Columbia (Walla Walla) School District
CSD District Tech Plan
5/12/2008

District Technology Plan

Columbia (Walla Walla) School District
2007 - 2010

Technology Vision Statement:

Core Values

Shared commitment to continuous improvement
Honesty and Integrity
Ownership and accountability for ones actions
Relationships as central to our efforts
The student as the focus of our work
Collaboration for innovation
Core Purpose

Leading students to achieve productive, satisfying lives.

Our Core Business

In partnership with our community, our core business is to provide relevant, and challenging work that engages students so they persist when experiencing difficulties and feel a sense of accomplishment when they succeed.

Our Big Goal

The Columbia School District is recognized nationally as a model professional learning community that promotes individual growth for both students and staff.

Our Vision

The Columbia School District; shaping the future through…..
a commitment to continuous improvement,
quality engaging work,
technology, and
a focus on each student.
In order to…
create students who thrive in a global society.
The Future is now!!!

Action Plan:

Goal:	Student Technology Literacy Goal
SMART Goal:	The combination of students ranked at Tier 2 or 3 on the 8th grade Student Technology Literacy self-assessment survey will increase by at least 3% per year compared to the previous year's survey with a total increase of 9% by 2010.
Strategy:	Develop and implement Columbia Elementary K-5 & 6-8 Scope and Sequence as monitored by the completion of a Technology Benchmark Sheet.
Rationale:	Research suggests that when technology is integrated into larger instructional frameworks, students will not only learn how to use the equipment and software, but will also gain content knowledge (Silverstein et al., 2000)

Activities/Task	Professional Development	Timeline	Resources Amount / Type / Description / Funding Source	Who is Responsible?	Monitoring Effectiveness
Develop and implement a 6-8 Technology Scope and Sequence. Once the set of skills is written, teachers will incorporate the skills into their classroom teaching, encouraging students to responsibly use	Form a committee to research and develop this document. Committee will present finished document to middle school teachers.	8/29/2007 - 6/11/2010	4000.00 / Training Costs / Release time for 5 committee members (2 days each year) / Curriculum	Middle school representatives, Curriculum director, Technology Integration specialist	Comparing year to year results of the PILOT jr online Technology Literacy survey for students

technology to research, create, communicate and problem solve					
Develop and implement of Columbia Elementary K-5 Scope and Sequence as monitored by the completion of the Technology Benchmark Sheet which shows which technology skills students have learned throughout the school year. Students complete "recommended assessments" to demonstrate skills.	Building based training on technology integration. Support from Building Technology Integration Leaders in learning communities.	8/29/2007 - 6/11/2010	100.00 / Materials / Print Materials / Building Budgets	Elementary teachers and media specialists, Administrators, Building Tech Integration Leaders	Review of Technology Benchmark Sheets submitted to principals at the end of the year.

Procedures for evaluating success in reaching this goal Evaluation Procedure: Review of Teacher-submitted Technology Benchmark Sheets

Strategy: Move towards utilizing and training K-12 media specialists as a school resource in order to improve student technology literacy.

Rationale: Since Media Specialists work with all students in a school, the potential for impact in the area of technology and information literacy is great.

Activities/Task	Professional Development	Timeline	Resources Amount / Type / Description / Funding Source	Who is Responsible?	Monitoring Effectiveness

Conduct Media specialist training sessions in order to explore strategies and resources needed to teach about Social, Ethical, and Human issues, and Research Tools as they apply to the use of instructional technology.	Media Specialist training on internet safety and research skills curriculum and resources: 4 half day sessions conducted by Curriculum director and Instructional Technology specialist.	8/29/2007 - 6/11/2008	2700.00	/	Training Costs	/	Release Time for Media Specialist trainings.	/	Curriculum budget	Media specialists and Instructional Technology Specialist	Establishment of an internet safety/information literacy curriculum for media specialists to use with students. Compare PILOT survey results for media specialists year to year.
Media specialists will implement instruction of Social, Ethical, and Human issues, and research skills as they apply to the use of instructional technology. Students will explore Internet safety concepts and practice effective research practices as they visit the media centers.	Ongoing discussion and training at monthly media specialist meetings.	8/29/2008 - 6/11/2010								Media specialists and Curriculum director, Instructional Technology Specialist	Comparing year to year results of the PILOT jr online Technology Literacy survey for students, and the PILOT survey for the media specialists. Year end survey of library/media specialists on the implementation of Internet safety/ Information Literacy curriculum.
Procedures for evaluating success in reaching this goal Comparing PILOT survey results for students.											
Goal:	Teacher Technology Integration Goal										

SMART Goal: The total number of teachers ranked at Tier 2 or 3 on the PILOT Technology Integration Survey will increase by at least 5% per year compared to the previous year's survey with a total increase of 15% by 2010.

Strategy: All Columbia SD teachers will participate in professional development in the area of Technology Integration. The goal will be to provide teachers with skills and strategies that will allow them to use technology tools to teach the standards.

Rationale: In a report examining over 300 studies of technology use, authors concluded that teacher training was the most significant factor influencing the effective use of educational technology to improve student achievement. (Sivin-Kachala & Bialo, 2000)

Activities/Task	Professional Development	Timeline	Resources Amount / Type / Description / Funding Source	Who is Responsible?	Monitoring Effectiveness
Identify and train teacher technology integration leaders in each building	Teacher leaders from each building will participate in at least 3 technology integration trainings throughout the school year	8/29/2007 - 6/11/2008	10000.00 / Training Costs / Teacher release time. / Curriculum budget/Tech levy 800.00 / Training Costs / Technology training consultant / Curriculum Budget / Tech levy 600.00 / Materials / Books, Print Materials / Curriculum Budget / Tech levy	Teacher leaders (1-2 per building), Instructional technology specialist, building admin.	Increase of percent of teachers at Tier 2 and 3 based on PILOT survey results.
Each building will schedule at least one site-based technology-centered training per year. The focus of these trainings will be to encourage teachers to utilize available technology tools to help their students	Administrator will schedule training based on building needs/goals. This will be conducted by District Instructional Technology Specialist and/or Building Tech	8/29/2008 - 6/11/2010	80.00 / Materials / Print Materials / Print Budget	Bldg. administrator, Building Tech, Instructional Tech. Specialist, Teachers	Increase of percent of teachers at Tier 2 and 3 based on PILOT survey results. Creation of technology integration lesson plans posted on district website. Analysis of visits to the lesson plan website.

master skills in all content areas.	Integration Leaders.

Procedures for evaluating success in reaching this goal Compare results of the PILOT Technology Integration survey from year to year in addition to reviewing records of building based technology trainings.

Strategy: Align current and new curriculum adoptions with Technology Integration components and provide training support.

Rationale: Student engagement remained highest when technology use was integrated into the larger curricular framework, rather than being an "add-on" to an already full curriculum (Sandholtz et al., 1999)

Activities/Task	Professional Development	Timeline	Resources Amount / Type / Description / Funding Source	Who is Responsible?	Monitoring Effectiveness
Consideration of technology integration will be a key component of all curriculum adoptions.	Curriculum committees will be lead in developing adoption criteria that include technology integration components.	8/29/2007 - 6/11/2010	0.00 / Other / None required / None required	Curriculum adoption committees.	That all future adoptions include technology resources.
Building Technology Integration leaders will develop lesson plans that integrate technology into adopted curriculum in all grade levels. They will then share these lessons with their buildings and the rest of the district	Technology Integration Leaders will be trained in lesson design and strategies in forming collaborative building based groups. These leaders will meet 3 times each year. The leaders will	8/29/2008 - 6/11/2010	20000.00 / Training Costs / Teacher release time / Curriculum Budget / Tech levy 800.00 / Training Costs / Training Consultant / Curriculum Budget / Tech levy 80.00 / Materials / Print Materials / Print Budget	Curriculum director, Instructional technology specialist, Teacher leaders, Building administrators	Increase of percent of teachers at Tier 2 and 3 based on PILOT survey results. Creation of technology integration lesson plans posted on district website. Analysis of visits to the lesson plan website.

by posting them on the district website for teachers to use with their students.	then form learning communities at their schools to support the implementation of the lesson resources.

Procedures for evaluating success in reaching this goal Compare results of the PILOT Technology Integration survey from year to year.

Inventory: **Yes** The district has completed the current online technology inventory and will continue to do so annually.

CIPA Compliance: **Yes** The district has completed the current Form 479 and will continue to do so annually.

District-Level Network and Telecommunications Plan - Part 1

District Technology Standards: Columbia School District maintains a hybrid network, utilizing both PCs and Macintosh computers. Our minimum specifications are:
PC: Pentium II/III/IV/Celeron/AMD; 350 MHz or higher
Macintosh: iMac, eMac, PowerBook G3/G4, iBook, or Mac G3/G4/G5; 233 MHz or higher Macs
Minimum specs for servers: Web services, Mail services & File services – Pentium III

Software used district-wide with main function noted:
Databases FileMaker Pro, AppleWorks
Spreadsheets MS Excel
Presentation MS PowerPoint
Word-processing MS Word, AppleWorks
Desktop Publishing MS Publisher and PageMaker
Vax Communication VersaTerm (Mac) and Reflections (Windows)
E-mail GroupWise
Antivirus Command Antivirus
Student Information System WesPAC (WSIPC)
Web Development Macromedia Studio

In addition, a number of miscellaneous and specialized software packages are used at specific grade levels. Our goal is to reduce the number of unique software packages used district-wide to reduce support costs.

Budget Summary: $275,000 Tech levy -- end date 2010

New equipment, software renewals, upgrades and salaries are paid from levy funds

District-Level Network and Telecommunications Plan - Part 2

E-Rate – Priority One Requests

Voice, Data, Video and Other Priority One Capabilities	Purchase / Budget / Potential Funding Source(s)
Migration from ISDN-based video conferencing to IP-based.	Funding source will be CSD tech levy. Increase cost from K20
Study upgrade from existing PBX phone system to VoIP-based phone system. VoIP allows for reduced cost telephone service and ease of remote technical support	Need to locate service providers of service in local area and conduct price comparison of those service providers
Study Additional Second T1 communications line for additional bandwidth	Need to locate service providers of service in local area and conduct price comparison of those service providers

How will these services support your district's learning goals? These services will support our district's learning goals by allowing access to online resources, multimedia resources, and communication tools that will increase the number of students who are utilizing technology at a Tier 2 and Tier 3 level to improve their knowledge and skills. It will also support school/home communications between teachers and parents.

E-Rate – Priority Two Requests

Hardware/Software/Support	Purchase / Budget / Potential Funding Source(s)
Purchase Cisco PIX/ASA firewall – this will allow for additional security for the district network and provide increased reporting functions which include bandwidth monitoring and better Internet filter control	$6,000 – Tech Levy

Purchase IP based video conferencing system – allows for portability, brings VC into the classrooms	$3,000 – Tech Levy
Secondary Windows server – New Outlook/Exchange Email system and Student/Staff storage solution	$6,000 – Tech Levy

How will these technology elements support your district's learning goals?

These services will maintain a reliable network which will support student and teacher access to the Internet and our network, giving them access to communication tools and online information outside the school walls in support of their learning. By having access to these tools we are able to train our students to become lifelong learners and seekers of information.

Maintenance, Upgrade, and Support Strategies

Description of Maintenance/ Upgrade/Support Strategies	Purchase / Budget / Potential Funding Source(s)	Timeline
Continue yearly renewals of Follett, Novell, Lightspeed, AR/AM, Command Antivirus, Subfinder & Smartnet	Tech Levy Funds – $12,000	2007-2010
Develop 3-4 year Rotation schedule of desktop/laptop computers	Tech Levy funds – as available	2007-2010
Continue to use Student based help with technology support. --Possible part time Technology assistant. additional support staff reduces down time for staff and students	Tech Levy funds – As available	2007 – 2010

How will these strategies support your district's learning goals?

These methods and strategies will provide faster support to the user by reducing complexity at the desktop, and provide a more stable infrastructure on which to work.

Process to Review and Update Your Entire Technology Plan

Progress Evaluation and Update Activities/Objectives	Person/Team Responsible	Timeline
Develop a Technology Committee to meet three times a year in order to be updated on the progress of the Technology Plan. The Technology Director will be responsible for presenting this information. The School Board will receive technology updates at least once a year. Information presented will be: PILOT	Future Tech committee and Technology Director	The Technology Committee will meet in October, January, and April.

survey data for students and teachers, repair and replacement costs, and overall summary progress toward goals.		

Additional Material Documents Uploaded
No Documents Uploaded

Building Technology Plans

Columbia High School
2007 - 2010

Action Plan:

Goal:	Tier 3 Classroom Environments
SMART Goal:	Tier 3 Classroom Environments will be supported by the District Smart goals and Columbia High School Building strategies and activities, thus increasing the number of Tier 2 and Tier 3 teachers and students, on the self assessment surveys, to 15% and 9% respectively by 2010.
Strategy:	Emphasize clear and compelling content standards and opportunities for affirmation in classroom lesson design.
Rationale:	Technology is most effectively integrated into instruction when educators and education decision makers support the development of instructional lessons and units that use technology to extend and reinforce core curricula. Means, B., & Olson, K. (1997).

Activities/Task	Professional Development	Timeline	Resources Amount / Type / Description / Funding Source	Who is Responsible?	Monitoring Effectiveness
Continue to improve all lessons to incorporate design standards. Assess and document where technology standards are	Use and management of new technologies. Training in procedures used to get teacher and student work on the web	4/25/2007 - 4/25/2008	16000.00 / Hardware / Update PC lab computers as needed. Update secondary lab computers as needed, / Tech Levy	Building Technology Coordinator Trained staff	Course Evaluation Princ. Observation Tech Director survey of student work posted on the web.

addressed.	more easily.												
Assemble a collection of computers, available for student check out for coursework	A check-out protocol/system and an evaluation system created by librarian	8/29/2007 - 6/11/2008	6000.00	/	Other	/	Repair Funds	/	Building budget / Tech Levy			Tech Coordinator/ Library media director	Number of computers checked out, evaluation form for students regarding what they used the equipment for.
Emphasize clear and compelling content standards and opportunities for affirmation in classroom lesson design.	PD on collaboration and lesson evaluation protocols	8/29/2007 - 6/11/2008	2000.00	/	Training Costs	/	Trainer/Consultant	/	PD funds			Principal Collaboration groups	Princ. Observation Collaboration protocols.
Use technology (hardware and software) for instruction delivery and student performance. Build student-directed presentations utilizing building technology in each class' assessment	Use and management of new technologies. Training in procedures required to teach presentation formats	8/29/2007 - 6/11/2008	10000.00	/	Hardware	/	Replace classroom computers, projectors and document cameras as their lifespan completes.	/	Building budget / Tech Levy			Trained staff	Course Evaluation Princ. Observation Tech Director survey of student work posted on the web
Develop and implement a 'required' computer course at the	A committee to create the compulsory curriculum, decide grade	8/27/2008 - 6/11/2009	4000.00	/	Other	/	build the course in at the fitting grade	/	tech levy, PD funds, curriculum fund			A technology instructor	Student proficiency in technology skills, ability to implement

appropriate level, teaching needed network skills, research skills, recognition skills.	level and outcomes. PD for staff members sitting on the committee, PD for instructor(s) teaching this course.		level.		course requirements.
Add paper-less checkout materials to library, along with an increase in the number of computers available for student check out.	Presentations to/by staff describing what materials are available and/or appropriate for student use.	8/28/2008 - 6/11/2009		Building Technology Coordinator Library Media Director	Number of computers and additional materials checked out, evaluation form for students regarding what they used the equipment for.
Emphasize clear and compelling content standards and affirmation in lesson design.	PD on collaboration and lesson evaluation protocols	8/28/2008 - 6/11/2009	2000.00 / Training Costs / Trainer/Consultant / PD funds	Principal Collaboration groups	Principal. Observation Collaboration protocols.
Use technology (hardware and software) for instruction delivery and student performance. Opportunities for affirmation thru presentations, performances,	Assess, monitor and direct staff training to their needs.	8/26/2009 - 6/11/2010	2000.00 / Hardware / projector /document camera replacement / Tech Levy	Columbia HS staff / Principal / and Tech Director.	Collaboration protocols. Online Survey.

VC and work on the WWW
Procedures for evaluating success in reaching this goal Princ. Observation Collaboration protocols.

Columbia Middle School

2007 - 2010

Action Plan:

Goal:	Tier 3 Classroom Environments
SMART Goal:	Tier 3 Classroom Environments will be supported by the District Smart goals and Columbia Middle School Building strategies and activities, thus increasing the number of Tier 2 and Tier 3 teachers and students, on the self assessment surveys, to 15% and 9% respectively by 2010.
Strategy:	Analyze tech literacy goals from OSPI and design a 6-8 program that ensure students have the necessary Technology skills.
Rationale:	Research suggests that when technology is integrated into larger instructional frameworks, students will not only learn how to use the equipment and software, but will also gain content knowledge (Silverstein et al., 2000).

Activities/Task	Professional Development	Timeline	Resources Amount / Type / Description / Funding Source	Who is Responsible?	Monitoring Effectiveness
Analyze tech literacy goals from OSPI and design a 6-8 program that ensure students have the necessary skills.	PD time during building staff develop to analyze and design plan.	8/29/2007 - 6/11/2008	1500.00 / Training Costs / Time spent developing the plan / GEAR UP	Technology Director CMS Staff Principal	Course Evaluation Principal Observation Pilot self-assessment survey
Develop high quality product outcomes for students in the Multi Media classes	PD on how to develop lessons that call on students to use	8/29/2007 - 6/11/2008	500.00 / Hardware / Upgrade RAM and software in Multi Media lab. Headset, microphones, / building budget / GEAR UP	Principal Multi Media Teacher	Course Evaluation Principal. Observation

	technology.							color printer, scanner						
Encourage the individual development of each teacher in their understanding and skills in regards to technology with quality PD.	A number of training series that visit and revisit tech subjects to improve the staff members understanding of general technology. (Word, PowerPoint, Excel)	8/29/2007 - 6/11/2008	5600.00	/	Hardware	/	Interactive Whiteboards	/	Gear UP			Principal Grade level teams Admin team Technology Director	Principal Observation Collaboration protocols. WASL improvement
Implement tech literacy goals from OSPI and the plan to ensure students have the necessary skills.	PD on how to develop lessons that call on students to use technology to meet the tech literacy goals	8/27/2008 - 6/11/2009	2000.00	/	Training Costs	/	Trainer/Consultant	/	GEAR UP			Principal CMS Staff Tech Director	Principal Observation Collaboration Protocols
Use technology for instruction delivery and as a part of the learning process by students	PD on how to develop lessons that call on students to use technology.	8/27/2008 - 6/11/2009	10000.00	/	Hardware	/	replacement costs for mobile labs	/	GEAR UP			Principal Grade level teams	Course Evaluation Principal. Observation
Have student's complete work using a variety of technologies that demonstrate	Continued PD in areas determined by staff need.	8/26/2009 - 6/11/2010	5000.00	/	Other	/	Maintain necessary technologies in order to support	/	Tech Levy / GEAR UP			CMS Staff Principal	Collaboration protocols. Online Survey.

proficient skills in relation to Tech literacy expectations				repeated student use.	

Procedures for evaluating success in reaching this goal Course Evaluation, Principal Observation, Pilot self-assessment survey.

Modified By: Andrew Kramer **Modified On:** 5/12/2008