

Situation Analysis Campus Infrastructure

(Not overtly visible things)Electricity, Cooling systems, Water, Technology (computer, electrical equipment, communication systems)

Rationale: Infrastructure helps us do our jobs better; so that we can concentrate on CIA; have technology support what we do in the classrooms

Present Situation	S. W. O. T				Our Alternatives
	Strengths	Weakness	Opportunities	Threats	
<ul style="list-style-type: none"> ❖ Some teachers, staff and students are technologically challenged – therefore, skill level cannot improve and attitude is negative ❖ Macs dying on campus – making do with what we have ❖ eSIS – we will be switching over to PC platform and program July 2008 ❖ No Tech Coordinator; Currently with Tech Team but don't know structure in years to come ❖ Less tech frustration due to new tech team, tech form and procedures ❖ Renovation slated for January 2009 – an opportunity to be innovative and make changes to room configurations 	<ul style="list-style-type: none"> ❖ New wireless bell system ❖ Electrical system seems adequate for what we have, but we can't move beyond that ❖ Water pipes were redone ❖ Sprinkler system in Amphi. and Front lawn, and Football field. ❖ PA system works for 70% of the school ❖ Telephones – one in every classroom ❖ Computer access in every room ❖ CTCI-(Classroom Teacher Computer Initiative) will be deployed this school year ❖ Tech team in place ❖ Field tested Online course. IAAK 	<ul style="list-style-type: none"> ❖ Not every classroom has a Mac and or PC ❖ Not every classroom can hear the PA system (30%) ❖ Historical building – can't make major changes without a lengthy process ❖ Lighting in classrooms, around campus is weak ❖ Some teachers are not knowledgeable and have a negative attitude or fear about technology ❖ Not everybody checks lotus notes daily or consistently ❖ Electrical system is weak and prevents growth, cannot get anymore juice without upgrade from HECO 	<ul style="list-style-type: none"> ❖ Businesses are willing to partner with us ❖ HCC is currently partnering with us for Kuder Prog. ❖ UH-Manoa, Gear up on line courses for advancement, credit recovery and more.... ❖ Alumni groups are supportive of our technology needs 	<ul style="list-style-type: none"> ❖ Need for greater amount of electricity ❖ Political or legislative threats—loss of funding, bureaucracy ❖ Structural integrity of buildings ❖ Openness of campus is a greater security risk 	<p style="color: blue; margin: 0;">Data Needed</p> <ul style="list-style-type: none"> ❖ Who passed the summer math online course and how are they doing now? ❖ Electrical analysis of the school <ul style="list-style-type: none"> ○ How much power do we use now? How much more do we need? ❖ Use of lotus notes – do a survey or test of email with return receipt ❖ Good estimates of the cost of things – new equipment, programs. ❖ Survey of current computer locations on campus and their uses ❖ Comparable schools or businesses: technology needs or plans

Present Situation	Strengths	Weakness	Opportunities	Threats	Our Alternatives
<ul style="list-style-type: none"> ❖ Sharing of tech use on campus (i.e. JROTC demonstrating their use of SMARTBOARDS) ❖ Computer lab in I-203 – new computers ❖ New Library Computer Lab– 30 stations ❖ Labs are being used beyond the school day (tutoring, after-school, summer school, etc.) ❖ Some unethical or unauthorized uses of technology by students and teachers (i.e. DOE Firewall security (content filter) is easy to circumvent, students were able to get onto My Space) ❖ Yet, students are using technology for their fun but may not be capitalizing their knowledge in our curriculum ❖ New opportunities to talk to staff about technology (monthly tech tips) ❖ Summer 2007 Online Math <i>It's All About Kids</i> ❖ WIN/SNAP Lunch system is on old Pentium 4 (Windows 2000) - ready to die a slow death ❖ Computer Lab (A209) - 256mb of memory (XP pro- New computers had 	<ul style="list-style-type: none"> ❖ 3 computer labs on campus – library, A209, I-203 ❖ Lotus notes system in place ❖ We have a working system (doesn't go down as often as other schools) ❖ We are able to generate thousands of IP addresses out of 44 (yea! Tech team) ❖ Many students are proficient users of technology - My Space, cell phones, blogs, etc. ❖ New devices, like SMARTBOARD, already used by some teachers on campus ❖ Tech team is willing to provide teacher training and participate in development of tech plan ❖ Allocation in place for security cameras. 	<ul style="list-style-type: none"> ❖ State gives us IP addresses and we are only given a specific number (44) for the entire school. ❖ WEB site not being updated on regular basis ❖ Rogue staff members: who add or make changes to the system without permission 			<p>Risks</p> <ul style="list-style-type: none"> ❖ Over reliance on state funding ❖ Being innovative is a high risk esp. in constantly changing tech improvements ❖ Turn over of people – if we rely on one person too much <p>Benefits</p> <ul style="list-style-type: none"> ❖ Increased student learning ❖ Better communication at school and with community ❖ Loss of negative attitude ❖ Increased collaboration: More partnerships among the faculty ❖ Increased student pride ❖ School will be forward thinking, keeping with the future ❖ Better prepare our student for life <p>Costs</p> <ul style="list-style-type: none"> ❖ Time ❖ Expensive Equipment – a risk to become obsolete ❖ Updating infrastructure <p>Probability of success (Can we fix this problem)</p> <ul style="list-style-type: none"> ❖ Yes, hopeful ❖ Good probability for short term goals ❖ Risky for long term

Present Situation	Strengths	Weakness	Opportunities	Threats	Our Alternatives
<p>insufficient memory so additional \$7,000 needed for upgrades –esp. if looking at supporting online courses</p> <ul style="list-style-type: none"> ❖ Don't have enough electricity to support technology (i.e. no electricity to install air conditioners throughout campus to help prolong life of computers) 					

Action Initiative Plan
Campus Infrastructure

Team Leader: A. Kikkawa Team Members: S. Koo, L. Otaguro, A. Root, S. Goo, C. Fukada, D. Carlson, E. Aguilar, O. Tagami, Brian (Tech Team) Champion: Arnie Kikkawa, Wendy Horikami	Action Initiative 4B
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Concerns:












- Equipment failure causing loss of time and work.
- High cost of new equipment, fixing and upgrading existing equipment.
- Labor hours of initiative or requests, special request
- "Wild, Wild West" on the internet
- Lack of funding directed at technology





Benefits

- Less down time of the system
- Increased productivity
- Students will be better prepared for future success.

Deliverables:

- An authentication and identification system in place
- A strategic plan of acquiring hardware and software that supports the school
- A systematic, focused and timely plan to share the current uses of technology in the classroom with each other
- A web-based site where information is shared amongst stakeholders
- An array of online courses available for students
- A computer academy that prepares their completers with the skills to support on-campus issues and move onward to post secondary opportunities

Action Steps	By?	Today's status	Accountability	Monthly Evaluation	
<p>Objective: Develop a master plan on renovations, upgrades, etc. to support the school's efforts and maximize its resources</p>	<ul style="list-style-type: none"> • Generate a school plan (which includes time frame, budgets needs for school wide and departmental needs, physical space needs) to acquire appropriate hardware and software to support the maintenance of current infrastructure while planning for upgrades in the future (Wireless hot spots? Paperless school? Online & E-FHS? Faculty offices? <ul style="list-style-type: none"> ○ Upgrade the system to generate more IP addresses ○ Implement the use of an Identification and Authentication system that includes RFID cards for all. ○ Evaluate the capabilities and capacities of the current computer infrastructure. • Determine electrical consumption on campus • Work with area legislators to lobby for funds to upgrade the campus (that addresses infrastructure, sinking building, larger HECO transformer, etc.) 	<p>June 2008</p> <p>Ongoing</p> <p>Year 2 (Implement) Year 3 (RFID cards)</p> <p>June 2008</p> <p>June 2008</p> <p>Ongoing</p>	<p></p> <p></p> <p></p> <p></p> <p></p> <p></p>	<p>VP/Admin, Tech Team, Jim Takatsuka</p> <p>Costs TBD = Yearly, Software, Hardware, Personnel</p> <p>Tech Team, VP/Admin, J. Takatsuka</p> <p>Implement = \$12,000 RFID Cards = \$5,000 first year; subsequent years \$3,000 each</p> <p>Tech Team</p> <p>VP/Admin, D. Furuhashi</p> <p>Admin.</p>	<p>Compliance with objective</p> <p></p> <p>Compliance with cost</p> <p></p> <p>Compliance with schedule</p> <p></p> <p>Special Resources Needed</p> <p></p>
<p>Move towards a paperless system with more information being shared throughout the school.</p>	<ul style="list-style-type: none"> • Evaluate, select, and implement a web-based program where class and student information can be posted and accessed with possible links to online resources/tutoring (i.e. Power School, Snap Grades, Class Roll). <ul style="list-style-type: none"> • Evaluate • Select • Implement 	<p>April 2008 June 2008 December 2008</p>	<p></p>	<p>VP/Admin, Tech Team, V. Escajeda, J. Takatsuka</p> <p>\$15,000</p>	

Action Steps	By?	Today's status	Accountability	Monthly Evaluation	
Move towards a paperless system with more information being shared throughout the school. (con't)	<ul style="list-style-type: none"> • Create and implement a staff website portal with access via Identification and Authentication system • Bulletins, Repairs, PO's, Referrals, Field Trips, • Sign-Ins, Sign-Outs, Leaves, • Funds and Fees, Obligations 	July 2008 (No ID & Auth. Necessary) June 2009 June 2009		Admin./Tech Team./V. Escajeda Year 2: \$5,000 for Personnel	
Explore the creation of a computer/ technology academy that prepares students for certification and supports the school – hardware repair and software education.	<ul style="list-style-type: none"> • Work with New and Existing Academy Development circle to develop a "Computer R & M" program within the Building and Engineering Academy 	December 2008 for possible start SY 2009		VP/Admin, New Academy Circle Year 3: TBD	
Explore and expand opportunities for students to gain credit through online courses/workshops	<ul style="list-style-type: none"> • Work with other organizations (like Gear-Up, It's All About Kids, etc.) to increase available online classes • Develop and sustain computer labs on campus to support online courses 	Ongoing Ongoing July 2009 for additional lab, possibly A253 (current: A209, A272, I-203, library)		VP/Admin VP/Admin, Tech Team, Registrar Year 2: \$25,000 for new lab	
Continue to educate everyone about the effective and ethical use of technology GLO #6 and develop a culture that supports it	<ul style="list-style-type: none"> • Create a cadre of staff members or students and develop a PD plan to address tech concerns, educational topics, etc. • Work with A Fresh Foundation to incorporate GLO #6 into curriculum 	April 2008 Ongoing, complete by June 2008		A. Kikkawa, W. Horikami, S. Goo, Tech Team Year 2: \$2,500 for stipend of PTT	

Action Steps	By?	Today's status	Accountability	Monthly Evaluation
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