



State of New Jersey
DEPARTMENT OF EDUCATION
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CHRIS CHRISTIE
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Lt. Governor

CHRISTOPHER D. CERF
Commissioner

Technology Plan Approval Letter

Laurence Cocco, Director of the Office of Educational Technology for the New Jersey Department of Education, is certified by the Universal Service Administrative Company to approve technology plans as required for participation in the Schools and Libraries Program (E-Rate).

Roselle Park Board of Education has a technology plan that meets required E-Rate program elements.

This technology plan covers the period starting on July 1, 2013 and ending on June 30, 2016.

All applicants and service providers are required to retain documents related to the Universal Service Fund for a period of at least **five (5) years from last date of service**. The suggested list of documents to be retained can be found in Paragraphs 45-50 in the FCC's 5th Report and Order (FCC 04-190).

If you have any questions please send an email to edtech@doe.state.nj.us.


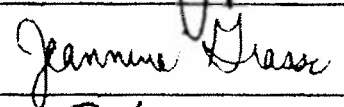
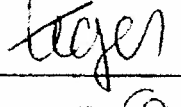
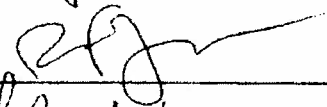
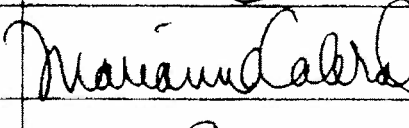
Name: Laurence Cocco
Director, Office of Educational Technology
Division of Innovation

Signature:

A handwritten signature in cursive script that reads "Laurence Cocco".

Date: June 21, 2013

Roselle Park School District Technology Plan 2013 – 2016

Stakeholder Table		
Title	Name	Signature
Superintendent	Patrick Spagnoletti	
Chief Technology Officer	Michael Estrada	
Principal	Jeannine Grasso Middle School Principal	
Director of Curriculum, and Funded Programs	James Salvo	
Teacher(s)	Danielle Romero	
Special Education Teacher	Tricia Eger	
Library Media Specialist	Robert Duncan	
Guidance	Susan Carlstrom	
Board Member	Jeof Vita, Board Technology Committee	
Parent	Scott Bruckenstein	
Student(s)	Scott Giameo	
Community Member	Marianne Cabral	
Other	Jossie Reyes, Technology	

1. Technology Inventory:

Three-Year Educational Technology Plan Inventory Table			
Area of Need	Describe for erate funded year 1 2013-2014	Describe for erate funded year 2 2014-2015	Describe for erate funded year 3 2015-2016
Technology Equipment including assistive technologies	<ul style="list-style-type: none"> - Wireless Expansion - Projector replacement - Intro of Student Email - Initial Virtual Desktop Deployment - HS/MS Teacher Laptop deployment - Replace POS systems 	<ul style="list-style-type: none"> - Wireless Expansion - Server Replacement - Student Email Expansion to Elementary - Continued Virtual Desktop Deployment - HS/MS Student Laptop deployment - Student Hosted Intranet 	<ul style="list-style-type: none"> - Wireless Expansion - Server Replacement - Maintain Virtual Desktop Deployment - HS/MS Student Laptop deployment
Networking Capacity	<ul style="list-style-type: none"> - Internet 150 down/60 up - Internal 1GB backbone - Internal 100mb to hosts - Wireless N - VPN Tunneling between buildings 	<ul style="list-style-type: none"> - Internet 150 down/60 up - Internal 10GB backbone - Internal 1GB to hosts - Wireless AC Intro - VPN Tunneling between buildings 	<ul style="list-style-type: none"> - Internet 150 down/60 up - Internal 10GB backbone - Internal 1GB to hosts - Wireless AC - VPN Tunneling between buildings
Filtering Method	<ul style="list-style-type: none"> - One web appliance per school - Remote sites proxy to a school appliance 	<ul style="list-style-type: none"> - One web appliance per school - Remote sites proxy to a school 	<ul style="list-style-type: none"> - One web appliance per school - Remote sites proxy to a school
Software used for curricular support and filtering	<ul style="list-style-type: none"> - Filtering performed by in-line web appliance 	<ul style="list-style-type: none"> - Filtering performed by in-line web appliance 	<ul style="list-style-type: none"> - Filtering performed by in-line web appliance
Technical Support and maintenance	<ul style="list-style-type: none"> - Kaseya Management - MSCCM - Part-Time Technician 	<ul style="list-style-type: none"> - Kaseya Management - MSCCM - Full-Time Technician - Outsource Part-time technician 	<ul style="list-style-type: none"> - Kaseya Management - MSCCM - Full-Time Technician - Outsource Part-time technician
Telecommunications equipment and services	<ul style="list-style-type: none"> - Internet 150 down/60 up - Initial VoIP deployment 	<ul style="list-style-type: none"> - Internet 150 down/60 up - Initial VoIP deployment 	<ul style="list-style-type: none"> - Internet 150 down/60 up - Initial VoIP deployment

	- Voice PRI - Cellular service for emergency contacts	- Voice PRI - Cellular service for emergency contacts	- Voice PRI - Cellular service for emergency contacts
Other Services:	- Externally hosted email student - Off-Site email archiving - Off-Site server backups - External Web Hosting	- External hosted email staff and student - Off-Site email archiving - Off-Site server backups - External Web Hosting	- External hosted email staff and student - Off-Site email archiving - Off-Site server backups - External Web Hosting

2. Needs Assessment:

As a result of our needs assessment, we determined that the majority of our staff believes in the importance of integrating technology across the curriculum. Technology is enveloped into the curriculum once it shows its' place in the process. For instance, projected computer generated maps take place of outdated printed maps, while online media also offers updated to-the-minute current events.

While most of our staff is proficient in everyday computer use, such as basic office productivity and checking email we are looking to greatly increase our staff's overall knowledge based on the needs of today. Our district has echoed this by stressing 21st century skills for all students and teachers.

Student needs are based upon the State's Core Curriculum Content Standards and as well as teacher determined needs. Furthermore, student needs are determined through the specific assessments administered in grade four, grade eight, and the computer applications course at the high school level.

The Roselle Park School District aims to improve academic achievement for all students through the integration of technology by:

- Providing web-based access to instructional software, which can support all of the Core Curriculum Content Standards.
- Replacing the outdated equipment currently in classrooms and providing additional student workstations in all instructional areas.
- Increasing the capacity of technology tools to allow teachers to input and calculate grades and attendance.
- Continuing to provide appropriate professional development.
- Providing time for training and implementation.
- Use of NCLB Grant Needs Assessment to identify areas to address district-wide

3. Three Year Goals

- 1) Laptops for teachers in the Middle and High School
- 2) Servers and Clients for Virtual Desktop Deployments
- 3) Microsoft Live@Edu services
- 4) Web Server for Student Intranet
- 5) Upgrade and add computers as needed
- 6) Interactive Technology
- 7) Assistive Technology for Special Ed.
- 8) Expand wireless capabilities
- 9) Replace outdated servers
- 10) Additional Projection systems
- 11) Video Conferencing equipment and software
- 12) Web based curriculum for special needs.
- 13) Increased use of Open Source Software
- 14) POS system integrated into SIS
- 15) Replace Phone System
- 16) Student 1to1 program

4. Three-Year Implementation and Strategies Table

Three-Year Technology Implementation Activity Table				
District Goal and Objective	Strategy/Activity	Timeline	Person Responsible	Documentation
1	Assign teachers laptops in preparation for student laptop program in year two	13-14	CTO, BA, Principals	N/A
2	Initial Server and Clients for VDI to expand the device for PARCC	13-14	CTO, BA	N/A
2	Additional Servers and Clients for VDI	14-15	CTO, BA	N/A
2	Additional Servers and Clients for VDI	15-16	CTO, BA	N/A
3	Student use of Live@Edu email, online collaboration and storage.	13-14	CTO	N/A
3	Staff migration to Live@Edu email, online collaboration and storage.	14-15	CTO	N/A

4	A student run intranet within the High School providing internal, monitored and approved social networking.	13-15	CTO, Teachers, Principal	N/A
5	Replacement of PC's following the obsolescence plan for those machines not going VDI.	13-16 As- Needed	CTO	
6	Additional Interactive Technologies such as Mimio, Eno, Document Cameras, etc...	13-16 As- Needed	CTO; Principals	
7	Assistive Technologies requested as part of student IEPs	13-16 As- Needed	CTO; Director of Special Services	
8	Expansion of wireless to support mobility, flexible learning environments and PARCC	13-16 As funds are available	CTO; BA	
9	Replace outdated domain servers	14-15	CTO	
10	Projection systems needed to replace obsolete units	13-14	CTO	
10	Additional projection systems to finalize coverage	14-15	CTO; BA; Principals	
11	Use of Video Conferencing to enhance learning and offer virtual trips	13-15	CTO; Teachers	
12	Web based curriculum for special services to negate the need for homebound teachers	14-16	CTO; Director of Special Services	
13	Use of Open Source software to supplement district learning and functionality.	13-16	CTO; Teachers	
14	Replace outdated POS systems and integrate them into our existing SIS system	13-15	CTO; Lunch Staff; Principals	
15	Replace outdated phone system with off-site VoIP. Starting with remote sites and then small schools to large schools	13-16 As funds are available	CTO; BA; Principals	
16	Introduction of a Student 1to1 program to support PARCC and ease of technology replacement	14-15	CTO; BA; Director of Curriculum	

Professional Development Strategies

1. Professional development detail is needed for the first school year of the educational technology plan.

Educators' Proficiency/ Identified Need	Ongoing, sustained, high-quality professional development planned	Support
Train staff on new state /district procedures and expectations to meet AcheiveNJ evaluation and tenure reform law	<p>Distribute material and facilitate discussion April-June 2013 via SciP and building level staff meetings.</p> <p>Provide training for new staff during new/non-tenured teacher workshops (August 2013)</p> <p>Provide whole district training/PLC work sessions during September in-service days, follow training/work sessions to develop/adjust SGO during October in-service</p>	<p>Superintendent</p> <p>Building principals</p> <p>Director of Curriculum and Instruction</p> <p>Director of Special Services</p>
Developing, pacing, monitoring, measuring growth of year long Student Growth Objectives (SGOs) as outlined by NJDOE and AchieveNJ law	<p>Review district timeline established (April 2013) with administration to identify staff needs – Sept-Nov 2013</p> <p>Develop PLC work sessions in-service to monitor/track student growth informally Nov 2013-Feb 2014</p>	<p>PLC collaborative work</p>
Orton Gillingham phonics program training for 2nd grade staff – initial	Consultant currently working with staff/administration to develop baseline expectations and training/support plan for 13-14	Release time to dialogue with administration as needed
Orton Gillingham phonics program training for K-1 staff – maintenance	Consultant currently working with staff/administration to develop baseline expectations and training/support plan for 13-14	School Improvement Panel members
Balanced Literacy training for 3-8 staff – focus on using Benchmark Assessment System kits to identify reading levels and drive instructional decision making/planning.	<p>Benchmark Assessment system training for grades 3-8 scheduled; May 17, 2013</p> <p>Provide PLC work session, classroom modeling, and data analysis guidance Sept-Dec 2013</p> <p>Provide professional literature/support guidance for staff to communicate this information to parents (Reading levels added to student report cards during 12-13 school year)</p>	<p>District Mentoring Program</p> <p>Release time for informal observe of colleagues</p>
Common Core State Standards training – K-12 (ongoing)	Provide CCSS aligned curriculum documents to staff as a component of the AchieveNJ /SGO development process; Sept 2013-June 2014	
Common Core State Standards implementation – 6-8 Math - new implementation Sept 2013	<p>Provide updated curriculum resources to 6th-8th grade Math teachers chosen after careful consideration throughout 2012-2013 school year.</p> <p>Provide training/PLC work sessions to review curriculum changes, new program components, and assessment documents chosen to monitor student growth in Middle School</p>	

<p>Teachers and library media personnel have access to educational technology in their instructional areas through desktop computers, mobile labs and wireless laptops</p>	<p>Our planned on-going and sustained professional development activities will be delivered in a variety of ways.</p> <ul style="list-style-type: none"> a) Demonstrations on-site and personal tutoring by technology department staff b) District-sponsored work sessions held in our new conference area at the central office or in classrooms throughout the district c) On-site workshops conducted by third-party trainers and/or in house staff d) Attendance at off-site workshops 	
<p>Technical Staff in District</p>	<p>Our technical staff is kept up-to-date with technology through the use of forums, blogs, off-site professional development and workshops offered through both the county and state.</p>	

Evaluation Plan

6. Describe the evaluation process that enables the progress and effectiveness of goals to be monitored.

Three-Year Technology Plan Evaluation Narrative	
Describe the process to regularly evaluate this plan as <u>effectively</u>. . .	
<i>a. integrating technology</i>	<ul style="list-style-type: none">• Use of surveys• Analysis of Technology literacy scores• Percentage of students using advanced technology• Percentage of staff using technology in the classroom• Administrator and teacher feedback in technology meetings• Usage charts• Types of technology equipment requested for use in the classroom.• Use of Genesis capabilities to provide data snapshots to establish baselines and growth targets to measure the growth over the course of the year.
<i>b. enabling students to meet challenging state academic standards</i>	<ul style="list-style-type: none">• Documentation of the kinds of performance based assessments being utilized for projects incorporating technology.• Projects aligned to the Core Content Curriculum Standards
<i>c. developing life-long learning skills</i>	<ul style="list-style-type: none">• Use of web-based curricular• Online training and assessments• Performance based assessments• Literacy benchmarks

7. Describe the process to make mid-course corrections in response to new developments and opportunities as they arise.

The schools district provides ongoing professional development in areas of need based on assessment data gathered throughout the school year. The district provides three staff in-service days that are full day sessions and six in-service days that are half day sessions. During in-service days, multiple sessions are run in one or more buildings so that all possible needs currently pinpointed are met. The sessions utilize the current technology, internet resources and other technology infrastructure currently in place such as projectors, interactive technology and the wireless topology.

Funding Plan

Three-Year Educational Technology Plan Anticipated Funding Table (First Year)					
ITEM	DESCRIPTION OF ITEM TO BE PURCHASED	FEDERAL FUNDING	STATE FUNDING	LOCAL FUNDING	MISC. (e.g. Donations, Grants)
Digital curricula (see <u>NIMAS</u>)	Teachscape	\$5000		\$5,000	
	BrainPop			\$2,500	
	Reading A-Z			\$4,500	
	Stratologica			\$1,000	
Print media needed to achieve goals	Math Supplement			\$10,000	
	ESL Online Textbook and Resources			\$10,000	

Technology Equipment	Computer Lab Upgrades			\$15,000	
	Phone System			\$20,000	
	Thin Client Implementation			\$21,000	
	Teacher Laptop Program			\$48,000	
Network	Existing Internet Connections			\$22,000	
Capacity	N/A				
Filtering	Paid for in previous year			Good until 2016	
Software	Microsoft Agreement			\$16,000	
Maintenance	Maintenance Contracts			\$12,500	
Upgrades	Memory in Comps			\$5,000	
Policy and Plans	No Associated cost				
Other services	Technician Training			\$4,500	
Further Explanation:					