

CARLSTADT-EAST RUTHERFORD REGIONAL HIGH SCHOOL DISTRICT
CONTENT: CAREER AND TECHNOLOGY EDUCATION DEPARTMENT
WEBPAGE DESIGN

Webpage Design Curriculum Guide

<p>Pacing Guide: Webpage Design is a half-year course that meets on a rotating basis for three (3) 55-minute blocks and one (1) 40-minute block for every five (5) day cycle.</p>	<p>The Webpage Design Process (1 week-assessment) Information and Interaction Design (1 week-assessment) Presentation Design (1 week-assessment) Typography and Color (2 weeks-assessment) SharePoint Designer Components (1 week-assessment) SharePoint Designer Editing and Formatting Features (1 week-assessment) The Website's Navigational Structure (2 weeks assessment) Link Bars and Hyperlinks (1 week-assessment) Graphics and Special Elements (2 weeks-assessment) Dynamic Effects (2 weeks-assessment) Backgrounds (1 week-assessment) Table Properties (1.5 weeks-assessment) Table Data (1.5 weeks-assessment) Table Formatting (2 weeks-assessment)</p>
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21st Century Skills Standards: Career Ready Practices	CRP2-Apply appropriate academic and technical skills CRP4-Community clearly and effectively and with reason CPR5-Consider the environment, social and economic impacts of decisions CPR6-Demonstrate creativity and innovation CRP11-Use technology to advance productivity
Technology Standards: 8.1 Educational Technology	Use technology when researching for and completing projects and activities. 8.1.12.A.1 –Create a personal digital portfolio which reflects personal and academic interests, achievements, and career aspirations by using a variety of digital tools and resources. 8.1.12.A.2 -Produce and edit a multi-page digital document for a commercial or professional audience and present it to peers and/or professionals in that related area for review. 8.1.12.A.3-Collaborate in online courses, learning communities, social networks or virtual worlds to discuss a resolution to a problem or issue 8.1.12.A.4-Construct a spreadsheet workbook with multiple worksheets, rename tabs to reflect the data on the worksheet, and use mathematical or logical functions, charts and data from all worksheets to convey the results.

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Differentiation/Accommodations/Modifications

Note: Each district should review the various strategies noted below and determine which are applicable for their population within varied grade levels and languages and make edits where needed.

Gifted and Talented	English Language Learners	Students with Disabilities	Students at Risk of School Failure
<p><i>(content, process, product and learning environment)</i> Extension Activities</p> <ul style="list-style-type: none"> ● Open forums and debates in the classroom regarding controversial issues ● Competitive and collaborative projects ● Independent Projects requiring research skills for assessing information 	<p>Modifications for Classroom</p> <ul style="list-style-type: none"> ● In-Class-Support ● Graphic Organizers ● Note-taking guides ● Clarify assignments, directions and instructions ● Highlight key vocabulary <p>Modifications for Assignments</p> <ul style="list-style-type: none"> ● Internet bilingual dictionaries during class and during assignments ● Extended time for all assessments ● Use of graphic organizer ● Simplification of requirements ● Access to teacher power points and notes ● Collaboration between ESL and mainstream classroom teachers 	<p><i>(appropriate accommodations, instructional adaptations, and/or modifications as determined by the IEP or 504 team)</i></p> <p>Modifications for Classroom</p> <ul style="list-style-type: none"> ● In-Class-Support ● Graphic Organizers ● Provide Study Guides ● Extended time on assessments ● Analogies ● Note-taking guides ● Establish Timelines ● Clarify Assignments, directions and instructions ● Chapter/lecture notes ● Parent/teacher communication ● Assistive technology ● Check students independent work ● Assist students with steps to complete assignments 	<p>Modifications for Classroom Pair visual prompts with verbal presentations</p> <p>Modifications for Classroom:</p> <ul style="list-style-type: none"> ● Intervention and Referral Team (I&RS) in-house strategies ● Extra textbooks at home ● Extended time for assignments ● Modify assignments ● Assign peer helper in class ● Parent/Teacher communication ● Provide a copy of class notes ● Verbal reminders ● Check student independent work ● Assist student with planning of assignments <p>Modifications for Assignments/Homework</p> <ul style="list-style-type: none"> ● Extended time for assignments ● Simplify assignments into smaller units or phases ● Provide student with clear expectations and grading criteria <p>Modifications for Assessments:</p>

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	<p>Modifications for Homework</p> <ul style="list-style-type: none"> ● Extended time to complete assignments ● Modified homework assignments ● Provide students with clear expectations <p>Modifications for Assessments:</p> <ul style="list-style-type: none"> ● Extended time for tests and quizzes ● Restate and clarify directions and questions ● Provide study guides <p>Resources WIDA Standards</p> <ul style="list-style-type: none"> ● Standard 1: Social and Instructional Language ● Standard 2: The language of Language Arts ● Standard 3: The language of Mathematics ● Standard 4: The language of Science ● Standard 5: The language of Social Studies 	<p>Modifications for Assignments/Homework</p> <ul style="list-style-type: none"> ● Extended time for assignments ● Simplify assignments into smaller units or phases ● Provide student with clear expectations and grading criteria <p>Modifications for Assessments:</p> <ul style="list-style-type: none"> ● Extended time for tests and quizzes ● Restate and clarify directions and questions ● Provide study guides ● Establish procedures for accommodations/modifications for assessments 	<ul style="list-style-type: none"> ● Extended time for tests and quizzes ● Restate and clarify directions and questions ● Provide study guides
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CONTENT: Unit 1			
Theme: The Web Design Process			
Essential Questions: Why is web design integral to a business? How can a website be used to communicate personally and professionally? How can a website plan help produce a successful website? How can the three parts of web design be used to create effective websites?			
<p>Content: <i>(As a result of this learning segment, students will know...)</i></p> <ul style="list-style-type: none"> • The steps in the web design process • The importance of and difference between the three parts of web design • Typography terms and basic principles of color • The psychological effects of typography and color • How to critique a website 	<p>Skills: <i>(As a result of this learning segment, students will be able to...)</i></p> <ul style="list-style-type: none"> • Create and implement a website plan • Determine the purpose, message, and audience of a website • Identify elements of information design, interaction design, and presentation design • Decipher between fonts and spacing • Identify and analyze color schemes • Choose appropriate fonts and colors for websites 	<p>Assessments: <i>(The above Essential Questions will be assessed with the following formative and summative measures:)</i></p> <ul style="list-style-type: none"> • Classroom Assignments and Activities • Independent Practice • Quizzes/Tests • Projects • Benchmark Assessments • Final Exam 	<p>Standards (NJSLs): 8.1.12.A.1-4</p> <p>Math NJSLs.MATH.CONTENT.HSN.Q.A.1</p> <p>Writing NJSLs.ELA-LITERACY.W.11-12.6</p> <p>Career Ready Practices: CRP 2,4,5,6,11</p>
			<p>Pacing Guide/Time Frame: Taught and assessed in 5 weeks</p>
			<p>Materials: Demonstrations Classwork exercises/worksheets Computer software applications Internet research and activities</p>

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CONTENT: Unit 2					
Theme: Getting Started with SharePoint Designer					
Essential Questions: How can SharePoint Designer be used to create websites for personal and business use? What role does the navigational structure play in a website?					
<p>Content: <i>(As a result of this learning segment, students will know...)</i></p> <ul style="list-style-type: none"> • The basic components and features of SharePoint Designer • The setup of a website's navigational structure 	<p>Skills: <i>(As a result of this learning segment, students will be able to...)</i></p> <ul style="list-style-type: none"> • Create new websites in SharePoint Designer and navigate the SharePoint screen • Enter and format text on webpages • Create bulleted and numbered lists • Insert files and import pages • Preview pages in a browser • Add, delete, and rename pages in the navigational structure • Insert and edit link bars • Create hyperlinks 	<p>Assessments: <i>(The above Essential Questions will be assessed with the following formative and summative measures:)</i></p> <ul style="list-style-type: none"> • Classroom Assignments and Activities • Independent Practice • Quizzes/Tests • Projects • Benchmark Assessments • Final Exam 	<p>Standards (NJSL): 8.1.12.A.1-4</p> <p>Math NJSL.MATH.CONTENT.HSN.Q.A.1</p> <p>Writing NJSL.ELA-LITERACY.W.11-12.6</p> <p>Career Ready Practices: CRP 2,4,5,6,11</p>		
			<p>Pacing Guide/Time Frame: Taught and assessed in 5 weeks</p>		
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CONTENT: Unit 3				
Theme: Working with Graphics and Dynamic Effects				
Essential Questions: How can SharePoint Designer be used to create professional-looking websites? How can the use of graphics and dynamic effects translate into good presentation design?				
Content: <i>(As a result of this learning segment, students will know...)</i> <ul style="list-style-type: none"> • How to work with pictures to produce special website elements (e.g. hotspots) • Websites elements that are considered dynamic effects • How graphics and dynamic effects are used to enhance websites 	Skills: <i>(As a result of this learning segment, students will be able to...)</i> <ul style="list-style-type: none"> • Insert and edit pictures • Create and edit hotspots, thumbnails, and photo galleries • Create scrolling marquees, interactive buttons, and horizontal lines • Apply and format backgrounds • Change properties of website elements • Use the Pictures Toolbar 	Assessments: <i>(The above Essential Questions will be assessed with the following formative and summative measures:)</i> <ul style="list-style-type: none"> • Classroom Assignments and Activities • Independent Practice • Quizzes/Tests • Projects • Benchmark Assessments • Final Exam 	Standards (NJSLs): 8.1.12.A.1-4 Math NJSLs.MATH.CONTENT.HSN.Q.A.1 Writing NJSLs.ELA-LITERACY.W.11-12.6 Career Ready Practices: CRP 2,4,5,6,11	
			Pacing Guide/Time Frame: Taught and assessed in 5 weeks	
			Materials: Demonstrations Classwork exercises/worksheets Computer software applications Internet research and activities	

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CONTENT: Unit 4			
Theme: Creating Tables			
Essential Questions: How can individual webpage layouts be changed? How can tables be used improve webpage layouts? How can tables be used to organize content on a webpage?			
<p>Content: <i>(As a result of this learning segment, students will know...)</i></p> <ul style="list-style-type: none"> • The purpose and function of tables • How webpage layouts can be improved through the use of tables 	<p>Skills: <i>(As a result of this learning segment, students will be able to...)</i></p> <ul style="list-style-type: none"> • Enter and format data • Format tables with borders and shading • Insert pictures in cells • Change table and cell properties • Use the Tables Toolbar 	<p>Assessments: <i>(The above Essential Questions will be assessed with the following formative and summative measures:)</i></p> <ul style="list-style-type: none"> • Classroom Assignments and Activities • Independent Practice • Quizzes/Tests • Projects • Benchmark Assessments • Final Exam 	<p>Standards (NJSLs): 8.1.12.A.1-4</p> <p>Math NJSLs.MATH.CONTENT.HSN.Q.A.1</p> <p>Writing NJSLs.ELA-LITERACY.W.11-12.6</p> <p>Career Ready Practices: CRP 2,4,5,6,11</p>
			<p>Pacing Guide/Time Frame: Taught and assessed in 5 weeks</p>
			<p>Materials: Demonstrations Classwork exercises/worksheets Computer software applications Internet research and activities</p>