**St. Edward School Technology Plan**

**Needs Assessment:**

St. Edward School is made up of 428 students from lower middle class to upper middle class families. Our school is diverse, with a variety of cultural backgrounds being represented. We have 2 hearing impaired students who bring their own assistive technology to school. 10% of our population has a diagnosed learning disability. Our students are well versed in technology, and 98% have internet access at home.

We have 28 teachers in pre-k through 8th grade, plus Spanish, PE, art, library, a reading specialist, a support teacher, and 3 full time aides. Our teachers receive a minimum of 3 hours of technology training annually and are given many technology tools to use in the classroom such as projectors, document cameras, Smart Boards, etc. Due to the generous nature of our benefactors and a separate technology budget, we are able to furnish computers, iPads, and many other tools in addition to the services and tools allowed for in the library budget.

Though always looking to improve, we have a good foundation in technology, with a full class set of netbooks and iPads that can be checked out through the technology coordinator, plus 27 computers in our library/media center. The school is using TEL World Book for research, and Discovery Education for videos, articles, and lesson plans for teachers. To determine which subscriptions to maintain, teachers will be surveyed and usage statistics will be obtained annually. Teachers will also be surveyed about new subscriptions that would be educationally beneficial.

**Vision:**
In our vision of the library in 2016, we would have the following products and services. This vision is made possible by our yearly library budget of $4500, plus $1500 annually from the Scholastic Book Fair.

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| --- | --- |
| **Product/Service** | **Purpose** |
| Renaissance Learning | AR comprehension, vocabulary, and literacy skills tests, Accelerated Math, STAR reading and math – all to increase student achievement |
| Discovery Education subscription | Helps teachers align lessons to Common Core and meet curriculum objectives |
| TEL World Book | Provide students with the research tools they need for free versus $600 per year for Go Grolier which was the former subscription |
| 10 eReaders for circulation and use in the library | Pique students’ interest in reading with a new device, assist those with learning disabilities or reading delays in reading successfully |
| 12 Playaways for circulation | Provide a highly engaging format for reading & comprehension, assist those with learning disabilities or reading delays in comprehending successfully |
| Ceiling Projector (in 2013 our projector is on a table top) | Make comprehension of lessons and information easier for all students with large visuals and a common focal point |
| Faronics Insight Computer Lab Control Software | “Controls” student computers so that students see what the teacher is demonstrating on their own screen, provides librarian with real-time information about what websites or software students are using, promotes collaboration and engagement. |
| Dragon NaturallySpeaking Software | Provide students with dyslexia and dysgraphia with a method of producing work without writing or typing. Provide students without the physical ability to write or type a way to share their thoughts. |
| 5 Digital Cameras | For use in creating and collaborating in class assignments |
| Green Screen with Ceiling Mount | Provide an opportunity for students to be creative in their project-based learning. The ceiling mount allows the green screen to be used more often since it increases ease of use. |

**Action Plan:**
Below is a 3 year action plan to achieve the goals for 2016. This plan must remain flexible. As new technologies become available and pricing changes, adjustments may be required. The yearly library budget is $4500, plus $1500 each year from the Scholastic Book Fair creates an annual library/media center budget of $5500.

**2013-2014**

|  |  |  |
| --- | --- | --- |
| Service/Product | Details | Cost |
| Renaissance Learning | Annually Renewable Subscription | $1750 |
| Discovery Education | Annually Renewable Subscription | $805 |
| 3 Kindle eReaders | Purchase 3 with cases at $130 each from Amazon.com | $330 |
| Kindle eBooks | Purchase 10 at $10 x 3 devices from Amazon.com | $300 |
| 3 Playaways for circulation | $40 each from Follett | $120 |
| Epson Projector | Projector with ceiling mount, cables, wall plate, and installation cost | $1550 |
| Faronics Insight Software | Requires annual renewal | $599 |

**Expenditures for 2013-2014 - $5454 ($46 under budget)**

**2014-2015**

|  |  |  |
| --- | --- | --- |
| Service/Product | Details | Cost |
| Renaissance Learning | Annually Renewable Subscription | $1750 |
| Discovery Education | Annually Renewable Subscription | $805 |
| 4 Kindle eReaders | Purchase 4 with cases at $130 each from Amazon.com | $520 |
| Kindle eBooks | Purchase 15 at $10 x 3 devices from Amazon.com | $450 |
| 5 Playaways for circulation | 5 at $40 each from Follett | $200 |
| Extra Bulb for Epson Projector | Will need after 2000 hours of use | $200 |
| Faronics Insight Software | Requires annual renewal | $599 |
| Dragon NaturallySpeaking Software |  | $749 |
| 2 Nikon CoolPix digital cameras | 2 at $104 each from Walmart.com | $208 |

**Total Expenditures for 2014-2015 - $5481 ($19 under budget)**

**2015-2016**

|  |  |  |
| --- | --- | --- |
| Service/Product | Details | Cost |
| Renaissance Learning | Annually Renewable Subscription | $1750 |
| Discovery Education | Annually Renewable Subscription | $805 |
| 3 Kindle eReaders | Purchase 3 with cases at $130 each from Amazon.com | $390 |
| Kindle eBooks | Purchase 20 at $10 x 3 devices from Amazon.com | $600 |
| 4 Playaways for circulation | $40 each from Follett | $160 |
| Faronics Insight Computer Lab | Requires annual renewal | $599 |
| 3 Nikon CoolPix digital cameras | 3 at $104 each from Walmart.com | $312 |
| Green Screen with Ceiling Mount | $724 for the roller mount, $87.50 for 9 ft. of green chroma paper to create greenscreen, from phototechinc.com | $811.50 |

**Total Expenditures for 2015-2016 - $5427.50 ($72.50 under budget)**

**Evaluation of Action Plan:**

At the end of each school year, evaluations must be made about the previous year’s purchases. Was the budgeted amount adequate or were there additional unforeseen costs? Are the items now out of date as technology has continued to change? Can some items be dropped to make money for other purchases? Do worn items need to be replaced? We must use circulation statistics to ensure that it has been wise, and will be wise in the future, to spend money on eReaders, eBooks, and Playaways. Has a better or more cost effective way to get eBooks been found? Assistive technology must be evaluated, as our school population changes from year to year. Do we now require more or different assistive technology? At the end of the three year period, a series of surveys should be sent out to teachers, parents, and students to see if needs are being met, and to see what the future needs will be. Our technology plan must be an evolving guide that fits the needs of our community each year, to help our students reach their highest potential.

# References

Araujo, M. (n.d.). *St. Edward Technology Plan 2011-2014.* Retrieved from St. Edward School: http://www.ses.stedward.org/uploads/1/1/5/6/11563595/st.\_edward\_technology\_plan\_2013.pdf

 This is the technology plan for St. Edward School where I work. Even though it was for my school, it was much broader in scope than what I was investigating. It spoke about maximizing the use of technology for learning and teaching, managing resources through the use of technology, and building and maintaining a fast, secure network. Specific measures were listed for each of those goals.

Faronics. (n.d.). *Insight*. Retrieved from Faronics Web site: http://www.faronics.com/products/insight/

 In looking at this website, I was able to see what services our school receives from Insight, as well as pricing. Although this is a useful product, it is very expensive. That will have to be evaluated in the future.

Fullerton School District. (2011, April). *Fullerton School District Technology Plan 2011-2014.* Retrieved from Fullerton School District Web site: http://fsd.k12.ca.us/files/FSDTechPlan2011\_2014.pdf

 This was an example of a technology plan on a district level. Technology plans on the district level are enormous. This is the only one I listed, because the others I encountered were out of date. The only one I could find from Metro Nashville Public Schools had an end date of 2011.

Microsoft. (2013). *Types of Assistive Technology Products.* Retrieved from Microsoft Accessibility: http://www.microsoft.com/enable/at/types.aspx

 This website was helpful in seeing what assistive technology is already available on our student computers. It also led me to the Dragon software.

Missouri Department of Education. (2013, April 1). *6 Step Process in Creating a Technology Plan*. Retrieved from Missouri Department of Education: http://dese.mo.gov/divimprove/instrtech/techplan/gettingstarted.htm

 This document was helpful in seeing the whole process of developing a technology plan with a committee, etc. I know that on our larger school level, that is how the technology plan is handled.

Nuance. (n.d.). *Dragon NaturallySpeaking for Educators*. Retrieved from Nuance Web site: http://www.nuance.com/naturallyspeaking/industries/education/

 This website gave me information about the Dragon software. This portion of the website was specifically targeted to how Dragon can help in schools - particularly with children with dyslexia and dsygraphia.