Grant - KING CAREER CENTER

Grant Section - School's Mission Statement

Note: This application is from the Anchorage School District's (ASD) Martin Luther King Career Center (KCC) on behalf of ASD iSchool. ASD iSchool is a completely online program that offers a wide array of core subjects and elective classes for high school students from across the entire district. ASD iSchool staff members are housed at KCC and the principal of KCC also supervises ASD iSchool. The mission of ASD iSchool is to provide high-quality, technology-based educational opportunities to supplement the learning options for ASD students. The ASD iSchool mission is based on the beliefs that: Learning should be dynamic and engaging. Learning should be authentic and be a result of the student's original work. Students should have choices in how they learn. Students, parents, community, and schools share responsibility for learning. Assessment should provide indicators of student progress, as well as guide future learning.

Grant Section - Description of Need

The Anchorage School District's ASD iSchool program offers online a full spectrum of rigorous and engaging online courses that fulfill credit requirements for high school graduation. iSchool online courses are asynchronous, taught by certificated teachers. ASD iSchool began in 2009 with about 300 students enrolled. Now, ASD iSchool serves over 1,200 high school students in fall, spring, and summer semesters (including 200 advanced 6th grade students taking Pre-Algebra). The overall course passage rate is 95%. These figures are a testament to the success of ASD iSchool. However, we find that about 5% of students (approximately 60 students per semester) who wish to enroll in iSchool courses lack the personal technology needed to do coursework from home. We believe that all students should have access to the rich educational resources that ASD iSchool provides, regardless of economic situation. A grant from Views on Learning will provide 63 Dell Chromebook computers with protective cases and headsets, and two mobile carts for charging/storage. ASD students who do not have a computer will be able to check one out for use at home and/or in

supervised afterschool lab sessions. This equipment will become an important resource to meet critical needs.

Grant Section - Project Description

The flexibility of online courses is important for students juggling school schedules, jobs, family responsibilities, or who may simply need extra time. With this grant, laptop computers will be available for checkout on a semester-by-semester basis for students who wish to enroll in ASD iSchool courses but who do not have their own device. This access makes education more accessible and flexible--the very nature of what online learning is intended to be. Students can use the computers anywhere. Typically, students complete the majority of their online coursework from home or from a location with internet available (e.g. public or school library, schools' Educational Broadband Spectrum mobile wi-fi hotspots as available). ASD iSchool also provides frequent face-to-face afterschool sessions at KCC and in all ASD high schools. At these sessions, students can access the internet, interact with adult helpers, take tests with a proctor, and receive technical support. Students also can engage in collaborative work with their peers, both in lab sessions and online. With this grant, about 60 students each semester who previously lacked technology resources will be able to enroll in online courses. This grant will benefit our highly mobile student population, including the children of active military members stationed at nearby Joint Base Elmendorf-Richardson. About 1,575 of our high school students are military-connected. They transfer into ASD from schools around the globe and often need to catch up on courses to meet district and state requirements. ASD iSchool and loaner computers are a key resource for these students. For example, those who arrive at their new school mid-semester can check out a laptop and start a course from the very beginning without missing anything. All of our online teachers monitor and record their students' progress. This includes enrollment, amount of time student spends on the course, grading of assignments, scores on built-in assessments, and final grades. We expect to exceed our enrollment of 1,200 students per semester and maintain or exceed our 95% passage rate.

Grant Section - Goals and Objectives

The ultimate goal of this project is to make online learning an option for every high school student in the ASD who wishes to take part. This goal aligns with Views on Learning's intention to "create an interactive distance learning community to meet the needs of the 21st Century 'Digital Natives.'" ASD

iSchool is already an interactive distance learning community; however, the program is not easily available to approximately 5% of the students who need it. Resources provided by this grant will close that gap by providing the much needed technology for students. Objective 1: Starting in the 2016-2017 school year, ASD iSchool staff will make 63 Dell Chromebook laptop computers available for checkout by students taking online courses. Objective 2: Each semester, students using the computers will enroll in at least one online course; passage rate will be at least 95%. Objective 3: Each semester, students using the computers will have access to open lab time at KCC and ASD high schools. ASD iSchool staff will track, compile, and report data for these objectives.

Grant Section - Activities and Strategies

To ensure that all students know that these valuable resources are available to them to support their online learning, the ASD iSchool team will visit all eight ASD high schools as well as the seven alternative schools that serve high school students, to inform school administrators and counselors about iSchool and the availability of computers for student checkout. ASD iSchool staff will create displays during the fall school registration period, to inform parents and students about online options. Staff will arrange check out with students in person, and students and parents also will be able to check out computers directly from the iSchool office at KCC. Technology will be available on a semester-by-semester basis, with a written agreement requiring students return the equipment to ASD iSchool in good working condition.

Grant Section - Effect on Student Learning

ASD iSchool is an important district resource because online learning is a necessary entity in today's world. The ability to provide needed technology to students throughout the district will make ASD iSchool and online learning accessible for all students--not just those who can afford their own resources. Students who want or need to do coursework online but also require extra support will have that support available to them in a lab setting with adult assistance. We expect to maintain or exceed our enrollment of 1,200 students per semester and our 95% passage rate. This project will positively impact student learning--because online learning through ASD iSchool: provides options for students with scheduling conflicts in their school day; reduces class size in traditional, face-to-face classes--which benefits both online and regular classroom students; provides academic flexibility, allowing students to pursue their passions; prepares students to be college and career ready in a global,

tech-infused society; reduces the impacts of staff reductions and re-assignments; offers summer learning opportunities for students; provides a high level of educational flexibility, enabling students to work in a self-paced, individualized, and engaging environment; accommodates military and transitioning students who are new to the district; and allows military and transitioning students to complete credits after leaving the district.

Grant Section - Evaluation

In order to evaluate the impact of this technology, ASD iSchool teachers will monitor student check-out data in comparison to semester-by-semester student numbers. Teachers will collect, compile, and report data on course enrollment and successful course completion each semester, to determine if providing quality technology increases student access and success. We will provide aggregated data to VOL as requested.

Views on Learning Budget - Anchorage School District

Dell Chromebook 11 laptop computers. Computers will be used by high school students to access ASD iSchool online courses. $297/Chromebook (ASD Approved Technology List price) x 63 Chromebooks. Price includes required Google Chrome OS Management Console License.	$18,711
Dell mobile computing carts for storing and charging Chromebooks. Each cart holds up to 30 Chromebooks. $1,425/cart (ASD Approved Technology List price) x 2 carts	$2,850
Targus Chromebook case for Dell Chromebook, to protect cases. $30.09 (Dell online price) x 63 cases	$1,896
Sony ZX Series On-Ear Headphones for Chromebooks. $19.99 (Best Buy online price) x 63 headphones	$1,259
Total:	**$24,716**

Grant - ST MATTHEW ELEMENTARY SCHOOL

Grant Section - School's Mission Statement

Saint Matthew Cathedral School will provide a Catholic Education which promotes the spiritual, intellectual, moral, social, and physical development of all students.

Grant Section - Description of Need

Saint Matthew Cathedral School (SMCS) needs to expand technology-supported learning within the classroom. Our focus is to ensure that educators are prepared to teach 21st century learners and are provided with technology resources that support teaching and learning. We recently began investigating cost-efficient alternatives to traditional interactive whiteboards. Currently only 4 of our 18 classrooms have whiteboards available and many teachers have requested whiteboards, which are not only costly to acquire and install, but require extensive and expensive professional development activities. After exploring alternatives, we have concluded that acquiring Smart TVs combined with Apple TVs integrated with iPads and other Apple devices into the instructional setting will enhance the learning environment in the most cost-efficient way. Our objective is to provide technology-rich learning environments where all learners are empowered to share, participate, and collaborate in the instructional and learning process. The acquisition of eight Smart TVs combined with eight Apple TVs will provide an exciting new dynamic approach to classroom instruction by integrating television with technology to create more engaged learning environments. This pilot project will demonstrate the impact this type of technology has upon student learning, while also providing informed data to help determine its expansion into all classrooms.

Grant Section - Project Description

Combing the Smart TV with the Apple TV can serve as a media hub in the

classroom for teachers and students. With the AirPlay feature found on iPads and Apple computers, teachers can connect wirelessly to the Apple TV. This technology allows not only the streaming image of the iPad or airplay enabled computer, but also carries the audio signal as well. This allows teachers to share media that provides both the video and audio signal to the television quickly and efficiently. Providing an innovated strategy for teachers to address the learning styles and preference of all learners Teachers can move freely around their classroom while actively controlling the presentation from their iPad or Apple laptop, which allows for increasing interaction with students. This technology will also initiate digital learning for all academic programs through a variety of tools including: Google Classroom, YouTube, and participation in virtual field trips and tours, expanding video libraries, and providing more reliable access to appropriate programs. Students will benefit directly from this technology in their classroom as well. Students can share their work remotely through the Apple TV. Without cords to connect and/or disconnect, switching images requires nothing more that the user selecting the listed Apple TV from the airplay option on their iPad and/or other Apple device. Just like their teacher, students are capable of presenting from anywhere within their classroom. This allows for groups to collaborate and share their reports with the entire class, individuals to present reports from their seats, or teachers even selecting student work to share with others in the classroom. . By integrating this technology into their daily routine educators will improve the learning experiences and provide students with more opportunity to improve academic achievement and growth significantly. Saint Matthew Cathedral School proposes to utilize the Educational Broadband Service Spectrum (EBS) by providing out-of-school access to students who do not currently have access to the Internet at home. Providing additional opportunity to conduct research activities and complete homework assignments and to expanse their learning process.

Grant Section - Goals and Objectives

To enrich and enhance what teachers are doing in the classroom by providing cutting-edge digital learning tools, which supports a wide variety of learning styles and provides opportunities for students to share, participate, and collaborate in the instructional and learning process.

Grant Section - Activities and Strategies

Smart TV combined with Apple TV will transform the way teachers teach and students learn. Teachers and students will be able to collaborate on projects,

stream projects created on other Apple devices and share with the entire class effortlessly. Through the use of learning tools that support reflective thinking and match student skill sets, students will be encouraged to exchange ideas creatively. This teaching and learning approach will revolutionize the learning experience for all students. Addressing the learning styles and preferences of all students will be more easily accomplished by incorporating different activities into the lessons by using this technology. Teachers will be able to differentiate for each student's needs and booster student engagement. . This approach to teaching will allow students to stay engaged, create, explore, and learn in new ways.

Grant Section - Effect on Student Learning

Being connected to the Smart TV combined with the Apple TV and utilizing a variety of quality content applications with interactive features available for Apple devices such as: Wuzzit Trouble (Math), Solar Walk (science), Teachley: Addimal Adventure (Math), LightSail (Reading) will enhance student understanding of content that is otherwise difficult to demonstrate with traditional instructional methods. Students will be more engaged and this will impact student learning and motivate students to be focused on learning. Teachers will be able to develop and deliver curriculum in a new format addressing the learning styles of all learners. Teachers can design lesson plans integrating iBooks Author, iTunes, Pages, Keynote, and other Apple content creation apps and project these lessons using the Smart TV combined with the Apple TV to engage all students in the process of learning. Teachers' lessons can reflect current events using video clips and weaving together traditional reading materials with multimedia content. It is a more interactive method of teaching and learning. Students will be able to expand their ability to create multimedia projects that reflect knowledge and creativity and will be able to easily share with the entire class using the Smart TV combined with the Apple TV from anywhere in the classroom. Students will be more engaged and excited about learning.

Grant Section - Evaluation

The acquisition of eight Smart TVs and eight Apple TVs will be installed in eight classrooms in grades first through eighth. Approximately 176 – 200 students or 48 to 55 percent of our students will be enrolled in this project. Teachers will integrate this technology into their daily routine. The SMCS Technology Committee will create a measurement of student skills addressing 21st century competencies for evaluating skills and knowledge students need to learn. By creating an up-to-date measurement of students' technology skills and knowledge, we will be able to assess the power of technology to help facilitate

and advance change while continually improving our educational program. The SMCS Technology Committee will create a Skills Survey to evaluate the skills and knowledge educators need to teach, work, and learn. This survey will assist us in being proactive in addressing the needs of the teachers and designing a technology professional development plan to meet those needs. The SMCS Technology Committee will review NWEA student performance data to assess student progress at the end of the 2016-17 academic year for students that utilized this new technology with test results from the previous year to determine the level of proficiency in reading and math scores.

Views on Learning Technology Grant Budget

Item	Quantity	Price	Total Cost
65" Smart TV- HD	8	$1,500.00	$12,000.00
Apple TV- 64 GB	8	$159.00	$1, 272.00
Mounts, Hardware, and cables	8	$136.00	$1,088.00
Installation (Labor)	16 hours	$40.00 /hr.	$640.00
Grand Total			**$15,000.00**