Unit: Basic Design Principles

Content Standard: Apply basic design principles to web pages and web sites.

- 3.7.10.C. Apply basic computer operations and concepts.
- 3.7.12.C. Evaluate computer operations and concepts as to their effectiveness to solve specific problems.
- 3.7.10.D. Utilize computer software to solve specific problems.
- 3.7.12.D. Evaluate the effectiveness of computer software to solve specific problems.
- 3.7.10.E. Apply basic computer communications systems.
- 3.7.12.E. Assess the effectiveness of computer communication systems.

Course Content	Student Performance	Resources	Assessments
A. Basic Design Principles to Learn and Apply to Web	Identify alignment	• Computers	 Classroom discussions and participation
Pages and Web Sites:	Distinguish proximity	Internet browser	Portfolio evaluation
 Alignment 	Recognize repetition	Internet connection	Together generated rubrics
 Proximity 	Associate contrast	ISTE's Educational	Teacher generated rubrics
Repetition	Establish focal point	Technology Standards (see Appendix)	Peer review
·	25(45)1011 10541 politic	, pp =	Oral/visual presentation
Contrast			
Focal point			

Unit: Hypertext Markup Language (HTML)

Content Standard: Create web pages and a web site using Hypertext Markup Language (HTML) source code.

- 3.7.10.C. Apply basic computer operations and concepts.
- 3.7.12.C. Evaluate computer operations and concepts as to their effectiveness to solve specific problems.
- 3.7.10.D. Utilize computer software to solve specific problems.
- 3.7.12.D. Evaluate the effectiveness of computer software to solve specific problems.
- 3.7.10.E. Apply basic computer communications systems.
- 3.7.12.E. Assess the effectiveness of computer communication systems.

Course Content	Student Performance	Resources	Assessments
A. Web Page Elements and Their Appropriate HTML	Create titles	Computers	 Classroom discussions and participation
Tags:	 Compose paragraphs 	 Internet browser 	
Title			 Portfolio evaluation
	 Apply breaks 	 Internet connection 	
 Paragraphs 			 Teacher generated rubrics
	 Insert horizontal rules 	Text editor	
Breaks			Peer review
	Create headings	ISTE's Educational	
Horizontal rules		Technology Standards (see	 Oral/visual presentation
I I a a P a a a	Construct lists	Appendix)	
 Headings 			
Lists	Develop tables		
• Lists	One ata linta		
Tables	Create links		
• lables	. Has anahara		
• Links	Use anchors		
LITINS	• Change backgrounds		
 Anchors 	Change backgrounds		
, monoro	Insert graphics		
 Backgrounds 	- moon grapmos		
_ = ===================================	Embed music		
 Graphics 	2.11504 1114010		
Music			

Unit: **HTML Editors**

Content Standard: Create web pages and a web site using an HTML editor.

- 3.7.10.C. Apply basic computer operations and concepts.
- 3.7.12.C. Evaluate computer operations and concepts as to their effectiveness to solve specific problems.
- 3.7.10.D. Utilize computer software to solve specific problems.
- 3.7.12.D. Evaluate the effectiveness of computer software to solve specific problems.
- 3.7.10.E. Apply basic computer communications systems.
- 3.7.12.E. Assess the effectiveness of computer communication systems.

Course Content	Student Performance	Resources	Assessments
 A. Web Site Elements Paragraphs Lists Tables Links 	 Student Performance Compose paragraphs Construct lists Insert tables Create links Use anchors 	 Computers Internet browser Internet connection HTML editor ISTE's Educational 	 Classroom discussions and participation Portfolio evaluation Teacher generated rubrics Peer review
 Anchors Backgrounds Graphics Frames Music Rollovers Forms 	 Change backgrounds Insert graphics Construct frames Embed music Create rollovers Develop forms 	Technology Standards (see Appendix)	Oral/visual presentation

Unit: Images

Content Standard: Construct, enhance, and manipulate images to be used on web pages.

- 3.7.10.C. Apply basic computer operations and concepts.
- 3.7.12.C. Evaluate computer operations and concepts as to their effectiveness to solve specific problems.
- 3.7.10.D. Utilize computer software to solve specific problems.
- 3.7.12.D. Evaluate the effectiveness of computer software to solve specific problems.
- 3.7.10.E. Apply basic computer communications systems.
- 3.7.12.E. Assess the effectiveness of computer communication systems.

Course Content	Student Performance	Resources	Assessments
A. Drawing Tools	Draw objects	Computers	 Classroom discussions and participation
B. Selection Tools	Select objects	 Internet connection 	5 4 11 1 11
C. Text	Use text	Image editing software	Portfolio evaluationTeacher generated rubrics
D. Layers	Create layers	ISTE's Educational	reacher generated rabiles
E. Opacity	Alter opacity	Technology Standards (see Appendix)	Peer review
F. Gradient	Apply gradient		Oral/visual presentation
G. Color Balance	Change color balance		
H. Resize	Resize objects		
I. Brightness/Contrast	Adjust brightness/contrast		
J. Mode	Switch mode		
K. Filters	Apply filters		
L. Layer Styles	Use layer styles		
M. History			

• Change history

Unit: **Animations**

Content Standards: Create animations for web pages.

- 3.7.10.C. Apply basic computer operations and concepts.
- 3.7.12.C. Evaluate computer operations and concepts as to their effectiveness to solve specific problems.
- 3.7.10.D. Utilize computer software to solve specific problems.
- 3.7.12.D. Evaluate the effectiveness of computer software to solve specific problems.
- 3.7.10.E. Apply basic computer communications systems.
- 3.7.12.E. Assess the effectiveness of computer communication systems.

Course Content	Student Performance	Resources	Assessments
A. Drawing Tools	Draw objects	• Computers	 Classroom discussions and participation
B. Selection Tools	Select objects	Internet connection	Portfolio evaluation
C. Frames	Insert frames	Animation software	
D. Layers	Create layers	ISTE's Educational Technology Standards (see	Teacher generated rubricsPeer review
E. Text	Use text	Appendix)	
F. Movement	Move objects		Oral/visual presentation
G. Direction	Change direction		
H. Scaling	Scale objects		
I. Rotation	Rotate objects		
J. Opacity	Alter opacity		
K. Color	Apply color		

Unit: Cascading Style Sheets (CSS)

Content Standard: Create CSS files for web pages.

- 3.7.10.C. Apply basic computer operations and concepts.
- 3.7.12.C. Evaluate computer operations and concepts as to their effectiveness to solve specific problems.
- 3.7.10.D. Utilize computer software to solve specific problems.
- 3.7.12.D. Evaluate the effectiveness of computer software to solve specific problems.
- 3.7.10.E. Apply basic computer communications systems.
- 3.7.12.E. Assess the effectiveness of computer communication systems.

Course Content	Student Performance	Resources	Assessments
A. Font Type	Set font type	Computers	 Classroom discussions and participation
B. Italics	Use italics	Internet connection	
C. Bold	Apply bold	Text editor	Portfolio evaluation Taggher generated subvices
D. Font Size	Change font size	ISTE's Educational	Teacher generated rubrics
E. Line Height	Adjust line heights	Technology Standards (see Appendix)	Peer review
F. Color	Add color		Oral/visual presentation
G. Spacing	Alter spacing		
H. Text Alignment	Align text		
I. Text Case	Adjust text case		
J. Text Backgrounds	Change text backgrounds		
K. Indents	Use indents		
L. White Space	Add white space		