoing	District Administration/ Department Head of Technology/ Technology Staff	District WebPages, Web 2.0 Applications
	Increase training for teachers to integrate assistive technologies as appropriate	2013 - ongoing	District Administration/ Department Head of Technology/ Technology Staff	Agendas and summaries of grade level and content area meetings, workshop schedules
	Evaluate the implementation of hardware and software appropriate	2013 - ongoing	Department Head of Interdisciplinary	Report to Board of Education

	to support high levels of student achievement		Technology	
	Continue to support UBD/technology-based curriculum format	2013 – ongoing	Director: Curriculum, Instruction, and Supervision	Unit plan curriculum format
	Provide increased opportunities for teachers to learn effective ways to integrate 21 <sup>st</sup> Century tools into the classroom	2013 - ongoing	Chair: Professional Development Committee/ Director: Curriculum, Instruction, and Supervision	District workshop schedule, reports of grade level content area meetings
Goal II – Provide students with increased access to 21 <sup>st</sup> Century Tools	Provide increased remote access to school digital resources outside of school hours	2013 - ongoing	District Administration/ Department Head of Technology/ Technology Staff	Records of classroom accessibility
	Provide 21 <sup>st</sup> Century tools for students	2013 - ongoing	Director: Curriculum, Instruction, and Supervision/ Technology Staff	Records of classroom accessibility
	Assessment of student technological proficiencies in grade 8 to meet NCLB requirement	2013 - ongoing	District Administration/ Department Head of Technology	Online Assessment Data
	Increase opportunities for students to use mobile device technology tools	2013 - ongoing	District Administration/ Technology Staff	District WebPages, Web 2.0 Applications
	Increase access to digital content (eBooks, digital resources, eTextbooks, and instructional apps	2013 - ongoing	Director: Curriculum, Instruction, and Supervision/ Technology Staff	District WebPages
	Continue instruction in Digital Citizenship	2013 - ongoing	District Administration/ Department Head of Technology/ Technology Staff	Observations
	Assess student understanding of Internet safety practices	2013 - ongoing	Department Head of Technology/ Technology Staff	Assessment Data
	Revise district Policies to address 21 <sup>st</sup> Century skills as appropriate	Yearly	District Administration/ Department Head of Technology/ Technology Staff	AUP and Internet Safety Policy documents
Goal III – Maintain Technology Resources	Assessment hardware and software technology needs for continuation of effective integration	Yearly	Department Head of Interdisciplinary Technology	Results of survey
	Purchase of additional equipment to improve accessibility of technology to students and staff as funds permit	2013 - ongoing	Department Head of Interdisciplinary Technology/ Manager of Information Systems	Technology records
	NPSD will provide support for ongoing technical training	2013 - ongoing	Department Head of Interdisciplinary Technology/ Technology	Technical Support Logs

			Staff	
	Continue to have the Technology Committee to serve as advisors for technology direction, strategies, and prioritizing district technology needs	2013 - ongoing	Technology Committee Members include: Business Administrator/ Board Secretary/ Director of Curriculum, Instruction, and Supervision/ Technology Staff	Technology Committee Agendas and Minutes
	Continue to have the Technology Committee develop and balance IT solutions to meet district needs	2013 - ongoing	Technology Committee Members include: Business Administrator / Board Secretary/ Director of Curriculum, Instruction, and Supervision/ Technology Staff	Technology Committee Agendas and Minutes
	Continue to have the Technology Committee to bring emerging technology to the attention of administrators and other district constituent groups for review	2013 - ongoing	Technology Committee Members include: Business Administrator / Board Secretary/ Director of Curriculum, Instruction, and Supervision/ Technology Staff	Technology Committee Agendas and Minutes

## **V. Professional Development Strategies**

Professional development strategies should ensure that teachers, school library media personnel and administrators know how to effectively use the technologies described in this plan to improve education, and should support identified needs through 2016.

In reviewing the results from the information provided by our varied assessment tools and our district goals, and realizing the impact of recent changes in global politics, economics, technology, and multi-cultural influences, we realize that we must empower our students to take the responsibility for their learning. Also, we know we have the responsibility to plan their education to provide them with the best chance for success through a quality educational program. With this in mind, district administrators, teacher school library personnel need to know how effectively to use current and future technology tools and resources. Members of the Professional Development Committee and district department heads have determined the following professional development strategies for 2013-2016:

- Continue to explore and implement the varied strategies that will support effective differentiation of instruction including effective integration of technology, performance tasks, collaborative learning, and questioning strategies that will lead to higher levels of thinking.
- Continue to promote 21<sup>st</sup> Century Skills in the classroom including global awareness, civic literacy, health literacy, and financial, economic, business and entrepreneurial literacy, information literacy, and technology and communication skills into core subjects.
- Take steps to ensure district curricula are aligned and district stakeholders are ready for PARCC. Additionally, each department has taken steps to transition to new timelines and requirements. Our curriculum model integrates strong knowledge and skills within a performance-based environment which ensures students are acquiring 21<sup>st</sup> Century Skills and will be prepared for the mid-year PARCC assessment.
- Using the updated district website and varied publications, the district has worked towards strengthening the home-school relationships by enhancing strategies for successful communication and partnership with parents and guardians.
- Examine and evaluate mobile tablet technology, its integration into our instructional model and the results of student engagement and achievement.
- Through ongoing assessment and evaluation, provide the professional development to help teachers acquire technology knowledge and skills necessary to meet the learning needs of our digitally native students, and help teachers understand and implement emerging technology trends and available online resources.

## Evaluation Plan

The New Providence School District will regularly evaluate this plan to assess the progress and effectiveness of technology in the following ways:

**Goal I:** Assess professional development training for teachers and staff of current and emerging technologies, including 21<sup>st</sup> Century skills and knowledge, and assess the effectiveness of technologies in the classroom.

The goal will be assessed by:

- scheduled review of teachers' unit/lesson plans
- review of new and revised curriculum
- classroom observations of teachers
- artifacts of student progress
- student assessment of technology skills
- rubrics provided by district ICT Literacy Guide

**Goal II:** Assess communication tools and digital information for students, teachers and administrators, both in our schools and in the community.

The goal will be assessed by:

- observing students' proficiency with technology tools
- observing students' proficiency in accessing digital content
- evaluating the quality of the final technology products and projects
- collecting examples of students' self-evaluation and reflection on process and product
- student assessment of technology skills

**Goal III:** Assess the technology infrastructure and technology tools for management, communication, and successful technology integration into classroom instruction.

- Review technology needs with building principals, media staff, coordinators –provide guidelines for and encourage school-based technology committees to support an ongoing review.
- Review staffing needs as Wi-Fi, need for greater technology integration, mobile computing and online state assessment are implemented.

- Evaluate the use of filters to provide more access to critical web tools.
- Continually evaluate and review Wi-Fi, bandwidth capacity and speed of connectivity to support addition of laptops and mobile devices.
- Survey stakeholders (administrators, teachers, non-certificated staff, students, and parents) in order to improve district communications.

**VIII. Funding Plan** (July 2013 – June 2014)

In the table below, the anticipated costs for 2013-2014 by source of funds (federal, state, local and other) are provided.

<b>Three-Year Educational Technology Plan Anticipated Funding Table (2013-2014)</b>		
<b>ITEM</b>	<b>DESCRIPTION OF ITEM TO BE PURCHASED</b>	<b>LOCAL FUNDING</b>
Digital curricula (see <a href="#">NIMAS</a> )		
Print media needed to achieve goals		
Technology Equipment	Laptop & desktop refresh PLI iPad leases	\$120,880.00 \$156,097.00
Network		
Capacity	ISP fees, FIOS: 300Mb/65Mb, Comcast: 100Mb/10Mb	\$700/month
Filtering	Included in Maintenance	
Software	Included in Maintenance	
Maintenance	M&S contracts for critical services, hardware and software systems	\$100,476.00
Upgrades		
Policy and Plans		
Other services		
Further Explanation:		