

Statement I: Project Description

This proposal is submitted for funding the Computer Technology Lab, Interactive Classroom and Portable Lab Programs at Bayshore Christian School (BCS). The objective of these programs is to:

- Update Bayshore Christian School (BCS) technology to prepare the work force of the 21st century fulfilling the requirements of the NETS 2007 standards with its multicultural middle to lower class enrollment.
- The current computer lab needs updating to bring technology of the 21st century to all students, particularly the high school which is preparing immediately for employment and productivity in higher education (99% of graduates proceed on to college).
- Creative approach to the interactive classrooms at all levels would expand the teaching methods to include students with additional learning styles.
- A portable lab of notebooks would allow teachers to expand the hands-on knowledge of all subjects to incorporate resources outside their local classrooms using cloud technology reaching real world applications and problem solving.

Statement II: Benefits to Students

The benefit of computer technology in any school is well documented to create learners that progress further faster. As our world is so automated and life is enhanced with daily doses of technology, the next generation of scientists, inventors, businessmen, and doctors need to be so completely comfortable with the use of technology that they envision bigger solutions for a world that will face greater challenges.

Technology breaks down the barriers of traditional time and space. This generation will not think "how can I get there", but know it only requires the press of a button; and perhaps, may even create a new form of technology to meet the unseen needs of a future generation.

Fully aware of this need BCS desires to break out of the small box necessitated by our limited finances and reach forward into the limitless world resources of knowledge this partnership with ING could provide. With our intimate classroom size (1 to 15), the teacher already has the opportunity to work individually with students, but not in the area of technology. Students in the lowest grade levels have a single classroom computer to share. For elementary through high school levels there is one computer lab with 12 stations, and there are 10 stations in the research library (all of which need updating). The interactive classroom does not currently exist in any form in most of our school. We have moved forward slowly purchasing our first ELMOS this year for science classrooms but desire to expand that to all class levels with projection instruction. The interactive classroom technology, as we have presented it, will also expand to cable resources on television and video production courses to school-wide presentations at all levels. The school has already purchased and installed the school-wide cabling required for this technology along with a high speed Wi-Fi connection. Currently students may bring their own laptops with wireless function from home if they have a school need, but most of our students do not have that availability. This technology would level the field for all students to access information.

While most schools are using SmartBoard technology, this technology is very expensive and our school-wide need is great. Creatively thinking outside the box, we have developed a plan that would allow an HDTV to be used with DVD and wireless adaptor and instructor AIR mouse with our current whiteboards and instructor systems school wide. This would allow not only the display of anything on the teacher system which includes all presentation software, internet, web accessed instructional materials, but also educational cable access and inner school video/broadcasting productions. Coupled with the use of an **ELMO** opaque projector and **iClicker** class response system we believe that more detailed and creative instruction will be the result, which in turn creates excited and well educated future citizens and consumers.

Measurements:

The programs will be measured as follows using the NETS 2007 student standards as a performance guide. Pre-K – 5th graders will be tested by observation of their instructor on a one-to-one basis or direct testing on subject material covered using the materials. Upper grades 6th – 12th grades will be evaluated on how they utilize the computer systems to perform tasks required for subject matter courses in the form of digital media group projects and presentations. Their knowledge of system forecasting of trends will take place in the formal computer courses tracked by the technology instructor.

Statement III: Use of Funds:

\$2000 awards	Amount	Qty	Total
<i>iClicker response system</i> -32 remote kit	\$1779	1	\$1779
Additional base receiver kit	\$400	1	\$400

Additional \$5000	Amount	Qty	Total
<i>Portable Lab</i> - Laptops	\$330	15	\$4950

Additional \$10,000	Amount	Qty	Total
<i>Upgrade Computer Lab</i> Business grade computer systems with LCD monitors	\$850	12	\$10200

Additional \$25,000	Amount	Qty	Total
<i>Interactive Instruction System –</i>			<u>\$18700</u>
HDTV 42-46"	\$600	17	\$8500
DVD	100	17	1700
Wall Mount	100	17	1700
Wireless Video Adaptor	200	17	3400
Wireless AIR mouse	100	17	1700
ELMO opaque projectors	\$575	11	\$6325