SHELLY CASHMAN SERIES®

Teachers Discovering Computers

Integrating Technology and Digital Media in the Classroom 6th Edition

Chapter 7

Evaluating Educational Technology and Integration Strategies

Chapter Objectives

- Identify sources of information for evaluating educational technology and digital media
- Outline the considerations and tools used to evaluate software applications
- Describe and explain the key criteria used to evaluate Web resources
- Describe the tools for evaluating the effectiveness of technology
- Compare and analyze the methods used to evaluate student projects

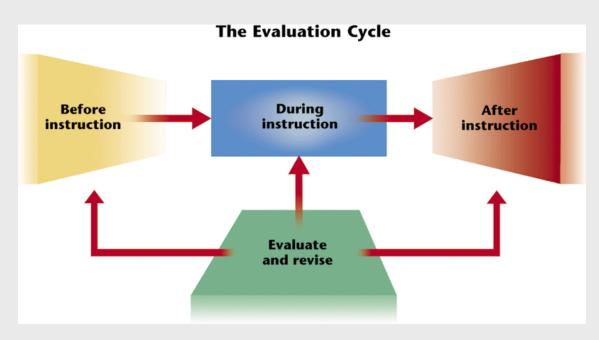


Chapter Objectives

- Identify different technology integration strategies by classroom layout and design
- Define and describe the value of a curriculum page
- Describe ways to integrate technology into specific curriculum subject areas
- Describe authentic assessment tools for student projects
- Identify and compare possible sources of funding for classroom technology

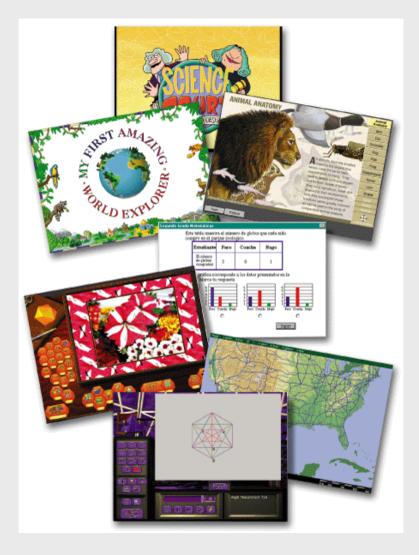


- Determining if the technology is appropriate and enhances the teaching and learning process
- Evaluate before, during, and after instruction





- Sources of Information
 - Numerous resources and technologies to choose from
- School districts and state Departments of Education
 - Lists of recommended software





- Professional educational organizations
 - Local, state, regional, national, and international educational organizations
 - Web sites for organizations





Catalogs

- Provide information about products and how to use products
- Free by calling toll-free numbers or completing an online form
- Colleague Recommendations
 - Discuss issues with other educators
 - Unbiased, first-hand experience



- Published evaluations
 - See company's Web site
 - Educational journals



- Conferences
 - National and state organizations
 - Presentations
 - Meet representative from hardware and software companies



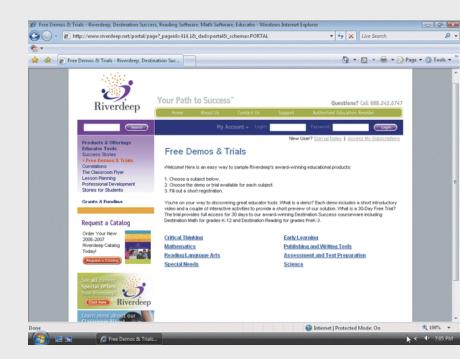


- The Web
 - Mailing listsEDTECH
 - Forums
 - Newsgroups
 - Discussion groups
 - Listservs
 - Wikis
 - Blogs
 - Webinars





- Evaluating Software Applications
 - Free trial versions
 - Software evaluation rubrics
 - Detailed assessment tool





Rubric

Rubric



Software Evaluation Rubric

Application Title: Subject Area: Version: Producer/Publisher:					
Version: Producer Date Published:			-		
Curriculum Standard(s):					
Learning Objective(s): Technology Standard(s):			-	-	
			-	_	
Prerequisite Skills:			-		
Configuration					
Hardware/System Requirements:					
Type of Drive Required: DVD CD		Netwo	rk		
Hard Disk Space Required: Memo	ory Require	_ 11ctilio t			
Program Categories: (Check all that apply)	ory modulio				
Presentation Drill and Practice		Education	d Came		
		Education: ILS	al Game		
		Distance L			
Problem Solving Tutorial Other:		Distance L	earning		
Skill/Ability/Grade Levels: Use the following system to rate the software					
Skill/Ability/Grade Levels: Use the following system to rate the software			-		
Skill/Ability/Grade Levels:					
Skill/Ability/Grade Levels: Use the following system to rate the software 1=Strongly disagree; 2=Disagree; 3=Agree; 4=Strongly ag		t applicable			
Skill/Ability/Grade Levels: Use the following system to rate the software 1=5trongly disagree; 2=Disagree; 3=Agree; 4=Strongly ag Content	ree; NA=No	t applicable 3			
Skill/Ability/Grade Levels: Use the following system to rate the software 1=Strongly disagree; 2=Disagree; 3=Agree; 4=Strongly ag Content 1. The content is accurate and factual. 2. The content is educationally appropriate. 3. The content is free of errors.	ree; NA=No 1 2 1 2 1 2	t applicable 3 3 3	4 4 4		
Skill/Ability/Grade Levels:	ree; NA=Ne 1 2 1 2 1 2 1 2	t applicable 3 3 3 3	4 4 4		
Skill/Ability/Grade Levels: Use the following system to rate the software 1=Strongly disagree; 2=Disagree; 3=Agree; 4=Strongly ag Content 1. The content is accurate and factual. 2. The content is educationally appropriate. 3. The content is free of errors. 4. The content meets your learning goals and objectives. 5. The content is age appropriate.	ree; NA=Ne 1 2 1 2 1 2 1 2 1 2 1 2	t applicable 3 3 3 3 3 3 3	4 4 4 4 4		
Skill/Ability/Grade Levels:	ree; NA=Ne 1 2 1 2 1 2 1 2 1 2 1 2 1 2	t applicable 3 3 3 3 3 3 3 3 3 3	4 4 4		
Skill/Ability/Grade Levels: Use the following system to rate the software 1=Strongly disagree; 2=Disagree; 3=Agree; 4=Strongly ag Content 1. The content is accurate and factual. 2. The content is educationally appropriate. 3. The content is free of errors. 4. The content meets your learning goals and objectives. 5. The content is age appropriate. 6. The content is free of stereotypes and cultural bias. 7. The content meets district and state standards.	ree; NA=Ne 1 2 1 2 1 2 1 2 1 2 1 2	t applicable 3 3 3 3 3 3 3 3 3 3	4 4 4 4 4		
Skill/Ability/Grade Levels:	ree; NA=Ne 1 2 1 2 1 2 1 2 1 2 1 2 1 2	t applicable 3 3 3 3 3 3 3 3 3 3	4 4 4 4 4		
Skill/Ability/Grade Levels:	ree; NA=Ne 1 2 1 2 1 2 1 2 1 2 1 2 1 2	t applicable 3 3 3 3 3 3 3 3 3 3	4 4 4 4 4		
Skill/Ability/Grade Levels:	1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	t applicable 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	4 4 4 4 4		
Skill/Ability/Grade Levels:	1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	t applicable 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	4 4 4 4 4		
Skill/Ability/Grade Levels:	1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	t applicable 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	4 4 4 4 4		
Skill/Ability/Grade Levels:	1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	t applicable 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	4 4 4 4 4		

Software Evaluation Rubric rongly disagree; 2-Disagree; 3-Agree; 4-Strongly agree; NA-Not applicable)

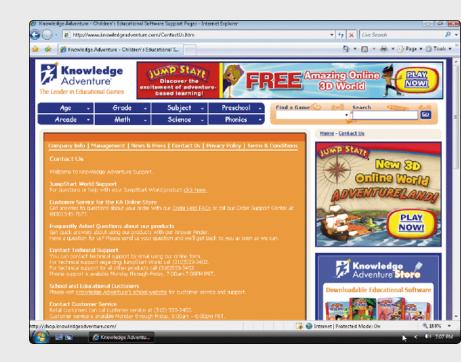
1 1 1 1 1 1	2 2 2 2 2 2 2 2 2 2	3 3 3 3 3 3 3 3	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	NA NA NA NA
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 2 2 2 2 2	3 3 3 3 3 3 3	4 4 4 4	NA NA NA
1 1 1	2 2 2 2 2 2 2	3	4 4 4	NA NA NA
1 1 1	2 2 2	3 3 3	4 4 4	NA NA
1	2	3	4	NA
1	2	3	4	NA
1	2	3	4	NA
1	2	3	4	NA
1	2	3	4	NA
		-		
1	2	3	4	NA
1	2	3	4	NA
1		3	4	NA
1	2	3	4	NA
1	2	3	4	NA
				11
1	2	2	4	NA
-				NA
-	_	_		NA
	-	-		
1	2	3	4	NA
			_	
e:				
	_	_	_	
	1 1 1 1 1 1	1 2 1 2 1 2 1 2 1 2 1 2 1 2	1 2 3 1 2 3	1 2 3 4 1 2 3 4



- Evaluating Software Applications
 - Content
 - Is the software valid?
 - Relate content to school's and state's specific curriculum standards and related benchmarks



- Evaluating Software Applications
 - Documentation and technical support
 - Documentation
 - Printed or online information
 - Technical support
 - Telephone or Web support





- Evaluating Software Applications
 - Ability levels and assessment
 - Can software be used with various ability and academic levels?
 - Can software adjust the academic level and students move through the skills

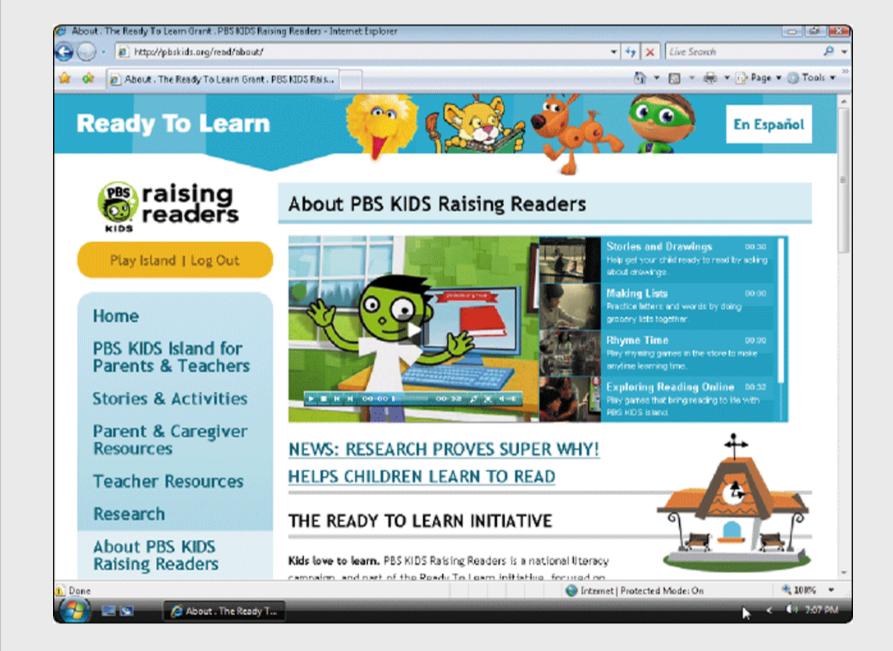


- Evaluating Software Applications
 - Technical quality and ease of use
 - Technical quality
 - How well the software presents itself and how well it works
 - Ease of use
 - User friendliness
 - Student opinion is important in these criteria



- Evaluating Web Resources
 - Authority
 - Is the author clearly identified?
 - Examine the credentials of the author or organization of the Web site
 - Has the author or organization listed experience, position, education, or other credentials?







- Evaluating Web Resources
 - Affiliation
 - Who is the Web site associated with?
 - Examine the URL and domain name





- Evaluating Web Resources
 - Purpose and Objectivity
 - Is the content provided as a service?
 - Is the content unbiased?



- Evaluating Web Resources
 - Content and Learning Process
 - Is the content valid and appropriate?
 - Does the information relate to your needs?
 - What topics are covered?
 - For what level is the information written?
 - Do the links within the site add value?



- Evaluating Web Resources
 - Audience and currency
 - Is the content suitable for your students?
 - Is the content up to date and timely?



- Evaluating Web Resources
 - Design
 - Web effectiveness
 - Web Evaluation Rubric



- Evaluating Web Resources
 - Design
 - Student Web Site Evaluation Form



Student Web Site Evaluation Rubric						1		Neh Site	Fvaluat	ion Rub	ria
<section-header></section-header>											
<form></form>	ric										5
Sudent team members: Enclose Derice Derice can move easely from page to page. Derice Derice can move easely from page to page. Derice Derice can move easely from page to page. Derice Derice can move easely from page to page. Derice can move easely from page to page. Derice can move easely from page to page. Derice can move easely from page to page. Derice can move easely from page to page. Derice can move easely from page to page. Derice can move easely from page to page. Derice can move easely from page to page. Derice can move easely from page to page. Derice can move easely from page to page. Derice can move easely from page to page. Derice can move easely from page to page. Derice can move easely from page to page. Derice can move easely from page to page. Derice can move easely from page to page. Derice can move easely from page to page. Derice can move easely (within 15 decords). Derice can move easely from page to page. Derice can move easely (within 15 decords). Derice can move easely from page to page. Derice can move easel updated is provided. Derice can move easely from page to page. Derice can move easel updated is provided. Derice can move easely from page to page. Derice can move easel updated is provided. Derice can move easely from page to page. Derice can move easel updated is provided. Derice can move easely from page to page. Derice can move easely from page to page. Derice can move ease of page to page t	Student Web Site F	vəlu	atia	n D	ubric		4.1167	ves Supported by this Sit	e:	-	4
Student team members: Page 1 of 1 Page 1 of 1 Page 1 of 1 Page 1 of	Student web site E	valu	atio	пк				Lund 2	Lund 2		-
Productive training memory is started with his or her organization is started with his or her e-mail address.	Gtudent team members:				5						Lev
Users can move easily from page to page. Image: Second seco	\Rightarrow				1	Authority			credentials and you cannot tell if the author is the	appropriate credentials and is the creator of the	Б
Use of graphics (pictures and color) is good. Immunolity Immu			•		_						T
Purpose cannot be determined. cannot be determined. than one purpose but my objectives. char and meets most of my objectives. date is and meets my objectives. date i		ö	ĕ		3	Affiliation		but it is unclear if the author has any connection	bias is apparent in the information from the	without bias in the	1
Information is useful. Image: Content is as good or better than that of similar sites. Image: Content is as good or better than that of similar sites. Image: Content is as good or better than that of similar sites. Image: Content is as good or better than that of similar sites. Image: Content is as good or better than that of similar sites. Image: Content is as good or better than that of similar sites. Image: Content is as good or better than that of similar sites. Image: Content is as good or better than that of similar sites. Image: Content is as good or better than that of similar sites. Image: Content is as good or better than that of similar sites. Image: Content is as good or better than that of similar sites. Image: Content is as good or better than that of similar sites. Image: Content is as good or better than that of similar sites. Image: Content is as good or better than that of similar sites. Image: Content is as good or better than that of similar sites. Image: Content is as good or better than that of similar sites. Image: Content is as good or better than that of similar sites. Image: Content is as good or better than that of similar sites. Image: Content is as good or better than that site is and content is well or good better than that bit of this but does not relate the or ny objective. Image: Content is as good or better than that bit of this but does not relate the or ny objective. Image: Content is as good or better than that bit of this but does not relate the or ny objective. Image: Content is as good or better than that but does not relate the or ny objective. Image: Content is as good or better than that but does not	CONTENT										t
Content is as good or better than that of similar sites. Image: Content is as good or better than that of similar sites. Image: Content is as good or better than that of similar sites. Image: Content is as good or better than that of similar sites. Image: Content is as good or better than that of similar sites. Image: Content is as good or better than that of similar sites. Image: Content is as good or better than that of similar sites. Image: Content is as good or better than that of similar sites. Image: Content is as good or better than that of similar sites. Image: Content is as good or better than that of similar sites. Image: Content is as good or better than that of similar sites. Image: Content is as good or better than that of similar sites. Image: Content is as good or better than that of similar sites. Image: Content is as good or better than that of similar sites. Image: Content is and contains it the similar sites. All links work. Image: Content is site of similar sites. Image: Content is simal contentis is simalocontent is simalog. Image: C	Information is useful.	\odot	<u></u>	\approx	Ĕ	Purpose	Carines be determined.	meets only a few of my			E
Pages load quickly (within 15 seconds). Image: Content of the links out, and the site is not well of the links on the site is not well of the links on the site is not well of the site is not well of the site is not well of the links on the site is not well not the information is usable for nor discussion. Page 1 of 1 Note: Page 1 of 1		ĕ	ĕ	8		Objectivity	The Web page is a virtual scapbox.	The Web site contains some bias and a great	minimal bias and some	bias and contains little	Ī
Pages load quickly (within 15 seconds). Image of the links do not work. Image of the links do not work. </td <td>TECHNICAL ELEMENTS</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Þ</td>	TECHNICAL ELEMENTS										Þ
All links work. Image: Comparison of the host school or organization is given. Image: Comparison of the host school or organization is given. Image: Comparison of the host school or organization is given. Image: Comparison of the host school or organization is given. Image: Comparison of the host school or organization is given. Image: Comparison of the host school or organization is given. Image: Comparison of the host school or organization is given. Image: Comparison of the host school or organization is given. Image: Comparison of the host school or organization is given. Image: Comparison of the host school or organization is given. Image: Comparison of the host school or organization is given. Image: Comparison of the host school or organization is given. Image: Comparison of the host school or organization is given. Image: Comparison of the host school or organization is given. Image: Comparison of the host school or organization is given. Image: Comparison of the host school or organization is given. Image: Comparison of the host school or organization of the host school or organization is given. Image: Comparison of the host school or organization of the host school or organization or the site has not been reviced in the last six months or on the site has not been reviced in the last six months or on the site has not been reviced in the last six months or on the site has not been reviced in the last six months or on the site has not been reviced in the last six months or on the site has not been reviced in the last six months or on the site has not been reviced in the last six months or on the site has not been reviced in the last six months or on the site has norethe or on the site has six on the or on the	Pages load quickly (within 15 seconds).	\odot	$\stackrel{\frown}{=}$	\otimes		Content		many of the links do not	but the site is not well	links work, and the site	
CREDIBILITY CREDIBILITY Contact person is stated with his or her e-mail address. Contact person is stated with his or her e-mail address. Contact person is stated with his or her e-mail address. Contact person is stated with his or her e-mail address. Contact person is stated with his or her e-mail address. Contact person is stated with his or her e-mail address. Contact person is stated with his or her e-mail address. Contact person is stated with his or her e-mail address. Contact person is stated with his or her e-mail address. Contact person is stated with his or her e-mail address. Contact person is stated with his or her e-mail address. Contact person is stated with his or her e-mail address. Contact person is stated with his or her e-mail address. Contact person is stated with his or her e-mail address. Contact person is stated with his or her e-mail address. Contact person is stated with his or her e-mail address. Contact person is stated with his or her e-mail address. Contact person is stated with his or her e-mail address. Contact person is stated with his or her e-mail address. Contact person is stated with his or her propriate level for my audence. Contact person is stated with his or her monta an appropriate level for my audence and person is stated with his or her has no been revised in the las no the or no date tion still is of good quality. The Web ste loads stowel his the general person is the person is no the person is the person is the person is no the person is the person is no the person is the is no tesspre tion still is of good quality. The We	All links work.	\odot	<u>••</u>	\approx				The information will not	The information at this	The information challenges	
Contact person is stated with his or her e-mail address. Image: Contact person is stated with his or her e-mail address. Image: Contact person is stated with his or her e-mail address. Image: Contact person is stated with his or her e-mail address. Image: Contact person is stated with his or her e-mail address. Image: Contact person is stated with his or her e-mail address. Image: Contact person is stated with his or her e-mail address. Image: Contact person is stated with his or her e-mail address. Image: Contact person is stated with his or her e-mail address. Image: Contact person is stated with his or her e-mail address. Image: Contact person is stated with his or her e-mail address. Image: Contact person is stated with his or her e-mail address. Image: Contact person is stated with his or her e-mail address. Image: Contact person is stated with his or her e-mail address. Image: Contact person is stated with his or her e-mail address. Image: Contact person is stated with his or her at an appropriate level for my audence and some of her information is subable for my classes or withen at an appropriate level for my audence and some of her information is subable for my classes or withen at an appropriate level for my audence and some of her information is subable for my classes or withen and her person apper. Image: Contact person p	CREDIBILITY			<u> </u>			reflect, discuss, compare,	think but does provide	challenges for the learner	thinking skills, effectively	1
The name of the host school or organization is given. Image: Constraint of the host school or organization is given. Audience appropriate for my audience. above the level of my audi- ence, but some of the information is uselue of the informatio		\odot	<u>:</u>	8	a) 🔤	Frocess		resource information.	relate to my objectives.	meets my learning objectives.	5
Date this site was last updated is provided.		\odot	$\stackrel{}{=}$	\otimes	ы Б	Audience	appropriate for my	above the level of my audi- ence, but some of the	at an appropriate level for my audience and some of	at an appropriate level and the information is suitable	d 👘
Last 18 months, or no date can be located. Last 18 months, or no date tion still is of good quality. Infect currency. months and seems to reflect currency. months and is accurate. The Web site loads slower, properties for my The Web site loads slower, and the general appear- ant slower be and the site is not easy to navigate, visually The Web site loads well, is easy to navigate, visually	Date this site was last updated is provided.	\odot	$\stackrel{\textcircled{\bullet}}{=}$	\otimes			Information on the site			-	÷
inappropriate for my and the general appear- but the site is not easy to ravigate, visually					page 1 of 1	Currency	last 18 months, or no date	last year, but the informa-	months and seems to		ŧ.
						Design	inappropriate for my	and the general appear-	but the site is not easy to	easy to navigate, visually	

CASHMAN SERIES.

- Assessment Tools for Evaluating the Effectiveness of Technology Integration
 - Measure student performance
 - Reliable assessment
 - Traditional assessment
 - Testing

- Assessment Tools for Evaluating the Effectiveness of Technology Integration
 - Alternative assessment
 - Authentic assessment (performance based assessment)
 - Project-based assessment
 - Portfolio assessment
 - Checklist
 - Rating scale
 - Rubric



- Tools for Evaluating the Effectiveness of Technology Integration
 - Teacher observation
 - Observe motivation
 - Observe how long students work on an objective



- Evaluating Technology-Based Student Projects
 - Integrated learning systems (ILS)
 - Automatically track student progress
 - Assessment rubric



Rubric

5

Student/Gro	up Project	Evaluation	Rubric
-------------	------------	------------	--------

Team Leader: Team Member(s): Project Title:										ters.
	Beg	inn	ing	Dev	eloj	ping	Acco	mp	lished	Exemplary
Development Process										
Student(s) used quality reference materials and timely Web sites in gathering information.	0	1	2	3	4	5	б	7	8	9 10
Student(s) completed project outline/storyboard.	0	1	2	3	4	5	6	7	8	9 10
Student(s) obtained permission to use copyrighted materials.	0	1	2	3	4	5	6	7	8	9 10
Content										
Understanding of topic is evident.	0	1	2	3	4	5	6	7	8	9 10
Information is presented in a clear manner.	0	1	2	3	4	5	6	7	8	9 10
Information is appropriate and accurate.	0	1	2	3	4	5	6	7	8	9 10
Content shows understanding of the learning objectives.	0	1	2	3	4	5	б	7	8	9 10
Student(s) used higher-order thinking skills when analyzing and synthesizing information.	0	1	2	3	4	5	б	7	8	9 10
Important ideas related to topic are included and an understanding of important relationships is evident.	0	1	2	3	4	5	б	7	8	9 10
Includes properly cited sources.	0	1	2	3	4	5	6	7	8	9 10
Design and Integration of Technology										
The content is presented in a logical, interesting sequence.	0	1	2	3	4	5	6	7	8	9 10
Video, 3D, and all enhancements are used appropriately.	0	1	2	3	4	5	б	7	8	9 10
Colors, images, animation, and sound enrich the content.	0	1	2	3	4	5	б	7	8	9 10
The project works and is technically sound.	0	1	z	3	4	5	6	7	8	9 10
Text is easy to read and students have followed rules of good screen design.	0	1	2	3	4	5	6	7	8	9 10
Accurate spelling and grammar are used throughout.	0	1	2	3	4	5	6	7	8	9 10
Presentation										
The student(s) maintains eye contact with class.	0	1	2	3	4	5	6	7	8	9 10
The student(s) speaks clearly and is easily heard.	0	1	2	3	4	5	6	7	8	9 10
The presentation is an appropriate length.	0	1	2	3	4	5	6	7	8	9 10
Technology is used well while presenting.	0	1	2	3	4	5	6	7	8	9 10
				Total	Ро	ssibl	e 200	T	otal _	
										page 1 of 1



- Evaluating Technology-Based Student Projects
 - Evaluating content
 - Based on your standards and benchmarks
 - Review punctuation, grammar, spelling, coverage of material, presentation of the material in a logical order, and specific information about the author

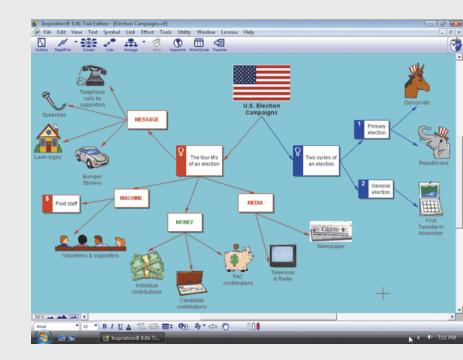


- Evaluating Technology-Based Student Projects
 - Evaluating planning
 - How do you want your students to plan?
 - What tools will the students use?
 - Software tools (Inspiration)
 - Visual learning techniques





- Evaluating Technology-Based Student Projects
 - Evaluating planning
 - Flowcharts
 - Concept map or story web
 - Storyboard





- Evaluating Technology-Based Student Projects
 - Evaluating creativity
 - Evaluate originality, imaginative and innovative approach, and artistic abilities
 - Color, clip art, and artwork should strengthen content



- Putting it All Together Evaluating Technology Integration
 - Ms. Vicki Osborne's classroom
 - One computer and 26 students
 - Block schedule



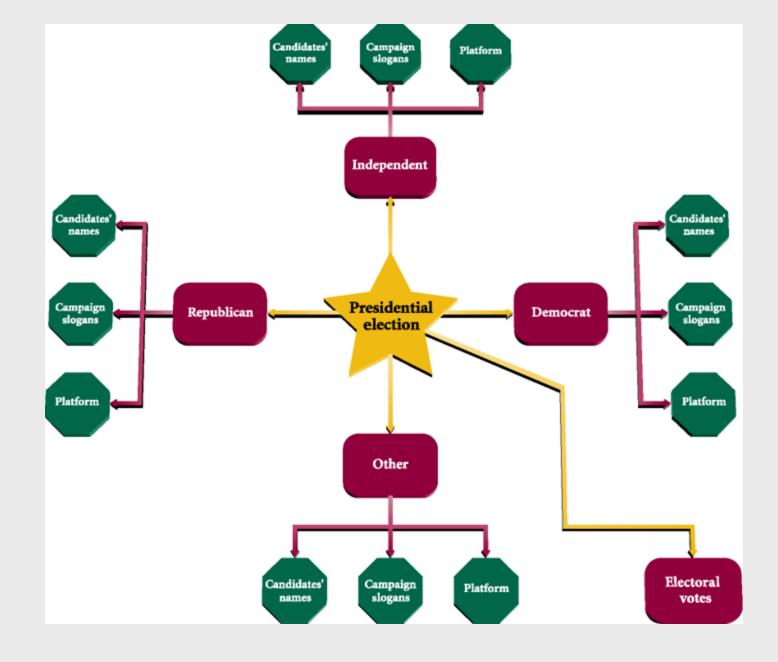
- Putting it All Together Evaluating Technology Integration
 - Ms. Vicki Osborne's goals for the lesson
 - Students work in groups
 - Use reference materials and Web resources
 - Identify three major campaign issues
 - Provide personal facts about the candidate
 - Create a group digital media presentation
 - Use correct grammar, spelling, and punctuation



Evaluating the Effectiveness of Technology Integration

- Putting it All Together Evaluating Technology Integration
 - Ms. Vicki Osborne's lesson
 - Brainstorm to develop a concept map





SHELLY CASHMAN SERIES.

Evaluating the Effectiveness of Technology Integration

- Putting it All Together -Evaluating Technology Integration
 - Ms. Vicki Osborne's lesson
 - Evaluation rubric
 - Flowchart or storyboard
 - Work in groups in 40-minute blocks
 - Each group presents their project in the media center





- Teachers must become facilitators of learning
- Use technology to enhance learning environment
- Put technology at point of instruction
- Many mixtures of technology







- One-Computer Classroom
 - Use the computer for classroom presentations and demonstrations
 - Introduce new concepts
 - Students use to present assignments, projects, and research activities to the entire class
 - Maintain class records, create presentations and projects, do research, and communicate with other teachers



One-Computer Classroom

- Internet access
- Educational application software
- Enhance lectures and presentations
- Use the computer as a teaching assistant
- Foster group and cooperative learning
- Write an ongoing story
- Create a class blog
- Start a class newsletter



- One-Computer Classroom
 - Maintain a student database
 - Teacher productivity tool
 - Optimize computer lab time
 - New emerging technologies



- Multicomputer Classroom
 - Multiple learning centers
 - Integrate other technologies
 - Miss Julie Davis' classroom
 - Digital camera
 - Web research centers
 - Develop presentations
 - Microsoft Publisher







- Computer Labs
 - All students have hands-on experience
 - Often used to teach technology skills or subjectspecific skills
 - Integrate computer-related skills into subjectdirected curriculum areas
 - Example: Web scavenger hunt



ercise	Roller Coaster Scavenger Hunt
	AMUSEMENT PARK PHYSICS What are the forces behind the fun?
	www.learner.org/exhibits/parkphysics
	. Do roller coasters have engines?
	2. What drives a roller coaster?
3	3. What is the difference between running wheels and friction wheels?
	I. How do roller coasters stop?
5	5. What is centripetal force?
6	5. What is gravitational force?
7	7. Name and explain three physics terms that relate to roller coasters.
	re questions that follow.
	3. What hill height did you choose? Why?
	What hill shape did you choose? Why? What hill shape did you choose? Why?
	Which exit path did you choose? Why?
	Which exit path did you choose? Why?
	. what did you choose for the neight of your second hill? why?
12	2. What type of loop did you add? Why?
	Did your roller coaster design succeed or fail? Why?
	n the back of this paper, list four additional facts that you learned. ood Luck!



- Curriculum Pages
 - Strategy for implementing the Internet into the classroom
 - Teacher created document that contains hyperlinks to teacher-selected-and-evaluated sites that are content and age appropriate



Revolutionary War Links



Revolutionary War

[a]

This site contains information on the Revolutionary War, included are causes of the war, famous guotes, and many related pictures.

The History Place-Conflict and Revolution 1775-1775

Many of the most significant events of the entire war occurred during this time period.

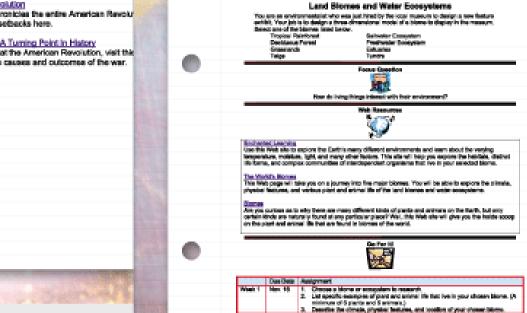
Virtual Marching Tour of the American Revolutionary War

This site gives accounts of the major battles of this war. The ec sure to make this alte a favorite of yours.

Liberty! The American Revolution This PBS-produced alte chronicles the entire American Revolu-America's successes and setbacks here.

The American Revolution: A Turning Point in History

For a comprehensive look at the American Revolution, visit this used in the accounts of the causes and outcomes of the war.



Week 21

Mars 201

and 5 plants 1

The offered on

Each load chain straight.

The refush adaptations make each of the panels and animate that yes label durin week 1 jobs for that emirportant?

Name some other animals and plants that do not live in your environment and explain why 6 is impossible for them to survive them. (A minimum of 2 animals

dentify three different food drafes that which which your bioms.

 Each load clubs should have a striktner of four arganizate per clubs.

diameter.



Chapter 7: Evaluating Educational Technology and Integration Strategies

[b]

- Creating Lesson and Project Plans
 - Must integrate technology into lesson plans and activities
 - Educator's Reference Desk
 - Lesson plans and activities can be found on the Web





- Creating Lesson Plans
 - Language arts integration
 - Reading, writing, listening, viewing, speaking, and literature
 - Extra! Extra! Know All About It.



- Creating Lesson Plans
 - Social studies integration
 - History, geography, civics, and economics
 - What Wonderful Webs We Weave



- Creating Lesson Plans
 - Mathematics integration
 - Basic number concepts, measurements, geometry, algebra, calculus, and data analysis
 - The Business of Professional Sports



- Creating Lesson Plans
 - Science integration
 - Physical sciences, earth and space sciences, and life sciences
 - Let's Think as a Scientist



- Creating Lesson Plans
 - Physical education and health integration
 - Basic health and physical education literacy
 - Eating Healthy!



- Creating Lesson Plans
 - Arts integration
 - Visual and performing arts including drawing, painting, dance, music, and theater
 - The Theory of Color



- Creating Lesson Plans
 - Exceptional education integration
 - All curriculum areas with adaptations made for students with special characteristics or special needs
 - Rain Forests Are in Trouble



- Creating Lesson Plans
 - Interdisciplinary Integration
 - Includes two or more academic disciplines or curriculum areas to form a cross-discipline or subject-integrated lesson
 - Natural Disasters Occur Everywhere



- Many school districts do not have sufficient funding for technology
- If school cannot provide funds, turn to the public, industry, and the government



- Fund-raising Drives and Contests
 - Partner with local businesses
 - Small amounts of money can go a long way
 - Enter contests to win equipment
 - Involve parents and community
 - Showcase students' use of technology
 - Volunteers



- Grants
 - Funds provided by a funding source that transfers money, equipment, or services to the grantee
 - Grantee is the teacher, school, or organization
 - Sources: Department of Education, federal sources, foundations, and corporations



- Grants
 - Request for proposal (RFP)
 - Grant proposal
 - Look for opportunities on the Web





Chapter Summary

- Identify sources of information for evaluating educational technology and digital media
- Outline the considerations and tools used to evaluate software applications
- Describe and explain the key criteria used to evaluate Web resources
- Describe the tools for evaluating the effectiveness of technology
- Compare and analyze the methods used to evaluate student projects



Chapter Summary

- Identify different technology integration strategies by classroom layout and design
- Define and describe the value of a curriculum page
- Describe ways to integrate technology into specific curriculum subject areas
- Describe authentic assessment tools for student projects
- Identify and compare possible sources of funding for classroom technology



SHELLY CASHMAN SERIES®

Teachers Discovering Computers

Integrating Technology and Digital Media in the Classroom 6th Edition

Chapter 7 Complete

Evaluating Educational Technology and Integration Strategies