

PROJECT OVERVIEW PART 1: DEFINE

Name of Project:	Computer Replacement	Duration:				
Subject/Course:	Computer/English 9	Grade Level: Grade 9				
Other subject areas to be included:	Mathematics, Science (Recycling)					
Project Idea Summary of the challenge, investigation, scenario, problem, or issue:	Students will develop a plan to replace the school computer lab within a given budge. The challenge will be to research different products and find the most compatible/best product. Then a proposal will be written and presentation given to their peers and BOE. The plan must include the removal and redistribution of current school computers. Install of new computers should be considered.					
Driving Question	How do we design and implement a computer lab to address the needs of Lake Pleasant Central School for under \$15,000.					
Content and Skills Standards to be addressed:	Technical Writing Communication Comparison Technology in Math					
		T+A	E		T+A	E
21st Century Skills to be explicitly <i>taught and assessed</i> (T+A) or that will be <i>encouraged</i> (E) by project work, but not taught or	Collaboration	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Critical Thinking	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Presentation	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
	Other: Multiple Technologies	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Culminating Products & Performances	Group:	(See Individual)				
	Individual:	Presentation Addressing the Following: - Required Components for each Computer/Lab - Compare/Contrast of Products - Budget/Funding Alternatives - Description of Use of Technology - Written/Oral Proposal - Plan for existing Computers				
		Presentation Audience:				
		<input checked="" type="checkbox"/> Class <input type="checkbox"/> School <input checked="" type="checkbox"/> Community <input type="checkbox"/> Experts <input type="checkbox"/> Web <input checked="" type="checkbox"/> Other: <u>BOE</u>				

PROJECT OVERVIEW PART 2: DESIGN

“Grabber” to launch inquiry & generate interest:					
Assessments	Formative Assessments (Checkpoints During Project)	Quizzes/Tests	<input type="checkbox"/>	Practice Presentations	<input type="checkbox"/>
		Journal/Learning Log	<input checked="" type="checkbox"/>	Notes	<input type="checkbox"/>
		Preliminary Plans/Outlines/Prototypes	<input checked="" type="checkbox"/>	Checklists	<input checked="" type="checkbox"/>
		Rough Drafts	<input checked="" type="checkbox"/>	Concept Maps	<input type="checkbox"/>
		Online Tests/Exams	<input type="checkbox"/>	Other:	<input type="checkbox"/>
	Summative Assessments (End of Project)	Written Product(s), with rubric: _____	<input checked="" type="checkbox"/>	Other Product(s) or Performance(s), with rubric: _____	<input type="checkbox"/>
		Oral Presentation, with rubric	<input checked="" type="checkbox"/>	Peer Evaluation	<input checked="" type="checkbox"/>
		Multiple Choice/Short Answer Test	<input type="checkbox"/>	Self-Evaluation	<input checked="" type="checkbox"/>
		Essay Test	<input type="checkbox"/>	Other:	<input type="checkbox"/>
	Debriefing Methods	<i>(Individual, Group, and/or Whole Class)</i>	Journal/Learning Log	<input checked="" type="checkbox"/>	Focus Group
Whole-Class Discussion			<input checked="" type="checkbox"/>	Fishbowl Discussion	<input type="checkbox"/>
Survey			<input type="checkbox"/>	Other:	<input type="checkbox"/>
Resources Needed	On-site people, facilities:	District Treasurer, School Supt., English, Computer, and Math Teachers			
	Equipment:	Computers, Smartboard			
	Materials:	Software (Excel, Word, PP, Smart Notebook, Google Apps)			
	Community resources:	BOE			

PROJECT TEACHING AND LEARNING GUIDE

Project:	Course/Semester:
Knowledge and Skills Needed by Students to successfully complete culminating products and performances, and do well on summative assessments	Scaffolding / Materials / Lessons to be Provided by the project teacher, other teachers, experts, mentors, community members
Spreadsheets/Graphs, Budgeting	→ Math Teacher
Computer Technical Information, System Requirements, Hardware/Software Needs, Internet Use/Safety, Presentation Software,	→ Computer Teacher
Proposal Writing, Research Skills, Compare and Contrast, Work Siting, Business Letters, Public Speaking	→ ELA Teacher
Recycling of Outdated Computer Equipment	→ Science Teacher
Budget Concerns	→ District Superintendent/Budget Officer
	→
	→

PROJECT CALENDAR

Project: Computer Purchase

Start Date:

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

PROJECT WEEK ONE

Calendar is provided in a separate document. The project is spread out over several months.

PROJECT WEEK TWO

PROJECT WEEK THREE

October 2010

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11 <i>No School</i>	12 <i>Project Introduction</i> • <i>Entry Event using Monopoly Money</i>	13 <i>Project Introduction</i> <i>Team Organization</i> <i>Ask Questions</i>	14	15	16
17	18	19 <i>Half Day</i>	20 • <i>Progress Evaluation of Research /Planning Interviews</i> • <i>Check Log</i>	21	22	23
24	25	26	27 • <i>Progress Evaluation of Completed Research</i> • <i>Teach Spreadsheets</i>	28	29	30
31						

November 2010

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3 <ul style="list-style-type: none"> • Progress Evaluation/ Check Spreadsheets • Written Proposal Format 	4	5	6
7	8	9	10 <ul style="list-style-type: none"> • Progress Evaluation/ Check Logs • Work Day • Plan Presentations 	11 No School	12	13
14	15	16	17 <ul style="list-style-type: none"> • Draft of Written Pro- posal • Work on Presentation 	18	19	20
21	22	23	24 Half Day	25 No School	26 No School	27
28	29	30				

December 2010

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1 <ul style="list-style-type: none">• <i>Written proposal complete</i>• <i>Practice Presentation</i>	2	3	4
5	6	7	8 <ul style="list-style-type: none">• <i>Written proposal complete</i>• <i>Practice Presentation</i>	9	10	11
12	13	14	15 <i>Presentation/Vote</i>	16 <i>Presentation/Vote</i>	17 <i>Presentation/Vote</i>	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

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					1	2
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28	29	30				

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Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1 <ul style="list-style-type: none">• <i>Written proposal complete</i>• <i>Practice Presentation</i>	2	3	4
5	6	7	8 <ul style="list-style-type: none">• <i>Written proposal complete</i>• <i>Practice Presentation</i>	9	10	11
12	13	14	15 <i>Presentation/Vote</i>	16 <i>Presentation/Vote</i>	17 <i>Presentation/Vote</i>	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Mastery Levels	Emerging Intern	New Employee	Team Player	Budding Manager	Future Owner	Entrepreneur
Critical Thinking & Research	<ul style="list-style-type: none"> Incomplete Research No Organization 	<ul style="list-style-type: none"> Inaccurate Research Failed to use resources No Organization 	<ul style="list-style-type: none"> Research missing key point leading to incorrect conclusions. Used Minimal Resources Unorganized 	<ul style="list-style-type: none"> Research lacking depth and scope Consulted Limited Resources Organized, but not Always Accessible 	<ul style="list-style-type: none"> Funding Sources Defined Budget Clearly Researched System Requirements Listed Identified Needed Software / Hardware Utilized Available Resources Organized and Accessible 	<ul style="list-style-type: none"> Proposes and evaluates additional solutions not available in existing lab.
10	0..1..2..3..4..5	6..7	8	9	10	+
Written Proposal	<ul style="list-style-type: none"> No attempt at organization Incomplete Numerous Mechanical Errors 	<ul style="list-style-type: none"> Attempt to Organize Few Details Missing Key Components Mechanical Errors 	<ul style="list-style-type: none"> Organized, but lacking transitions All components addressed with no details Few Mechanical Errors 	<ul style="list-style-type: none"> Well Organized Some Elaboration Mechanically Correct 	<ul style="list-style-type: none"> Clear Organization Thorough Elaboration Engaging with a Sense of Voice Mechanically Correct 	<ul style="list-style-type: none"> Proposes and evaluates additional solutions.
30	0..5..10..15	16..17..18..19	20..21..22..23	24..25..26..27	28..29..30	+
Oral Presentation	<ul style="list-style-type: none"> Difficult to hear Read Presentation Unable to answer questions Rambled Multiple Grammar Errors Inappropriate Dress One Presenter 	<ul style="list-style-type: none"> Little Elaboration Lack of Expression Min. Eye Contact Some Grammar Errors No Creativity Dressed Somewhat Appropriately Lacking Equal Part. 	<ul style="list-style-type: none"> Fulfills basic requirement for presentation Attempt at Creativity Some Grammar Errors Dressed Approp. Lacking Equal Participation 	<ul style="list-style-type: none"> Technology enhances presentation Info. Organized Less than 2 grammar errors Engaging Dressed Approp. Most Participated 	<ul style="list-style-type: none"> Logical Flow of Information Proper use of Technology Clear Voice & Eye Contact Creativity Answering of Questions Grammar Mechanics Dressed Appropriately All Students Participate Equally 	<ul style="list-style-type: none"> Proposes and evaluates additional solutions.
30	0..5..10..15	16..17..18..19	20..21..22..23	24..25..26..27	28..29..30	+
Use of Technology	<ul style="list-style-type: none"> Multiple Tech. Malfunctions Minimal Tech. Understanding No Graphs/ Spreadsheets No Disbursement Plan 	<ul style="list-style-type: none"> Some Tech Malfunctions Limited Tech Understanding Incomplete Graphs / Spreadsheets Incomplete Disbursement Plan 	<ul style="list-style-type: none"> Understands Tech, but fails to communicate Few Tech Issues Inaccurate Graphs/ Spreadsheets Vague Disb. Plan 	<ul style="list-style-type: none"> Grasp of Tech. Basic Graphs/ Spreadsheets Multiple Technologies Disbursement Plan Exists 	<ul style="list-style-type: none"> Appropriate use of Technology Multiple Technologies Use of Spreadsheets and Charts Detailed Disbursement Plan Exists 	<ul style="list-style-type: none"> Selected Technology Enhances Written/Oral Presentation
20	0..5..10	11..12..13	14..15..16	17..18	19..20	+
Work Ethic	<ul style="list-style-type: none"> Work shows no evidence of sustained effort Frequent Absences 	<ul style="list-style-type: none"> Minimal Effort Missed Multiple Meetings Disruptive in Group 	<ul style="list-style-type: none"> Some Effort Missed Several Deadlines Reluctant Participation 	<ul style="list-style-type: none"> Displays Good Effort Meets Deadlines Excellent Attendance Show Some Initiative 	<ul style="list-style-type: none"> Show Leadership Takes Initiative Respectful Cooperative Present and Punctual Participate Fully 	<ul style="list-style-type: none"> Exceeds Expectations
10	0..1..2..3..4..5	6..7	8	9	10	+

Grading:

Each Log Check – Quiz Grade

Project Rubric – Two Test Grades

Individual Grade – One Test Grade

-
-
-

Other Grades – Math, Computer, English

Log Checks

Peer Evaluation

Advisor Evaluation

Group Contract

Our Contract

- We all promise to listen to each other's ideas with respect.
- We all promise to do our assigned work to the best of our ability.
- We all promise to turn in our work on or before due dates.
- We all promise to ask for help if we need it.
- We all promise to share responsibility for our success and for our mistakes.
- We all promise to turn in work that is our own.
- _____
- _____

If someone in our group breaks one or more of our rules, the group has the right to call a meeting and ask the person to follow the rules. If the person still breaks one or more of our rules, we have the right to vote to fire that person.*

Group member (please print) _____

Group member signature: _____

Date: _____

Parent signature: _____

Date: _____

*** Any group member firing must be approved by the advisors and the individual will be responsible for completing all components of the written proposal on his/her own.**

SELF/PEER EVALUATION FORM

STUDENT: _____

EVALUATOR: _____

Punctual	
Prepared	
Submit Work by Deadline	
Present	
Participates in Team Meetings	
Teamwork	
Uses Time Effectively	
Works Outside of Class	
Flexible	
Attitude & Demeanor	
Summative Grade:	0

ADDITIONAL COMMENTS: