

**Deal School District  
Technology Plan  
2014-2017**

**District/Nonpublic School/ Charter School  
Three-Year Educational Technology Plan**

<b>Stakeholder Table</b>		
<b>Title</b>	<b>Name</b>	<b>Signature</b>
Superintendent	Dr. Michael Salvatore	
Principal	Mr. Donato Saponaro	
Technology Coordinator	Karyn Cutler	
Curriculum Director/Curriculum Committee Member	Mr. Donato Saponaro	
Teacher	Francie Illiano	
Special Education Teacher	Ms. Teresa Bendix	
Library Media Specialist		
Guidance	Ms. Claire Lucarelli	
Board Member		
Parent		
Student		

## **Mission Statement for Deal Elementary School**

### ***Mission Statement***

#### **Mission Statement**

The Deal Elementary School District is committed to providing all students with the knowledge and skills to live in a rapidly evolving technological society. To support this commitment we must provide an educational environment that integrates technology with learning. Learning in the Deal Elementary School should involve interactive learning, problem solving, information gathering and processing, and communicating with a global community. All students will reach their highest potential as demonstrated through achievement of the Common Core State Standards. It is our mission that we educate students to excel in this ever changing world.

#### **Vision Statement**

1. Technology should focus on areas where it provides a direct benefit to students based upon a defined need.
2. Computers and technology should be located where they directly promote and enhance the teaching and learning process.
3. The critical elements of staff training for effective implementation and continuing support should be interwoven into any computer integration plan.
4. A technology plan should support the total school curriculum and the connections between instruction and learning.
5. Planning should occur with an eye toward the future. Tomorrow's needs must be envisioned before plans are implemented today

## Three-Year Educational Technology Plan Inventory Table

Area of Need	Describe for 2014-2015	Describe for 2015-2016	Describe for
Technology Equipment including assistive technologies	<p>Replace obsolete workstations with newer ones</p> <p>Continue server and Wifi upgrades as needed.</p> <p>Add proctor cache for PARCC testing</p> <p>STEM Lab utilizing Mac Lab</p> <p>Student personal laptops grades 5-8</p>	<p>Replace obsolete workstations with newer ones</p> <p>Continue server upgrades as needed. Create a server closet in a secure location.</p> <p>Increase STEM Lab learning launchers.</p> <p>Increase/upgrade student laptops</p>	<p>Replace obsolete workstations with newer ones</p> <p>Continue server upgrades as needed.</p> <p>Increase STEM Lab learning launchers.</p> <p>Increase/upgrade student laptops</p>
Networking Capacity	<p>Maintain and upgrade network and instructional technology throughout the building</p> <p>Increase wireless access points throughout the building</p>	<p>Maintain and upgrade network and instructional technology throughout the building including wireless access</p>	<p>Maintain and upgrade network and instructional technology throughout the building including wireless access</p>
Filtering Method	<p>Sonic Wall (CIPA compliant web filter)</p>	<p>Sonic Wall (CIPA compliant web filter)</p> <p>Web filtering so that student laptops may be used at home</p>	<p>Sonic Wall (CIPA compliant web filter)</p> <p>Web filtering so that student laptops may be used at home</p>
Student/Management Software package	<p>Implement Genesis and train teachers and support staff</p>	<p>Evaluate system and continue training increasing teacher use and knowledge</p>	<p>Evaluate system and continue training increasing teacher use</p>
Smart Boards	<p>Add Smartboard to Spanish Room.</p> <p>Maintain current inventory and replace as needed with newer technology.</p>	<p>Maintain current inventory and replace as needed with newer technology.</p>	<p>Maintain current inventory and replace as needed with newer technology.</p>

Software used for curricular support and filtering	Type to Learn, Brain Pop, various iPad apps, Raz Kids, Writing A-Z, LinkIt, Rosetta Stone, Online Resources  Google apps with student accounts  NJ Statewide assessments	Type to Learn, Brain Pop, various iPad apps, Raz Kids, Writing A-Z, LinkIt, Rosetta Stone, Online Resources  Google apps with student accounts  NJ Statewide assessments	Type to Learn, Brain Pop, various iPad apps, Raz Kids, Writing A-Z, LinkIt, Rosetta Stone, Online Resources  Google apps with student accounts  NJ Statewide
Technical Support and maintenance	Continued use of Protected Harbor as district maintenance and support.	Continued use of Protected Harbor as district maintenance and support	Continued use of Protected Harbor as district maintenance and support

<p>Telecommunications equipment and services/Website Services</p>	<p>Currently upgraded to Optimum Lightpath with 1G internal network</p> <p>Continued use of current phone system</p> <p>Change Website providers to School Wires to upgrade website capabilities.</p> <p>Individual Teacher websites.</p>	<p>Evaluate service and adjust as needed</p> <p>Assess phone system and possibly upgrade to incorporate PA system accessibility.</p>	<p>Evaluate service and adjust as needed</p> <p>Continued use of current phone system</p>
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## **Needs Assessment**

2. The Deal School District technology needs assessment is completed through regular communication between the faculty, administration and the technology coordinator. Currently our K-8 teachers are using technology in the areas of subject matter specific to their curriculum. Our teachers use technology in many ways, including but not limited to: Smart Board and document camera integration into classroom lessons, posting homework online for students and parents, using iPads and laptops in the classroom, Internet research, use of digital cameras by students, use of Microsoft Office 2010 as a resource and a tool for instruction. The use of the Rosetta Stone computer based language lab for Spanish instruction, RAZ Kids, and Writing A-Z. The LinkIt online testing and data analysis program has provided access to immediate data to help drive instruction in the classroom.

All staff has access to a computer in their room or office. One hundred percent of our staff has access to a Smart Board at any time during the school day. Additional training is needed to fully utilize the equipment that is in place.

Students have access to technology to support the use of 21<sup>st</sup> century skills in their learning environment. All students attend classes in the computer lab. All classrooms have 2 desktop computers available for student use and there are also two mobile laptop carts that are made available to students during classes. Our students also have a mobile iPad cart that is used during classroom instruction. Students in grades 5-8 have personal laptops that they carry with them to utilize in every class.

Professional development was provided in 2014-2015 for all educators to further the effective use of technology in the classroom. Resources were introduced and shared with teachers during monthly staff meetings and the district has included staff in-service days for the 2015-2016 school year to provide additional professional development.

## **Three Year Goals**

1. Beginning with the 2014 school year the student management system will be moved to Genesis from Real Time. Administration and teachers must be trained in this new system.
2. Prepare our school for compliance with administering the Partnership for Assessment of Readiness for College and Careers (PARCC) assessment in 2015.
3. District faculty will participate in high-quality professional development activities and show proficiency in utilizing educational technology to enhance student achievement.
4. The district website will be assessed and changed annually as needed to ensure it is meeting the needs of the community.
5. A STEM LAB will be added to the library Mac Lab to provide students with hands-on-minds-on learning activities and challenge their higher level thinking skills. This lab will also be available as a classroom resource.

## Three-Year Implementation Activity Table

District Goal and Objective	Strategy/Activity	Timeline	Person Responsible
Goal 1	Implementation and training in Genesis software program to manage student data.	2014-2016	Administrators Technology Coordinator Teachers
Goal 2	Ensure hardware/software meets PARCC recommendations for state testing	2014-2015	Technology Coordinator and Support
Goal 3	Support educators in attaining the 21 <sup>st</sup> century skills and knowledge necessary to effectively integrate educational technology in order for students to achieve curriculum goals	2013-2016	Administrators Technology Coordinator Staff Developers
Goal 4	Refine the use of the district website to relay information to the school community.	2013-2016	Administrators Technology Coordinator Teachers
Goal 5	Create new STEM LAB utilizing the existing Mac lab in library	2014-2015	Administrators Technology Coordinator Staff Developers
Goal 6	Integrate new Smart technology into classrooms as current Smartboards are replaced.	2014-2017	Administrators Technology Coordinator Staff Developers



## Professional Development Table

<b>Educators' Proficiency/ Identified Need</b>	<b>Ongoing, sustained, high-quality professional development planned</b>	<b>Support</b>
Educators will be proficient in implementing technology based lessons that support standards.	On-going professional development will be provided to staff on productively implementing technology into lessons.	Technology Coordinator Online sources/webinars Out of District Workshops
To develop teacher skill in infusing technology in the instructional pedagogy through professional development.	Support professional development opportunities both in and out of district.	Administration Technology Coordinator Trainers
Teachers will use Genesis student information system to track student progress.	Teachers and Technology Coordinator will be trained in Real Time system.	Administration Trainers Technology Coordinator Online resources
Teachers will use Google Apps as a resource.	Workshops will be provided with a specialized trainer	Administration Trainers Technology Coordinator Online resources/webinars
LinkIt Data Analysis program will be utilized to administer district benchmark assessments for data driven instruction in the classroom	Workshops on the use of LinkIt and uploading tests to LinkIt Prime.  Creating district benchmark assessments to be used throughout the school year for data collection on student progress.	Administration Trainers Technology Coordinator Online resources/webinars

## Evaluation Plan Table

<b>Educational Technology Plan Evaluation Narrative</b>	
<b>Describe the process to regularly evaluate this plan as effectively...</b>	
<i>a. integrating technology</i>	The school administration, working with the Technology Coordinator will periodically and informally evaluate the amount, length and range of the staff members' integration of technology. This can be through review of lesson plans, informal observation, and conversations with the staff.
<i>b. enabling students to meet challenging state academic standards</i>	A variety of technology (tablets, laptops, Smart boards, etc.) will be utilized to enable students to meet the challenging state standards. The effectiveness of this technology usage will be assessed via both student grades and state assessments. We will evaluate the success of our use of technology via feedback on the upcoming PARCC tests.
<i>c. developing life-long learning skills</i>	The regular integration of technology into the classroom, and the use of that technology to meet the objectives of the New Jersey state standards will be assessed via a review of teacher lesson plans, classroom observations and student work products.

7. To incorporate technology appropriately and meaningfully requires constant evaluation and re-examination of the current practices. The Deal School District will identify mid-course corrections through teacher feedback and by continually staying on top of new technologies as they develop. We will continue to strive to provide the best technology to our students and staff.

## Funding Plan Table

<b>Three-Year Educational Technology Plan Anticipated Funding Table (First Year)</b>					
<b>ITEM</b>	<b>DESCRIPTION OF ITEM TO BE PURCHASED</b>	<b>FEDERAL FUNDING</b>	<b>STATE FUNDING</b>	<b>LOCAL FUNDING</b>	<b>MISC. (e.g. Donations, Grants)</b>
Digital curricula (see <a href="#">NIMAS</a> )	Annual renewal of current software			<b>X</b>	
Print media needed to achieve goals	Adobe Creative Suite Type to Learn 4 Microsoft Office SAM			<b>X</b>	
Technology Equipment	iMacs, printer, Smartboards			<b>X</b>	
Network	Server, switches			<b>X</b>	
Internet	Optimum Lightpath			<b>X</b>	
Filtering	Sonic Wall, Symantec			<b>X</b>	
Software	Client Access Licensing, Microsoft Office			<b>X</b>	
Maintenance	Protected Harbor support			<b>X</b>	
Upgrades	-				
Policy and Plans	-				
Other services	Supplies			<b>X</b>	