


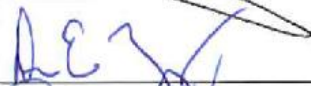


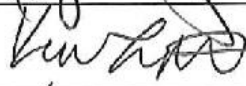
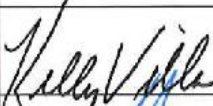


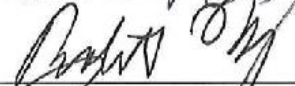


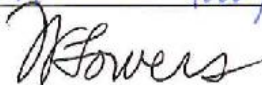
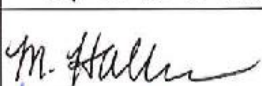
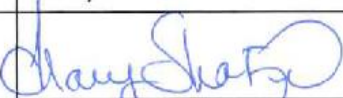
**JEFFERSON TOWNSHIP PUBLIC SCHOOLS**

MORRIS COUNTY

DISTRICT TECHNOLOGY PLAN

2016-2019

*June 20, 2016 BOE ADOPTED*

| Stakeholder Table                      |                     |   |
|--|---------------------|---|
| Title                                  | Name                | Signature   |
| Superintendent                         | Dr. Patrick Tierney |    |
| Business Administrator                 | Dora Zeno           |    |
| Assistant Superintendent               | Jeanne Howe         |    |
| Director of Student Services           | Margaret Widgren    |    |
| Middle School Principal                | Kevin Lipton        |    |
| Supervisor of Instructional Technology | Kelly Villa         |    |
| Supervisor of Special Education        | Scott Rebholz       |    |
| Supervisor of Social Studies           | Dan Papa            |    |
| Technology Coordinator                 | Robert Fleming      |   |
| Network Administrator                  | Rich Gherardi       |  |
| Reading Specialist                     | Michelle Haupt      |  |
| Library Media Specialist               | Wendy Towers        |  |
| Teacher                                | Meghan Hallock      |  |
| Parent                                 | Tracy Shatzel       |  |

## I. District Information

Jefferson Township is located in the northwest corner of Morris County, New Jersey. The community, which is 43 square miles in area, has a population of 19,717. Jefferson Township Public Schools serve the communities of Lake Hopatcong, Lake Shawnee, Oak Ridge, and Milton. The Jefferson Township Public School District currently provides education for 3,226 students in seven schools from pre-school through high school. The district configuration includes one high school (grades 9-12), one middle school (grades 6-8), two elementary schools for grades three to five, one elementary school for grades first to second, one elementary school for grades kindergarten to second, one elementary school for pre-kindergarten to kindergarten, and a central office.

The Jefferson Township School District acknowledges its responsibility to deploy technology across all subject areas and grade levels, to align to the instructional goals and objectives of the New Jersey Student Learning Standards (NJSLS) and to commit to preparing the students to utilize technology in solving real-world problems as informed and productive members of a global society.

<http://www.jefftwp.org/district/district.shtml>

## II. Vision

The Jefferson Township School District acknowledges its responsibility to deploy technology across all subject areas and grade levels, to align to the instructional goals and objectives of the New Jersey Student Learning Standards and to commit to preparing the students to utilize technology in solving real-world problems as informed and productive members of a global society.

In order to prepare our students for their future world, a world of constant change, the district developed a long-range technology plan. It will continue to foster technology rich learning environments in which our investment in technology and training is equal to our students' educational needs, supports our curriculum, and prepares our students to be knowledgeable and productive users of technology. Each of the identified goals for technology is interdependent and requires faculty/administrative, student and community support in order to be successful.

- Prioritized access to technology in order to improve student learning.
- Train students and staff in the practical application of technology.
- Offer access to an array of resources as well as time.

### III. Philosophy

Technology at Jefferson Township strives to support the curricular and administrative needs of the Schools and to enable students to employ technology and new learning paradigms in order to enhance and advance their educational experiences during their years in Jefferson.

Jefferson Township School District will continue to maintain the technology infrastructure and technology tools for management, communication, and successful technology integration into classroom instruction. The district will strive to increase access to communication tools and digital information for students, teachers and administrators, both in our schools and in the community to promote 21<sup>st</sup> century skills. The district will ensure that educators will attain the skills and knowledge necessary to effectively use educational technology to assist students to meet NJSLs, develop higher order thinking skills, foster 21<sup>st</sup> Century Skills, and positively impacting student learning.

The Jefferson Township School District provides access to desktops, wireless laptops, iPads, interactive whiteboards, and a variety of software, Internet and online databases. The purpose of providing technology resources is to promote the integration of technology into the classroom to allow for the students to use critical thinking skills, collaboration techniques, and exercise their creativity.

The student is responsible for appropriate behavior while using technology-related resources. During school, teachers of younger students will monitor activities while online for appropriateness and instructional relevance while the older students will have more responsibility for locating appropriate materials. Access to technology is given only to students who agree to act in a respectful and responsible manner as well as the student's guardian has given permission.

### IV. Needs Assessment

Many of our faculty members have been successful in utilizing technology as an instructional tool to engage students, differentiate instruction and provide alternative assessments. For technology to be fully integrated into the curriculum, all needs must be addressed.

The Supervisor of Instructional Technology works with faculty members K-12 to assess technology use and needs as well as to provide assistance regarding the use and acquisition of technology.

All Jefferson Township teachers are expected to integrate technology into all curriculum areas in meaningful ways as appropriate. Currently, teachers have access to desktops and wireless laptops, iPads, interactive whiteboards, a variety of software, Internet and online databases.

A variety of assistive technology is being used throughout the district to increase, maintain, or improve functional capabilities of individuals with disabilities. Through program development and enhancement, a focus on the common understandings of how the infusion of assistive technology can enhance the performance of special education students mainstreamed into the general education curriculum classes should be assessed over the next three years. In redefining the roles for the special and general education teachers along with a collaborative approach with technology staff, teachers will acquire technology skills and bring new techniques to all students in the classroom.

The needs of the faculty members are evaluated formally and informally through classroom observations, walk-throughs, professional learning communities, grade level meetings, workshops, teacher websites, online student information system, surveys and department meetings.

The needs of the students are evaluated in fourth grade and eighth grade through technology assessments. The middle school students are assessed through the computer applications course. Technology projects are embedded into each curriculum area and are assessed throughout the district. The district adopted in 2015, K-2 and 3-5 Technology Curriculum for the elementary schools.

The needs assessment process used to identify the necessary telecommunication services upgrades, hardware upgrades, and software upgrades to improve education is driven by a number of factors compiled by members of the district technology staff, the Supervisor of Instructional Technology, school administration, and input from our faculty and staff.

In part, the decisions we make that have a direct impact on future purchases, upgrades, and planned initiatives are based on Federal and State mandates including digital learning in the classroom and on-line assessment programs. We use an inventory control system and network capacity planning tool to forecast how many computer systems need to be replaced or added, how much bandwidth we will need to and from the Internet, how much network bandwidth will be required internally, and what internal network hardware and software we will need to effectively utilize the systems we plan to have in place.

The goal of our district that needs to be prioritized is access to technology. We must continue to invest in upgrades and new purchases. It is imperative that we provide our students and teachers with the tools they need. Professional development and time follow on the list of priorities. With access to technology and appropriate professional development, we can address the need for more time by taking a creative approach to instruction using these tools.

**Goal # 1: Infrastructure**

**Goal and Identified Need**

The district will continue to maintain the technology infrastructure and technology tools for management, communication, and successful technology integration into classroom instruction.

The district will purchase additional hardware and software as determined necessary to increase the ability of all students to conduct research, solve problems and produce products that demonstrate achievement aligned with the New Jersey Student Learning Standards as well as prepare for online testing (PARCC).

**Strategy to Address Need/Activity/Task/Tactic**

**(Professional learning, resources, persons responsible to ensure completion. Identify timeline to revise and adjust plan)**

- Student, Teacher and Staff workstations will be upgraded with both new hardware and software as funding becomes available over the three year plan.
- Technology Team will ensure completion/Ongoing.
- Purchase of additional equipment to improve accessibility of technology to students.
- Technology Team will ensure completion/Ongoing.
- Evaluate the implementation of hardware and software appropriate to support high levels of student achievement.
- Supervisor of Instructional Technology and Technology Coordinator will ensure completion/Ongoing.
- Maintenance and support to keep the district infrastructure in working order.
- Technology Team will ensure completion/Ongoing.

**Inventory Table – Current**

| <b>Type</b>              | <b>Amount</b> |
|--------------------------|---------------|
| Desktop/Laptop Computers | 2500          |
| Network Servers          | 50            |
| Data Network Switches    | 100           |
| Voice Network Switches   | 25            |
| Firewall Systems         | 2             |
| Email Archive Systems    | 1             |
| Interactive White Boards | 200           |

**Three-Year Educational Technology Plan Inventory Table - Goal**

| Area of Need  | Describe for E-Rate funded year 1<br>2016-2017   | Describe for E-Rate funded year 2<br>2017-2018   | Describe for E-Rate funded year 3<br>2018-2019   |
|---|--|--|--|
| Technology Equipment including assistive technologies | <ul style="list-style-type: none"> <li>● Desktop Computers</li> <li>● Laptops</li> <li>● Tablets</li> <li>● Interactive White Boards</li> <li>● Projectors</li> </ul>  | <ul style="list-style-type: none"> <li>● Desktop Computers</li> <li>● Laptops</li> <li>● Tablets</li> <li>● Interactive White Boards</li> <li>● Projectors</li> </ul>  | <ul style="list-style-type: none"> <li>● Desktop Computers</li> <li>● Laptops</li> <li>● Tablets</li> <li>● Interactive White Boards</li> <li>● Projectors</li> </ul>  |
| Networking Capacity                                   | <ul style="list-style-type: none"> <li>● Upgrade LAN to 10 GB Uplinks District-Wide</li> <li>● Maintain WAN at 1 GB</li> <li>● Maintain Internet at 300 MB</li> <li>● Add redundant Internet access services if needed</li> <li>● Upgrade Wireless Capacity as needed</li> </ul>   | <ul style="list-style-type: none"> <li>● Upgrade LAN to 10 GB Uplinks District-Wide</li> <li>● Maintain WAN at 1 GB</li> <li>● Upgrade Internet between 500 MB to 1GB as needed</li> <li>● Add redundant Internet access services if needed</li> <li>● Upgrade Wireless Capacity as needed</li> </ul>  | <ul style="list-style-type: none"> <li>● Upgrade LAN to 10 GB Uplinks District-Wide</li> <li>● Maintain WAN at 1 GB</li> <li>● Upgrade Internet between 500 MB to 1GB as needed</li> <li>● Add redundant Internet access services if needed</li> <li>● Upgrade Wireless Capacity as needed</li> </ul>  |
| Filtering Method                                      | Dell Sonicwall Content Filtering Service   | Dell Sonicwall Content Filtering Service   | Dell Sonicwall Content Filtering Service   |
| Technical Support and maintenance                     | <p>Maintain available software<br/>Maintain available hardware<br/>maintenance Plans</p> <ul style="list-style-type: none"> <li>● Apple (Software Maintenance)</li> <li>● Library Databases/Software</li> <li>● Anti-virus Software</li> <li>● Network Upgrades Software</li> <li>● Orion Maintenance Renewal</li> <li>● My Conference Time</li> <li>● Schooldays Calendar</li> <li>● AppAssure</li> <li>● Sonic Wall</li> <li>● Aruba Care</li> <li>● Cisco Smartnet</li> <li>● Luxriot/Video Surveillance Maintenance</li> <li>● Vmware &amp; Hyper-V</li> <li>● AirWatch MDM</li> <li>● GAFE / GMail</li> </ul> | <p>Maintain available software<br/>Maintain available hardware<br/>maintenance Plans</p> <ul style="list-style-type: none"> <li>● Apple (Software Maintenance)</li> <li>● Library Databases/Software</li> <li>● Anti-virus Software</li> <li>● Network Upgrades Software</li> <li>● Orion Maintenance Renewal</li> <li>● My Conference Time</li> <li>● Schooldays Calendar</li> <li>● AppAssure</li> <li>● Sonic Wall</li> <li>● Aruba Care</li> <li>● Cisco Smartnet</li> <li>● Luxriot/Video Surveillance Maintenance</li> <li>● Vmware &amp; Hyper-V</li> <li>● AirWatch MDM</li> <li>● GAFE / GMail</li> </ul> | <p>Maintain available software<br/>Maintain available hardware<br/>maintenance Plans</p> <ul style="list-style-type: none"> <li>● Apple (Software Maintenance)</li> <li>● Library Databases/Software</li> <li>● Anti-virus Software</li> <li>● Network Upgrades Software</li> <li>● Orion Maintenance Renewal</li> <li>● My Conference Time</li> <li>● Schooldays Calendar</li> <li>● AppAssure</li> <li>● Sonic Wall</li> <li>● Aruba Care</li> <li>● Cisco Smartnet</li> <li>● Luxriot/Video Surveillance Maintenance</li> <li>● Vmware &amp; Hyper-V</li> <li>● AirWatch MDM</li> <li>● GAFE / GMail</li> </ul> |

|   |   |   |   |
|---|---|---|---|
| Telecommunications equipment and services | <ul style="list-style-type: none"> <li>● Maintain Optimum Lightpath LAN/WAN/Voice/Internet</li> <li>● Maintain minimal Verizon POTS phone services</li> <li>● Add Wi-Fi phones</li> </ul> | <ul style="list-style-type: none"> <li>● Maintain Optimum Lightpath LAN/WAN/Voice/Internet</li> <li>● Maintain minimal Verizon POTS phone services</li> <li>● Add Wi-Fi phones</li> </ul> | <ul style="list-style-type: none"> <li>● Maintain Optimum Lightpath LAN/WAN/Voice/Internet</li> <li>● Maintain minimal Verizon POTS phone services</li> <li>● Add Wi-Fi phones</li> </ul> |
|---|---|---|---|

**Goal # 2: Technology Resources**

**Goal and Identified Need**

The district will strive to increase access to communication tools and digital information for students, teachers and administrators, both in our schools and in the community. We will promote 21<sup>st</sup> century skills, including cloud based learning and Internet safety practices to increase student engagement and prepare students to achieve in today’s digital society. The district will provide resources for the utilization of technology not only for the project based assignments but for the typical in class experience as well.

|  |  |
|--|--|
| <b>Strategy to Address Need/Activity/Task/Tactic</b>   |  |
| <b>(Professional learning, resources, persons responsible to ensure completion. Identify timeline to revise and adjust plan)</b>   |  |
| <ul style="list-style-type: none"> <li>● The district will research both emerging and promising practices as well as provide access to subscription and free resources that will include the infusion of technology.</li> <li>● District Administration will ensure completion/Ongoing.</li> </ul>                                 |  |
| <ul style="list-style-type: none"> <li>● Provide back to school instructions of using technology at Jefferson Township (Saving, Logins, Rules/Policies).</li> <li>● Supervisor of Instructional Technology and Technology Team will ensure completion/September.</li> </ul>  |  |
| <ul style="list-style-type: none"> <li>● Teachers will develop technology infused lessons, activities and assessments. Curriculums will be updated to incorporate the 2014 Technology Standards. Lesson banks will be created.</li> <li>● Teachers, Supervisors, Principals and Council will ensure completion/Ongoing.</li> </ul> |  |
| <ul style="list-style-type: none"> <li>● Review content filtering, spam filtering, anti-virus filtering process. Update Acceptable Use Policy and procedures for use of technology.</li> <li>● Technology Coordinator and District Administration/Ongoing.</li> </ul>  |  |
| <ul style="list-style-type: none"> <li>● Provide training on Digital Citizenship. (Plagiarism, Copy Right and Digital Footprint).</li> <li>● Teachers and District Administration/Ongoing.</li> </ul>  |  |

|  |   |   |   |
|--|---|---|---|
| Software used for curricular support and filtering | <ul style="list-style-type: none"> <li>● Accelerated Reader</li> <li>● Animoto</li> <li>● Apple iPad apps</li> <li>● Audacity</li> <li>● Autodesk Design</li> </ul> | <ul style="list-style-type: none"> <li>● Accelerated Reader</li> <li>● Animoto</li> <li>● Apple iPad apps</li> <li>● Audacity</li> <li>● Autodesk Design</li> </ul> | <ul style="list-style-type: none"> <li>● Accelerated Reader</li> <li>● Animoto</li> <li>● Apple iPad apps</li> <li>● Audacity</li> <li>● Autodesk Design</li> </ul> |
|--|---|---|---|



|  |  |  |
|--|--|--|
| <ul style="list-style-type: none"> <li>● Brainpop &amp; Brainpop Jr.</li> <li>● Curriculum Software</li> <li>● Destiny/Follett</li> <li>● Discovery Education</li> <li>● Ed Helper</li> <li>● Enchanted Learning</li> <li>● Glogster</li> <li>● Google Apps</li> <li>● GoAnimate</li> <li>● Inspiration</li> <li>● Kurzweil</li> <li>● Learning A – Z</li> <li>● Lingt Language</li> <li>● Math Tools</li> <li>● Microsoft Office Products</li> <li>● Moodle</li> <li>● Mystery Science</li> <li>● Naviance</li> <li>● Performance Matters</li> <li>● Physics by Giancoli (Web Assign)</li> <li>● Pix Writer</li> <li>● Quia</li> <li>● Reading Eggs</li> <li>● RealTime</li> <li>● Scratch</li> <li>● Shmoop</li> <li>● Special Education Software</li> <li>● Study Island</li> <li>● TruFlix</li> <li>● Tumblebooks</li> <li>● Turn-it-in</li> <li>● Type to Learn</li> <li>● Typing Instructor</li> <li>● Ultra Key</li> <li>● United Streaming</li> <li>● Vision 7</li> <li>● Vizzle</li> <li>● Vocabulary Spelling City</li> <li>● World Book Online</li> </ul> | <ul style="list-style-type: none"> <li>● Brainpop &amp; Brainpop Jr.</li> <li>● Curriculum Software</li> <li>● Destiny/Follett</li> <li>● Discovery Education</li> <li>● Ed Helper</li> <li>● Enchanted Learning</li> <li>● Glogster</li> <li>● Google Apps</li> <li>● GoAnimate</li> <li>● Inspiration</li> <li>● Kurzweil</li> <li>● Learning A – Z</li> <li>● Lingt Language</li> <li>● Math Tools</li> <li>● Microsoft Office Products</li> <li>● Moodle</li> <li>● Mystery Science</li> <li>● Naviance</li> <li>● Performance Matters</li> <li>● Physics by Giancoli (Web Assign)</li> <li>● Pix Writer</li> <li>● Quia</li> <li>● Reading Eggs</li> <li>● RealTime</li> <li>● Scratch</li> <li>● Shmoop</li> <li>● Special Education Software</li> <li>● Study Island</li> <li>● TruFlix</li> <li>● Tumblebooks</li> <li>● Turn-it-in</li> <li>● Type to Learn</li> <li>● Typing Instructor</li> <li>● Ultra Key</li> <li>● United Streaming</li> <li>● Vision 7</li> <li>● Vizzle</li> <li>● Vocabulary Spelling City</li> <li>● World Book Online</li> </ul> | <ul style="list-style-type: none"> <li>● Brainpop &amp; Brainpop Jr.</li> <li>● Curriculum Software</li> <li>● Destiny/Follett</li> <li>● Discovery Education</li> <li>● Ed Helper</li> <li>● Enchanted Learning</li> <li>● Glogster</li> <li>● Google Apps</li> <li>● GoAnimate</li> <li>● Inspiration</li> <li>● Kurzweil</li> <li>● Learning A – Z</li> <li>● Lingt Language</li> <li>● Math Tools</li> <li>● Microsoft Office Products</li> <li>● Moodle</li> <li>● Mystery Science</li> <li>● Naviance</li> <li>● Performance Matters</li> <li>● Physics by Giancoli (Web Assign)</li> <li>● Pix Writer</li> <li>● Quia</li> <li>● Reading Eggs</li> <li>● RealTime</li> <li>● Scratch</li> <li>● Shmoop</li> <li>● Special Education Software</li> <li>● Study Island</li> <li>● TruFlix</li> <li>● Tumblebooks</li> <li>● Turn-it-in</li> <li>● Type to Learn</li> <li>● Typing Instructor</li> <li>● Ultra Key</li> <li>● United Streaming</li> <li>● Vision 7</li> <li>● Vizzle</li> <li>● Vocabulary Spelling City</li> <li>● World Book Online</li> </ul> |
|--|--|--|

**Goal # 3: Professional Development**

**Goal and Identified Need**

Continue to enhance the district's existing professional development structures that provide hands-on training of current and emerging technologies. Ensure that the professional development plan allows all participants the opportunity to learn, practice, explore, collaborate, and implement technology in support of the curriculum.

Educators will attain the skills and knowledge necessary to effectively use educational technology to assist students to meet the New Jersey Student Learning Standards; develop higher order thinking skills and 21<sup>st</sup> Century Skills; and positively impacting student learning.

Professional Development will be provided for all faculty, staff and administrators in our district. Due to the evolving nature of technology, professional development needs to be ongoing and germane to the curriculum. Professional development on a more regular basis with follow-up will improve the staff's knowledge and comfort with technology and its integration into the classroom. The most significant barrier is time. In order to address this factor, we have begun to develop an in-district professional development program that will allow teachers time to practice their skills and explore resources to design and implement effective 21<sup>st</sup> century applications of technology into their instructional units.

Jefferson Township will begin to expand professional development using the technology we currently employ. The focus of this professional development will be technology integration into the existing curriculum and instruction. Professional development will be addressing the skills necessary to use technology and then its implementation and integration into the specific curriculum areas. This includes the addition of time to practice and collaborate.

Professional development activities in the application of assistive technologies are incorporated into all technology related workshops. Specific assistive technology applications are provided to special education teachers as applicable.

All administrators will receive training in new and ongoing technologies as part of regularly scheduled meetings. Administrators also receive individual training and support from the technology staff.

Through technology resources available in the district budget, members of the technology staff attend workshops targeted to specific needs of the district.

Professional development can be provided in the following ways:

- New teacher orientation training sessions

- Afterschool & Before School Workshops
- Tech Forums
- Faculty Meetings
- Department Meetings
- Lunch & Learn
- NJECC Conference
- Grade Level Meetings
- PLC's
- Out of district workshops
- District Professional Development Days
- Online Resources
- In class support / Co-Teach
- Summer Workshops
- Coffee Talks
- Genius Bar during faculty meetings – Set up two sections (Hardware and Software) for teachers to visit before or after a faculty meeting to talk about issues they may be having with technology
- Monster MASH (Machine and Software Help) – Club of seventh and eighth grade students that assist teachers with technology needs
- Help Desk Program

Professional Development for 2016-2017 will consist of the following topics:

- Differentiation Techniques
- Google Classroom
- Google Apps for Education
- SMART Notebook
- Online Technologies
- Performance Matters
- RealTime

**Strategy to Address Need/Activity/Task/Tactic**

**(Professional learning, resources, persons responsible to ensure completion. Identify timeline to revise and adjust plan)**

|   |
|---|
| <ul style="list-style-type: none"> <li>● Professional Development Days.</li> <li>● Assistant Superintendent will ensure completion/Summer, September and January.</li> </ul>  |
| <ul style="list-style-type: none"> <li>● District Technology Workshops.</li> <li>● Assistant Superintendent, Supervisor of Instructional Technology, District Administration and Supervisors will ensure completion/Ongoing.</li> </ul> |
| <ul style="list-style-type: none"> <li>● Provide greater opportunities for teachers to enhance technology skills (NJECC).</li> <li>● District Administration will ensure completion/Ongoing.</li> </ul>                                 |
| <ul style="list-style-type: none"> <li>● Technology literacy surveys for teachers.</li> <li>● Supervisor of Instructional Technology will ensure completion/Ongoing.</li> </ul>   |
| <ul style="list-style-type: none"> <li>● Assessment of teacher technological proficiency.</li> <li>● District Administration will ensure completion/Ongoing.</li> </ul>   |

V. Evaluation/Indicators

The Administration, Board of Education, Technology Department and instructional staff along with the technology committee will examine the plan to determine the extent to which the technology resources promote the teaching and learning process in Jefferson Township Public Schools. Technology integration to promote 21<sup>st</sup> Century skills will be assessed through lesson plan review, teacher observations, informal walk-throughs, PLCs, department meetings, evaluation of student projects and assessment of technology literacy in grades fourth and eighth. Other evaluation instruments include, but not limited to district website, attendance to workshops and informational sessions, new teacher packets, record of issues, curriculum revisions and technology records.

Our Instructional Supervisors K-12 will work with their instructional staff to develop and monitor curriculum and projects. Data analysis will be conducted to assess the effectiveness of our programs with regard to positively impacting student learning and preparation of online testing. The 4<sup>th</sup> and 8<sup>th</sup> grade technology assessment along with PARCC feedback will be used to understand the needs of the students. Adjustments may be made in coordination with the Instructional Technology Supervisor and Assistant Superintendent.

All building level administrators will monitor their school’s progress towards meeting the requirements of NJ CCCS 8.1. He or she will collaborate with the Instructional Technology Supervisor to identify areas of weakness or concern. The Technology Coordinator will also monitor the status of all hardware and software that is necessary to meet these goals.

VI. Budget/Source

The 2016-2017 projected federal funding is in the amount of \$803,248 and state funding is \$16,119,528. The budgeted figure includes our network infrastructure operating expenses in addition to our supply and software licensing accounts. The amounts for the NCLB federal grant and IDEA grant are not known as of this time. Please refer to attachment A for the 2016-2017 budget and attachment B for the 2016-2017 district initiatives.

**ATTACHMENT A – TECHNOLOGY PLAN COMPONENTS CHECKLIST**

**School /Charter School/Renaissance School: Jefferson Township Schools**

**NJTRAx PARCC Technology Readiness Rating: 9**

**NJTRAx Digital Learning Readiness Rating: NA**

- ☐ If the [Future Ready District Level](#) summary report was generated within the 2015-2016 school year, include a copy of the district report with the Plan submission – **Included**
- ☐ If the [NJTRAx Digital Learning Surveys](#) summary report was generated, include a copy for all identified schools – **N/A**

| STEP |  | YES | NO |
|------|--|-----|----|
| 1.   | District vision included.  | X   |    |
| 2.   | NJTRAx technology readiness system for the district and for each school was updated.               | X   |    |
| 3.   | NJTRAx DL surveys for each school were completed. GO TO STEP 5                                     |     | X  |
| 4.   | School-based Goals, Strategies, Objectives and Indicators are included for each identified school. | X   |    |
| 5.   | Reflection and adjustment plan is included.  | X   |    |
| 6.   | School-based plan for infusion of technology within instruction is clearly understood.             | X   |    |
| 7.   | School-based Reflection & Adjustment is included for each identified school.                       | X   |    |
| 8.   | School-based budget is included to support activities in Action Plan.                              | X   |    |

**ATTACHMENT B – BUDGET**

Budget Comp W/Justification  
 Current budget year Started 7/1/2015  
 Starting account 10-###-###-###-14  
 All Users

Jefferson Township Board of Ed  
 Current budget year column includes adjustments thru 6/30/2016  
 Ending account 12-###-###-###-14

| FUND              | 11 | GENERAL CURRENT EXPENSE                                  | 2015          |               | 2015          | 2016                | 2017            | Difference   | % chg   |
|-------------------|----|--|---------------|---------------|---------------|---------------------|-----------------|--------------|---------|
|                   |    |  | Orders        | Adjusted Budg | Adjusted Budg | Future Budg         |                 |              |         |
| 11-000-218-590-14 |    | MISC PURCH SVCS - TECHNOLOG`                             | \$101,360.63  |               | \$107,873.83  | \$102,095.60        | \$102,996.00    | \$900.40     | 0.88%   |
|                   |    | <u>Item Description</u>                                  | <u>Amount</u> | <u>Unit</u>   | <u>Qty</u>    | <u>Extension</u>    |                 |              |         |
|                   |    | Healthmaster   | \$2,250.00    |               | 1.            | \$2,250.00          |                 |              |         |
|                   |    | School Messenger (Reliance Communications)               | \$6,000.00    |               | 1.            | \$6,000.00          |                 |              |         |
|                   |    | Naviance - (Guidance Management System)                  | \$5,896.00    |               | 1.            | \$5,896.00          |                 |              |         |
|                   |    | High & Middle School                                     |               |               | 0.            |                     |                 |              |         |
|                   |    | Performance Matters (Analysis Software)                  | \$33,250.00   |               | 1.            | \$33,250.00         |                 |              |         |
|                   |    | RealTime (Student Information System)                    | \$55,600.00   |               | 1.            | \$55,600.00         |                 |              |         |
|                   |    |  |               |               |               | <b>\$102,996.00</b> | <b>Total \$</b> |              |         |
| 11-000-223-580-14 |    | STAFF DEVEL TRAVEL&WKSHOPS                               | \$1,500.00    |               | \$3,500.00    | \$2,000.00          | \$1,250.00      | (\$750.00)   | -37.50% |
|                   |    | <u>Item Description</u>                                  | <u>Amount</u> | <u>Unit</u>   | <u>Qty</u>    | <u>Extension</u>    |                 |              |         |
|                   |    | Software Training  | \$1,250.00    |               | 1.            | \$1,250.00          |                 |              |         |
|                   |    |  |               |               |               | <b>\$1,250.00</b>   | <b>Total \$</b> |              |         |
| 11-000-252-600-14 |    | ADMIN INFO TECH - GENERAL SUF                            | \$4,098.10    |               | \$5,292.58    | \$0.00              | \$1,500.00      | \$1,500.00   |         |
|                   |    | <u>Item Description</u>                                  | <u>Amount</u> | <u>Unit</u>   | <u>Qty</u>    | <u>Extension</u>    |                 |              |         |
|                   |    | Technology office supplies and technician tools          | \$1,500.00    |               | 1.            | \$1,500.00          |                 |              |         |
|                   |    |  |               |               |               | <b>\$1,500.00</b>   | <b>Total \$</b> |              |         |
| 11-000-252-890-14 |    | ADMIN INFO TECH SERV - MISC                              | \$0.00        |               | \$0.00        | \$0.00              | \$0.00          | \$0.00       |         |
| 11-190-100-420-14 |    | INSTR TECH SERVICES                                      | \$12,670.30   |               | \$25,182.07   | \$32,500.00         | \$27,000.00     | (\$5,500.00) | -16.92% |
|                   |    | <u>Item Description</u>                                  | <u>Amount</u> | <u>Unit</u>   | <u>Qty</u>    | <u>Extension</u>    |                 |              |         |
|                   |    | Airwatch MDM   | \$3,500.00    |               | 1.            | \$3,500.00          |                 |              |         |
|                   |    | Candoris - VMware support                                | \$2,000.00    |               | 1.            | \$2,000.00          |                 |              |         |
|                   |    | Cisco Maintenance  | \$2,000.00    |               | 1.            | \$2,000.00          |                 |              |         |
|                   |    | Dell (Sonicwall network firewall)                        | \$2,100.00    |               | 1.            | \$2,100.00          |                 |              |         |
|                   |    | EPlus Tech. (BOE backup tape system maintenance)         | \$1,700.00    |               | 1.            | \$1,700.00          |                 |              |         |
|                   |    | Jatheon (email archiving)                                | \$2,000.00    |               | 1.            | \$2,000.00          |                 |              |         |
|                   |    | Professional Services (network & systems-infrastructure) | \$7,500.00    |               | 1.            | \$7,500.00          |                 |              |         |
|                   |    | Carousel Industries (ArubaCare)                          | \$4,500.00    |               | 1.            | \$4,500.00          |                 |              |         |
|                   |    | Atlantic Communications - District Network Fax Service   | \$1,700.00    |               | 1.            | \$1,700.00          |                 |              |         |
|                   |    |  |               |               |               | <b>\$27,000.00</b>  | <b>Total \$</b> |              |         |

Budget Comp W/Justification  
 Current budget year Started 7/1/2015  
 Starting account 10-###-###-###-14  
 All Users

Jefferson Township Board of Ed  
 Current budget year column includes adjustments thru 6/30/2016  
 Ending account 12-###-###-###-14

| FUND              | 11 | GENERAL CURRENT EXPENSE       | 2015          |               | 2015          | 2016             | 2017         | Difference  | % chg |
|-------------------|----|-------------------------------|---------------|---------------|---------------|------------------|--------------|-------------|-------|
|                   |    |                               | Orders        | Adjusted Budg | Adjusted Budg | Future Budg      |              |             |       |
| 11-190-100-440-14 |    | INSTR RENTAL AND LEASES       | \$324,028.53  |               | \$324,620.77  | \$449,427.49     | \$489,568.00 | \$40,140.51 | 8.93% |
|                   |    | <u>Item Description</u>       | <u>Amount</u> | <u>Unit</u>   | <u>Qty</u>    | <u>Extension</u> |              |             |       |
|                   |    | US Bancorp Government Leasing |               |               | 0.            |                  |              |             |       |
|                   |    | Payment 4 of 4                | \$56,939.57   |               | 1.            | \$56,939.57      |              |             |       |
|                   |    | Last Payment July 2016        |               |               | 0.            |                  |              |             |       |
|                   |    | -----                         |               |               | 0.            |                  |              |             |       |
|                   |    | TD Equipment Finance          |               |               | 0.            |                  |              |             |       |





Budget Comp W/Justification  
 Current budget year Started 7/1/2015  
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Jefferson Township Board of Ed  
 Current budget year column includes adjustments thru 6/30/2016  
 Ending account 12-####-####-####-14

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| FUND              | 11 | GENERAL CURRENT EXPENSE                             | 2015               |                    | 2015               | 2016                        | 2017                | Difference    | % chg |
|-------------------|----|---|--------------------|--------------------|--------------------|-----------------------------|---------------------|---------------|-------|
|                   |    |   | Orders             | Adjusted Budg      | Adjusted Budg      | Future Budg                 |                     |               |       |
| 11-190-100-500-14 |    | INSTR OTHER PURCH SERV-TECH                         | \$254,341.03       | \$267,821.88       | \$446,116.10       | \$326,000.00                | (\$120,116.10)      | -26.92%       |       |
|                   |    | <u>Item Description</u>                             | <u>Amount</u>      | <u>Unit</u>        | <u>Qty</u>         | <u>Extension</u>            |                     |               |       |
|                   |    | Accelerated Reader (Renaissance Learning)           | \$5,954.00         |                    | 1.                 | \$5,954.00                  |                     |               |       |
|                   |    | Apple ipad apps (District)                          | \$1,500.00         |                    | 1.                 | \$1,500.00                  |                     |               |       |
|                   |    | Avid Protocols Upgrade                              | \$700.00           |                    | 1.                 | \$700.00                    |                     |               |       |
|                   |    | Brainpop & Brainpop Jr.                             | \$6,496.00         |                    | 1.                 | \$6,496.00                  |                     |               |       |
|                   |    | CAD Software (Autodesk)                             | \$1,500.00         |                    | 1.                 | \$1,500.00                  |                     |               |       |
|                   |    | Destiny -(Follett)                                  | \$4,900.00         |                    | 1.                 | \$4,900.00                  |                     |               |       |
|                   |    | E-Rate Partners                                     | \$2,700.00         |                    | 1.                 | \$2,700.00                  |                     |               |       |
|                   |    | DIGITAL RIVER(JourneyEd)includes                    |                    |                    | 0.                 |                             |                     |               |       |
|                   |    | Adobe Bundle-Design & Web Collection                | \$22.50            |                    | 382.               | \$8,595.00                  |                     |               |       |
|                   |    | Anti-virus/spyware                                  | \$12,500.00        |                    | 1.                 | \$12,500.00                 |                     |               |       |
|                   |    | Microsoft Agreement                                 | \$27,425.00        |                    | 1.                 | \$27,425.00                 |                     |               |       |
|                   |    | Typing Instructor for Kids                          | \$2,999.00         |                    | 1.                 | \$2,999.00                  |                     |               |       |
|                   |    | Vision 6.9  | \$1,548.00         |                    | 1.                 | \$1,548.00                  |                     |               |       |
|                   |    | Dyslexie Font                                       | \$665.00           |                    | 1.                 | \$665.00                    |                     |               |       |
|                   |    | Discovery Education Streaming                       | \$10,900.00        |                    | 1.                 | \$10,900.00                 |                     |               |       |
|                   |    | EdHelper  | \$840.00           |                    | 1.                 | \$840.00                    |                     |               |       |
|                   |    | Edmentum - includes:                                | \$14,615.00        |                    | 1.                 | \$14,615.00                 |                     |               |       |
|                   |    | Reading Eggs  |                    |                    | 0.                 |                             |                     |               |       |
|                   |    | Study Island  |                    |                    | 0.                 |                             |                     |               |       |
|                   |    | Enchanted Learning                                  | \$625.00           |                    | 1.                 | \$625.00                    |                     |               |       |
|                   |    | Glogster (4 schools)                                | \$2,979.00         |                    | 1.                 | \$2,979.00                  |                     |               |       |
|                   |    | GoAnimate (GoAnimate4Schools)                       | \$553.00           |                    | 1.                 | \$553.00                    |                     |               |       |
|                   |    | Kurzweil - (Envision)                               | \$4,800.00         |                    | 1.                 | \$4,800.00                  |                     |               |       |
|                   |    | Learing A-Z includes -                              | \$12,935.00        |                    | 1.                 | \$12,935.00                 |                     |               |       |
|                   |    | RazKids   |                    |                    | 0.                 |                             |                     |               |       |
|                   |    | Reading A-Z   |                    |                    | 0.                 |                             |                     |               |       |
|                   |    | Vocabulary  |                    |                    | 0.                 |                             |                     |               |       |
|                   |    | Writing A-Z   |                    |                    | 0.                 |                             |                     |               |       |
|                   |    | Lingt (7 accounts)                                  | \$553.00           |                    | 1.                 | \$553.00                    |                     |               |       |
|                   |    | Mastercam (Allegheny Ed.)                           | \$120.00           |                    | 1.                 | \$120.00                    |                     |               |       |
|                   |    | Glencoe.Physics (Web Assign)                        | \$588.00           |                    | 1.                 | \$588.00                    |                     |               |       |
|                   |    | Quia (IXL Learning) (30 accounts)                   | \$1,365.00         |                    | 1.                 | \$1,365.00                  |                     |               |       |
|                   |    |   |                    |                    |                    | <b>\$30,710.00 Total \$</b> |                     |               |       |
| 11-000-266-610-12 |    | SECURITY GENERAL SUPPLIES                           | \$11,242.49        | \$11,609.93        | \$12,355.44        | \$15,800.00                 | \$3,444.56          | 27.88%        |       |
|                   |    | <u>Item Description</u>                             | <u>Amount</u>      | <u>Unit</u>        | <u>Qty</u>         | <u>Extension</u>            |                     |               |       |
|                   |    | High School - Replacement radios & batteries        | \$2,700.00         |                    | 1.                 | \$2,700.00                  |                     |               |       |
|                   |    | Middle School - Replacement radios & batteries      | \$2,500.00         |                    | 1.                 | \$2,500.00                  |                     |               |       |
|                   |    | Elementary Schools - Replacement radios & batteries | \$500.00           |                    | 5.                 | \$2,500.00                  |                     |               |       |
|                   |    | HS/MS Hall Monitor Shirts                           | \$1,000.00         |                    | 1.                 | \$1,000.00                  |                     |               |       |
|                   |    | School Bus Monitoring System:                       | \$2,600.00         |                    | 1.                 | \$2,600.00                  |                     |               |       |
|                   |    | Parts for Video Surveillance Cameras                |                    |                    | 0.                 |                             |                     |               |       |
|                   |    | Supplies for Keyscan                                | \$2,000.00         |                    | 1.                 | \$2,000.00                  |                     |               |       |
|                   |    | Printer Materials                                   |                    |                    | 0.                 |                             |                     |               |       |
|                   |    | Key Card/Badges                                     |                    |                    | 0.                 |                             |                     |               |       |
|                   |    | Back-up Security Cameras & Parts                    | \$2,500.00         |                    | 1.                 | \$2,500.00                  |                     |               |       |
|                   |    |   |                    |                    |                    | <b>\$15,800.00 Total \$</b> |                     |               |       |
|                   |    | <b>FUND Total</b>                                   | <b>\$47,332.49</b> | <b>\$48,333.83</b> | <b>\$50,838.77</b> | <b>\$46,510.00</b>          | <b>(\$4,328.77)</b> | <b>-8.51%</b> |       |
|                   |    | <b>Total For Report</b>                             | <b>\$47,332.49</b> | <b>\$48,333.83</b> | <b>\$50,838.77</b> | <b>\$46,510.00</b>          | <b>(\$4,328.77)</b> | <b>-8.51%</b> |       |

Budget Comp W/Justification  
 Current budget year Started 7/1/2015  
 Starting account 10-###-###-###-14  
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| <u>Item Description</u>                                 | <u>Amount</u> | <u>Unit</u> | 2015          | 2015                 | 2016                 | 2017               | <u>Difference</u> | <u>% chg</u> |
|---|---------------|-------------|---------------|----------------------|----------------------|--------------------|-------------------|--------------|
|   |               |             | <u>Orders</u> | <u>Adjusted Budg</u> | <u>Adjusted Budg</u> | <u>Future Budg</u> |                   |              |
| R School Today (Widget)                                 | \$150.00      |             | 1.            | \$150.00             |                      |                    |                   |              |
| Solarwinds Orion Renewal                                | \$4,500.00    |             | 1.            | \$4,500.00           |                      |                    |                   |              |
| TruFlix   | \$1,076.00    |             | 1.            | \$1,076.00           |                      |                    |                   |              |
| Tumblebooks (2 schools)                                 | \$1,078.00    |             | 1.            | \$1,078.00           |                      |                    |                   |              |
| Turn-it-in (HS & MS) (Iparadigms)                       | \$6,855.00    |             | 1.            | \$6,855.00           |                      |                    |                   |              |
| Vizzle (Monarch Teaching)                               | \$8,290.00    |             | 1.            | \$8,290.00           |                      |                    |                   |              |
| VocabularySpellingCity                                  | \$570.00      |             | 1.            | \$570.00             |                      |                    |                   |              |
| World Book Online                                       | \$2,546.00    |             | 1.            | \$2,546.00           |                      |                    |                   |              |
| Zoomerang (Survey Monkey)                               | \$585.00      |             | 1.            | \$585.00             |                      |                    |                   |              |
| Curriculum Software                                     | \$3,000.00    |             | 1.            | \$3,000.00           |                      |                    |                   |              |
| Library Databases/Software                              | \$3,000.00    |             | 1.            | \$3,000.00           |                      |                    |                   |              |
| Network Upgrades Software                               | \$2,500.00    |             | 1.            | \$2,500.00           |                      |                    |                   |              |
| Special Education Software                              | \$2,500.00    |             | 1.            | \$2,500.00           |                      |                    |                   |              |
| Mystery Science Software                                | \$1,995.00    |             | 1.            | \$1,995.00           |                      |                    |                   |              |
| Schoolwires Web related Software                        | \$22,000.00   |             | 1.            | \$22,000.00          |                      |                    |                   |              |
| Tech Dept. Software                                     | \$1,000.00    |             | 1.            | \$1,000.00           |                      |                    |                   |              |
| Optimum Private Fiber Network and Internet Voice Bundle | \$136,000.00  |             | 1.            | \$136,000.00         |                      |                    |                   |              |
|   |               |             |               | \$326,000.00         | Total \$             |                    |                   |              |

Budget Comp W/Justification  
 Current budget year Started 7/1/2015  
 Starting account 10-####-####-####-14  
 All Users

Jefferson Township Board of Ed  
 Current budget year column includes adjustments thru 6/30/2016  
 Ending account 12-####-####-####-14

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| FUND              | 11 | GENERAL CURRENT EXPENSE                | 2015                |               | 2015          |                     | 2016                  |                       | 2017                 |               | Difference | % chg |
|-------------------|----|--|---------------------|---------------|---------------|---------------------|-----------------------|-----------------------|----------------------|---------------|------------|-------|
|                   |    |  | Orders              | Adjusted Budg | Adjusted Budg | Future Budg         | Future Budg           | Future Budg           |                      |               |            |       |
| 11-190-100-610-14 |    | SUPPLIES CLASSROOM TECHNOL             | \$145,392.52        | \$159,220.91  | \$81,040.90   | \$92,000.00         | \$10,959.10           | 13.52%                |                      |               |            |       |
|                   |    | <u>Item Description</u>                | <u>Amount</u>       | <u>Unit</u>   | <u>Qty</u>    | <u>Extension</u>    |                       |                       |                      |               |            |       |
|                   |    | Batteries - AA, AAA, 9V                | \$200.00            |               | 1.            | \$200.00            |                       |                       |                      |               |            |       |
|                   |    | Batteries for UPS backup units         | \$3,250.00          |               | 1.            | \$3,250.00          |                       |                       |                      |               |            |       |
|                   |    | Ink Cartridges/Toner (Atlantic MPS)    | \$50,000.00         |               | 1.            | \$50,000.00         |                       |                       |                      |               |            |       |
|                   |    | Pin pads(Genovation)                   | \$200.00            | 1             | 7.            | \$1,400.00          |                       |                       |                      |               |            |       |
|                   |    | Laptop parts (batteries)               | \$2,500.00          |               | 1.            | \$2,500.00          |                       |                       |                      |               |            |       |
|                   |    | Memory                                 | \$30.00             | 1             | 50.           | \$1,500.00          |                       |                       |                      |               |            |       |
|                   |    | Mice (Logitech)                        | \$8.00              | 1             | 150.          | \$1,200.00          |                       |                       |                      |               |            |       |
|                   |    | Headset (Logitech)                     | \$7.00              | 1             | 225.          | \$1,575.00          |                       |                       |                      |               |            |       |
|                   |    | Network Server replacement parts       | \$5,000.00          |               | 1.            | \$5,000.00          |                       |                       |                      |               |            |       |
|                   |    | Network Switches (classroom)           | \$75.00             | 1             | 25.           | \$1,875.00          |                       |                       |                      |               |            |       |
|                   |    | Printers (replacement)                 | \$250.00            | 1             | 10.           | \$2,500.00          |                       |                       |                      |               |            |       |
|                   |    | Projectors (replacement)               | \$750.00            | 1             | 10.           | \$7,500.00          |                       |                       |                      |               |            |       |
|                   |    | Projector lamps (replacement)          | \$7,000.00          |               | 1.            | \$7,000.00          |                       |                       |                      |               |            |       |
|                   |    | Robotics Kits                          | \$5,000.00          |               | 1.            | \$5,000.00          |                       |                       |                      |               |            |       |
|                   |    | Speakers                               | \$50.00             | 1             | 10.           | \$500.00            |                       |                       |                      |               |            |       |
|                   |    | Screen Cleaners                        | \$30.00             | 1             | 8.            | \$240.00            |                       |                       |                      |               |            |       |
|                   |    | Surge Protectors                       | \$50.00             | 1             | 50.           | \$2,500.00          |                       |                       |                      |               |            |       |
|                   |    | Webcam (Logitech)                      | \$40.00             | 1             | 5.            | \$200.00            |                       |                       |                      |               |            |       |
|                   |    | Classroom Tech.Supplies (misc.)        | \$4,000.00          |               | 1.            | \$4,000.00          |                       |                       |                      |               |            |       |
|                   |    | Administrative Adj                     | (\$5,940.00)        |               | 1.            | (\$5,940.00)        |                       |                       |                      |               |            |       |
|                   |    |  |                     |               |               | \$92,000.00         | Total \$              |                       |                      |               |            |       |
| 11-190-100-890-14 |    | INSTR-MISC EXPENSES-TECHNOL            | \$1,800.00          |               |               | \$1,800.00          | \$1,800.00            | \$1,800.00            | \$0.00               | 0.00%         |            |       |
|                   |    | <u>Item Description</u>                | <u>Amount</u>       | <u>Unit</u>   | <u>Qty</u>    | <u>Extension</u>    |                       |                       |                      |               |            |       |
|                   |    | NOECC (NJ Ed Computer Consortium Dues) | \$1,800.00          | 1             | 1.            | \$1,800.00          |                       |                       |                      |               |            |       |
|                   |    |  |                     |               |               | \$1,800.00          | Total \$              |                       |                      |               |            |       |
|                   |    | <b>FUND Total</b>                      | <b>\$845,191.11</b> |               |               | <b>\$895,312.04</b> | <b>\$1,114,980.09</b> | <b>\$1,042,114.00</b> | <b>(\$72,866.09)</b> | <b>-6.54%</b> |            |       |
|                   |    | <b>Total For Report</b>                | <b>\$845,191.11</b> |               |               | <b>\$895,312.04</b> | <b>\$1,114,980.09</b> | <b>\$1,042,114.00</b> | <b>(\$72,866.09)</b> | <b>-6.54%</b> |            |       |

Budget Comp W/Justification  
 Current budget year Started 7/1/2015  
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 All Users

Jefferson Township Board of Ed  
 Current budget year column includes adjustments thru 6/30/2016  
 Ending account 11-000-252-####-###

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| FUND              | 11 | GENERAL CURRENT EXPENSE          | 2015          |               | 2015          |                  | 2016                |                 | 2017 |  | Difference | % chg |
|-------------------|----|----------------------------------|---------------|---------------|---------------|------------------|---------------------|-----------------|------|--|------------|-------|
|                   |    |                                  | Orders        | Adjusted Budg | Adjusted Budg | Future Budg      | Future Budg         | Future Budg     |      |  |            |       |
| 11-000-252-100-00 |    | ADMINISTRATIVE INFO TECH - SAL   | \$519,569.61  | \$519,569.61  | \$523,981.00  | \$527,264.00     | \$3,283.00          | 0.63%           |      |  |            |       |
|                   |    | <u>Item Description</u>          | <u>FTE</u>    | <u>Amount</u> | <u>Unit</u>   | <u>Qty</u>       | <u>Extension</u>    |                 |      |  |            |       |
|                   |    | [REDACTED]                       |               | \$59,808.00   |               | 1.               | \$59,808.00         |                 |      |  |            |       |
|                   |    | [REDACTED]                       |               | \$0.96        |               | 1.               | \$0.96              |                 |      |  |            |       |
|                   |    | [REDACTED]                       |               | \$12,500.00   |               | 1.               | \$12,500.00         |                 |      |  |            |       |
|                   |    | [REDACTED]                       |               | \$109,315.92  |               | 1.               | \$109,315.92        |                 |      |  |            |       |
|                   |    | [REDACTED]                       |               | \$67,999.92   |               | 1.               | \$67,999.92         |                 |      |  |            |       |
|                   |    | [REDACTED]                       |               | \$96,455.04   |               | 1.               | \$96,455.04         |                 |      |  |            |       |
|                   |    | [REDACTED]                       |               | \$62,949.12   |               | 1.               | \$62,949.12         |                 |      |  |            |       |
|                   |    | [REDACTED]                       |               | \$58,243.92   |               | 1.               | \$58,243.92         |                 |      |  |            |       |
|                   |    | [REDACTED]                       |               | \$59,991.12   |               | 1.               | \$59,991.12         |                 |      |  |            |       |
|                   |    | <b>6.00 Total FTE</b>            |               |               |               |                  | <b>\$527,264.00</b> | <b>Total \$</b> |      |  |            |       |
| 11-000-252-500-00 |    | ADMIN INFO TECH-OTHER PRCH       | \$1,012.11    | \$1,650.00    | \$3,184.62    | \$3,200.00       | \$15.38             | 0.48%           |      |  |            |       |
|                   |    | <u>Item Description</u>          | <u>Amount</u> | <u>Unit</u>   | <u>Qty</u>    | <u>Extension</u> |                     |                 |      |  |            |       |
|                   |    | Mileage for Technology Employees | \$1,300.00    |               | 1.            | \$1,300.00       |                     |                 |      |  |            |       |

Budget Comp W/Justification  
 Current budget year Started 7/1/2015  
 Starting account 11-000-252-###-##  
 All Users

Jefferson Township Board of Ed  
 Current budget year column includes adjustments thru 6/30/2016  
 Ending account 11-000-252-###-##

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 04/20/16 10:05

|                   |   | 2015                           | 2015                | 2016                | 2017                |                   |              |
|-------------------|---|--------------------------------|---------------------|---------------------|---------------------|-------------------|--------------|
|                   |   | Orders                         | Adjusted Budg       | Adjusted Budg       | Future Budg         | Difference        | % chg        |
| <b>FUND</b>       | <b>11</b>                                       | <b>GENERAL CURRENT EXPENSE</b> |                     |                     |                     |                   |              |
| 11-000-252-600-14 | ADMIN INFO TECH - GENERAL SUF                   | \$4,098.10                     | \$5,292.58          | \$0.00              | \$1,500.00          | \$1,500.00        |              |
|                   | <u>Item Description</u>                         | <u>Amount</u>                  | <u>Unit</u>         | <u>Qty</u>          | <u>Extension</u>    |                   |              |
|                   | Technology office supplies and technician tools | \$1,500.00                     |                     | 1.                  | \$1,500.00          |                   |              |
|                   |   |                                |                     | \$1,500.00          | Total \$            |                   |              |
|                   | <b>FUND Total</b>                               | <b>\$524,679.82</b>            | <b>\$526,512.19</b> | <b>\$527,165.62</b> | <b>\$531,964.00</b> | <b>\$4,798.38</b> | <b>0.91%</b> |
|                   | <b>Total For Report</b>                         | <b>\$524,679.82</b>            | <b>\$526,512.19</b> | <b>\$527,165.62</b> | <b>\$531,964.00</b> | <b>\$4,798.38</b> | <b>0.91%</b> |

**ATTACHMENT C – DISTRICT INITIATIVES**



| Sch /Dept | Program                    | Item / Description / ISBN #                                   | Company / Catalog | Qty | Unit Price  | Total Cost    |
|-----------|----------------------------|---|-------------------|-----|-------------|---------------|
|           |                            |   |                   |     |             | \$ 232,025.00 |
| Dist      | Faculty & Staff            | Desktop PC Intel i3 6GB RAM 120GB HD Win 10                   | Dell              | 150 | \$500.00    | \$ 75,000.00  |
| Dist      | Faculty & Staff            | Laptop PC Intel i5 6GB RAM 120GB HD Win 10                    | Lenovo            | 5   | \$575.00    | \$ 2,875.00   |
| Dist      | Network Infrastructure     | Network Switch Replacements                                   | HP                | 1   | \$15,000.00 | \$ 15,000.00  |
| HS        | Student                    | Projector w/ Installation                                     | TBD               | 2   | \$2,500.00  | \$ 5,000.00   |
| WR        | Student                    | Interactive White Board w/ Installation                       | SMART / Epson     | 3   | \$3,700.00  | \$ 11,100.00  |
| ST        | Student                    | iPad Cart   | Apple             | 1   | \$6,500.00  | \$ 6,500.00   |
| ST        | Student                    | Installation & Materials for Existing Interactive Smart Board | TBD               | 2   | \$2,500.00  | \$ 5,000.00   |
| ST        | Student                    | Interactive White Board w/ Installation                       | SMART / Epson     | 1   | \$3,700.00  | \$ 3,700.00   |
| ST        | Media Center               | Chromebook Laptop Cart - (touch screen convertible)           | Lenovo            | 1   | \$15,000.00 | \$ 15,000.00  |
| CL        | Student                    | Chromebook Laptop Cart - (touch screen convertible)           | Lenovo            | 1   | \$15,000.00 | \$ 15,000.00  |
| MI        | Student                    | Chromebook Laptop Cart - (touch screen convertible)           | Lenovo            | 1   | \$15,000.00 | \$ 15,000.00  |
| MI        | Student                    | iPad Cart   | Apple             | 1   | \$6,500.00  | \$ 6,500.00   |
| BR        | Student                    | Interactive White Board w/ Installation                       | SMART / Epson     | 3   | \$3,700.00  | \$ 11,100.00  |
| Guid/504  | Student 504 / Counselors   | Chromebook Laptop - (touch screen convertible)                | Lenovo            | 10  | \$535.00    | \$ 5,350.00   |
| Elem      | Student                    | iPod Touch 16GB   | Apple             | 25  | \$200.00    | \$ 5,000.00   |
| MS        | Security                   | 16 Additional Security Cameras w/ Installation **             | TBD               | 1   | \$25,000.00 | \$ 25,000.00  |
| MS        | Student                    | Interactive White Board w/ Installation                       | SMART / Epson     | 2   | \$3,700.00  | \$ 7,400.00   |
| MS        | Faculty & Staff            | Projector w/ Installation                                     | TBD               | 1   | \$2,500.00  | \$ 2,500.00   |
|           |                            |   |                   |     |             | \$ -          |
| *HS       | 1 to 1 Social Studies Dept | Chromebook Laptop Cart - (touch screen convertible)           | Lenovo            | 4   | \$15,000.00 | \$ 60,000.00  |
| *HS       | 1 to 1 Grade 9 STU=260     | Windows Laptop Cart - (touch screen convertible)              | Lenovo            | 270 | \$620.00    | \$ 167,400.00 |
| *Dist     | Staff & Students           | Savin 2554 MFP Copiers (Year 1 of 4 Year Lease)               | Atlantic / Lease  | 7   | \$1,350.00  | \$ 9,450.00   |
|           |                            |   |                   |     |             | \$ -          |

\* Option (not in total cost)

\*\* Does not include new

NVR if needed (+ \$10,000)

**ATTACHMENT C – NTRAx Report**  
**11/20/15**



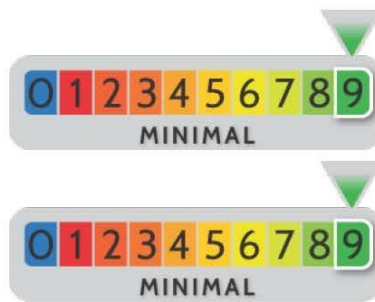
**District Report**  
**Jefferson Township**

(Ratings based on Minimum PARCC specifications.)

This report provides a snapshot of the district's technology readiness for online assessment based on the NJTRAx data provided by the school's representative. The readiness ratings in this report are only as accurate as the data upon which they are based and are not a guaranteed indicator of success. This report is intended to be informational and to be used as one element of the data reviewed by Districts and Local Educational Agencies (LEAs)/Testing Sites as they prepare for technology readiness.

**District Technology Readiness for Online Assessment**

Rating for: PARCC  
Minimum  
Specifications



The Readiness Ratings for Online PARCC Performance Assessment (20-day window) use a scale of 0-9, where 0 = Missing or Out of Range Data, 1-3 = Low Not Ready, 4-6 = Moderate Not Ready, and 7-9 = Ready.

Rating for: PARCC  
Recommended  
Specifications

The report is based upon assumptions that influenced the calculations and results.

The assumptions are as follows:

- The administration window for each of the two PARCC summative assessments is twenty (20) days. All assessments and make-ups must be administered within the twenty day window. Although some LEAs/Testing Sites may be able to schedule fewer days, the report is based on the availability of all twenty days.
- As per PARCC documentation, the report uses two assessment sessions per day in its calculations.
- This report uses a 10% overage included in the amount of devices that are needed in order to account for possible breakage and repair issues that could occur during the assessment administration.
- This report uses PARCC minimum bandwidth specifications for online testing. Those specifications are: 50 Kbps per student with no content caching and 5 Kbps when content caching is used. Eighty percent (80%) of the available Internet bandwidth is used in the network readiness calculation since 80% represents the percentage of Internet bandwidth typically available for high quality data transport.

- o The **data are out of range** – for example, an Internet utilization entry with the entry at 0% (which does not take into account normal, everyday usage) or 100% (which indicates there would be no bandwidth available for testing above normal usage).

It should be noted that the reporting feature of the PARCC TRT does not include all of these assumptions. Due to this, the results of this report may differ from the reports found in the PARCC TRT.



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## District Report: Executive Summary



### Technology Readiness Rating

To be considered OVERALL TECHNOLOGY READY FOR ONLINE TESTING the District must meet each of the following criterion:

- A) The District must be rated Network Ready (see below for definition)
- B) All schools in the district that are testing sites must be rated as Technology Ready for Online Testing.



### Network Readiness Rating

If the District is the Internet Service Provider for its schools then, to be deemed Network Ready, the district must have adequate bandwidth to accommodate normal traffic plus all simultaneous test takers from all schools across the duration of the testing window. In addition, all its schools must be Network Ready.

If the District is not the ISP, then to be considered Network Ready, all its schools must be Network Ready.



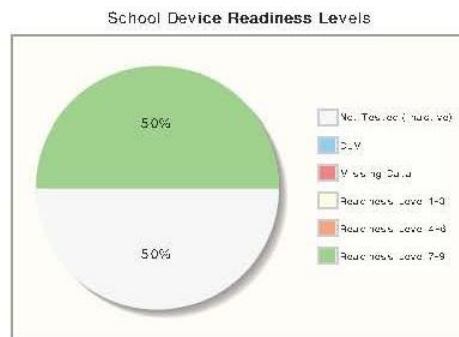
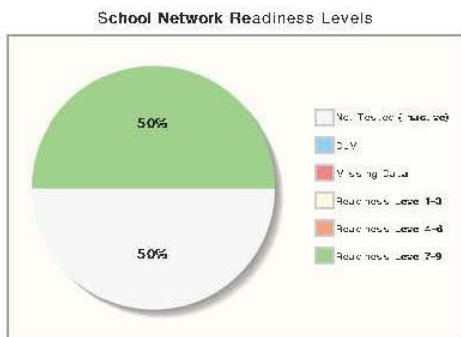
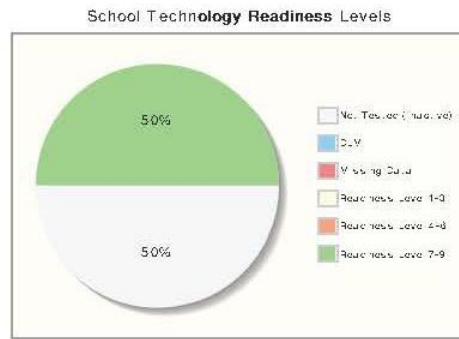
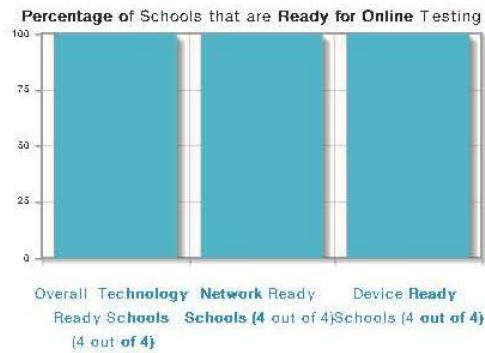
### Device Readiness Rating

To be device ready, a district must have all of its schools device ready.

## Testing Specifications

|   |              |                           |
|---|--------------|---------------------------|
| Number of schools: 8                              | <b>Grade</b> | <b>Number of Students</b> |
| Number of students to be tested: 2274             | 3            | 227                       |
| Number of test sittings per Grade 3-5 student: 8  | 4            | 251                       |
| Number of test sittings per Grade 6-11 student: 7 | 5            | 253                       |
| Grades Tested: 3, 4, 5, 6, 7, 8, 9, 10, 11        | 6            | 254                       |
| Assessment Window: 30 days                        | 7            | 262                       |
| Assessment Sessions per Day: 2                    | 8            | 253                       |
|   | 9            | 256                       |
|   | 10           | 254                       |
|   | 11           | 264                       |

## Summary Status Report





# District Network Readiness

## Jefferson Township

(Ratings based on Minimum PARCC specifications.)

A District is Network Ready for Online Assessment if it meets one of two criteria:

- If the district is the Internet Service Provider (ISP) for its schools, then all its schools must be network ready and there must be adequate district Internet bandwidth available to accommodate all simultaneous users from all schools across the district at 50 Kbps per test taker for those not using caching servers, and at 5 Kbps for those using caching servers.
- If the district is not the ISP then to be considered network ready all the schools must be rated as Network Ready for Online Assessment.

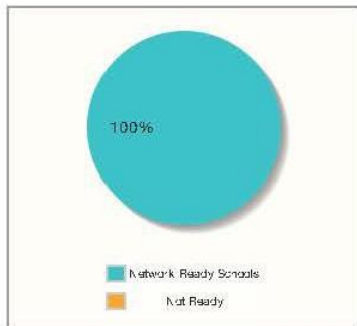
New Jersey/PARCC Guidelines for Overall District Technology Readiness for Online Assessment

To be considered OVERALL TECHNOLOGY READY FOR ONLINE TESTING the district must meet each of the following criterion:

- All schools must be rated as Technology Ready for Online Assessment.
- The District must be rated Network Ready for Assessment: If the district is the Internet Service Provider (ISP) for its schools, then there must be adequate district Internet bandwidth available to accommodate normal Internet traffic plus the extra load required to meet the online assessment demands of the maximum number of simultaneous test takers for all schools across the district, for the duration of the testing window. If the district is not the ISP, then to be considered network ready, the district must have all the schools rated as Network Ready for Online Assessment.

### This District's Network Status

Percentage of Network Ready Schools:



A Closer Look at the Schools

| Category of Network Readiness for Online Assessment | Count of Schools | Schools   |
|---|------------------|---|
| NOT TESTED  | 4                | <ul style="list-style-type: none"> <li>• Rober F. Drummond Elementary School</li> <li>• Cozy Lake Elementary School</li> <li>• Ellen T. Briggs Elementary School</li> <li>• Milton Elementary School</li> </ul>     |
| DLM   | 0                |   |
| MISSING DATA  | 0                |   |
| NOT READY Low Level Rating:1-3                      | 0                |   |
| NOT READY Mid-Level Rating:4-6                      | 0                |   |
| READY Rating:7-9                                    | 4                | <ul style="list-style-type: none"> <li>• Jefferson Township High School</li> <li>• Arthur Stanlick Elementary School</li> <li>• Jefferson Township Middle School</li> <li>• White Rock Elementary School</li> </ul> |

### Recommendations

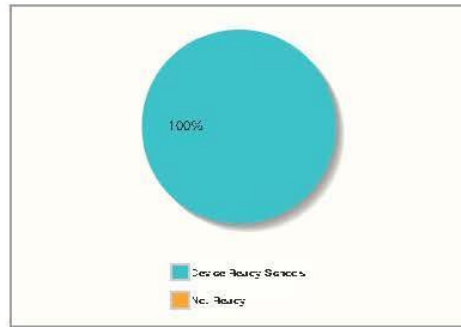
Please check your individual schools' network ratings and associated recommendations.

## District Device Readiness Jefferson Township

(Ratings based on Minimum PARCC specifications.)

The chart to the right provides a snapshot of the Device Readiness for Testing for the schools in this District.

The table below provides the ratings for individual schools in the district.



| Category of Device Readiness for Online Assessment | Count of Schools | Schools   |
|--|------------------|---|
| NOT TESTED   | 4                | <ul style="list-style-type: none"> <li>Rober F. Drummond Elementary School</li> <li>Cozy Lake Elementary School</li> <li>Ellen T. Briggs Elementary School</li> <li>Milton Elementary School</li> </ul>     |
| DLM  | 0                |   |
| MISSING DATA                                       | 0                |   |
| NOT READY<br>Low Level<br>Rating:1-3               | 0                |   |
| NOT READY<br>Mid-Level<br>Rating:4-6               | 0                |   |
| READY<br>Rating:7-9                                | 4                | <ul style="list-style-type: none"> <li>Jefferson Township High School</li> <li>Arthur Stanlick Elementary School</li> <li>Jefferson Township Middle School</li> <li>White Rock Elementary School</li> </ul> |

### Recommendations

For specific recommendations on device readiness, please review the reports from each school, or use the Sandbox to investigate how the District's readiness ratings change when devices are upgraded or added.