

Elementary School – 5-year Technology Plan

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Introduction to the Plan

This plan is to identify the current needs of a 1st grade classroom at Coronado Elementary School. I will identify the need and justification for technology in this classroom to assist students in the learning process.

The current technology has been adequate. This plan will advance our technology resources further and allow students more opportunities and experiences to enhance their learning. These technologies will be used to teach the Common Core standards. It is important our students are working with the up-to-date technology they use outside of school and not outdated technology. For young students, I believe iPads will be easier to handle and manipulate. The touch screen allows for fine motor development and easier navigation. Students will be more motivated to complete instructional activities using an iPad that inspires creativity and provides hands-on learning.

Once we achieve a 1:1 ratio of iPads to students, we can assign virtual assignments rather than having to make paper copies. This will save the money currently spent on paper and ink. By going wireless, safety in the classroom will be heightened since cords will be minimal. Using iBooks will allow our students a wider library of books to choose from without having to purchase hard copies. Students can find books at their level to differentiate instruction. With the purchase of iPads, I also recommend Apple TV and a portable projector. This will allow the teacher to walk around during instruction without being tied to the interactive projector. It also allows for instruction to take place anywhere in the classroom.

Current Analysis of the Technology

Description:	Qty:	Recommended:
Digital Camera	1	Keep- This is necessary for taking photos of students and for instructional purposes.
Printer	1	Discard
Student Laptops (Lenovo Think Pads with Windows XP operating system)	4	Keep 2 until there is a class set of 15 iPads then discard.
Teacher Laptop (Lenovo Think Pad with Windows XP operating system)	1	Keep until Apple TV and portable projector are installed in classroom then discard. This laptop is needed to run Promethean Board until then.
Promethean Interactive Whiteboard	1	Keep until Apple TV and portable projector are installed then discard.
EPSON Projector	1	Keep until portable projector is installed in classroom then discard.
ActivSlate	1	Keep until Apple TV and portable projector are installed then discard.

Purchases for School Year: 2013-2014

Description	Justification	Qty	Cost	Total
Wireless Printer	Flexibility in location; will allow printing to occur from iPads	1	\$100	\$100
HP ePrint App	Allows printing from iPad to occur via Wi-Fi	6	Free	Free
Apple iPad Learning Lab (with 10 iPad 2 16GB Wi-Fi devices)	The iPads will be used for classroom instruction to conduct Internet searches, use educational apps to teach and learn Common Core standards, and a wider collection of eBooks. These will be easier to use with students because of size, weight, and interactive abilities.	1	\$6,299	\$6,299

Total for 2013-2014: \$6,399**Purchases for School Year: 2014-2015**

Description	Justification	Qty	Cost	Total
Apple Wireless Keyboard	Allows students to type longer documents while working on correct typing form. Students must learn how to type and not just peck at the keyboard.	16	\$69	\$1,104
iPad 2 (16 GB Wi-Fi)	This will complete the classroom set and provide a 1:1 ratio with students and teacher. Almost all class assignments can now be done paperless.	6	\$399	\$2,394

Total for 2014-2015: \$3,498**Purchases for School Year: 2015-2016**

Description	Justification	Qty	Cost	Total
Apple TV	This tiny black box will stream the content on the teacher's iPad wirelessly to projector using the Wi-Fi network. This will allow teacher to circulate and monitor student activity around the room during instruction.	1	\$99	\$99
Optoma ML500 LED Portable Projector	This Apple recommended projector shows content on iPad to students in a large widescreen display. LED light source lasts over 20,000 hours while producing excellent color. Since it is portable, it saves the cost and complexity of an installation projector.	1	\$599	\$698
Apple HDMI to HDMI Cable	High-definition digital video and audio are delivered over this single cable for stunning picture and sound from Apple TV to AV receiver.	1	\$19	\$717
Training -Attend training for operating LED Projector and using Apple TV with iPad	Two hour training needed to be able to productively use the equipment.	1	\$100	\$817

Total for 2015-2016: \$817

Purchases for School Year: 2016-2017

Description	Justification	Qty	Cost	Total
Kidz Gear Volume Limiting Headphone	Made especially for elementary students, these headphones will update the current headphones that are used. KidzControl lowers volume to safe listening levels with Inline Apple remote and mic for easy control.	15	\$29.95	\$445.95
MathBoard App	Will allow for differentiated instruction in math, ranging from simple addition and subtraction to higher-level problem solving skills in word problems.	16	\$4.99	\$79.84
Brain POP Jr. App	BrainPOP Jr. content is designed to cultivate critical thinking skills and encourage children to ask questions and make connections. Covers all subject areas.	16	Free	Free

Total for 2016-2017: \$525.79**Purchases for School Year: 2017-2018**

Description	Justification	Qty	Cost	Total
Apple iPad Camera Connection Kit	Makes it easy to download photos and videos from a digital camera to the iPad for instructional activities involving real pictures or videos of students.	2	\$29	\$58
Keynote App	This will allow for engaging and interactive instructional presentations with Animated charts and transitions. It will be great for math lessons to create 3D bar, line, area, and pie charts.	1	\$9.99	\$67.99

Total for 2017-2018: \$67.99