



# TRI-CITIES HIGH SCHOOL

2575 Harris Street East Point, GA 30344 TEL: 404.669.8200 FAX: 404.669.8158

## Advanced Web Design

Level 3 Course: Interactive Media Pathway

Prerequisites: Computing in the Modern World & Fundamentals of Web Design

2013-2014 Course Syllabus

**Dr. Mayweather**

mayweatherj@fultonschools.org

Room: M-102

## COURSE DESCRIPTION

Students who have taken and successfully passed the first course in the Interactive Media Pathway (Computing in the Modern World) will thrive in this course. This course is taught as a web-based course. Our goal at Winder-Barrow High School is to promote the academic success of each student. Students are expected to take advantage of all opportunities for success, which are made available to them by all teachers. Daily use of the school website

<http://school.fultonschools.org/hs/tricities/Pages/default.aspx> will be used to practice web designing techniques.

Fundamentals of Web Design provide students the opportunity to learn history and use of markup languages, layout and design techniques, GUI editors (Dreamweaver 8), image editing (Fireworks 8), e-commerce, and basic animation using SVG software (Flash 8). Mastery of the Georgia Performance Standards will be taught through project-based learning. Leadership development will be taught through Future Business Leaders of America (FBLA) which helps prepare students with a competitive edge for the global marketplace.

**Software:** The primary software use for this course includes Macromedia Suite 8 and the Office 2010 Suite. Various free, downloadable and/or browser-based software will be utilized throughout the course to allow students to transfer skills in class to applications outside of classroom.

**Careers:** Career opportunities related to the standards reviewed in this class include: Web Designer, Graphic Artist, Programmer, Web Project Manager Database Administrator, Instructional Designer, Hardware Design Engineer, Digital Graphic Editor, and Web Graphic Animator.

**Internet Usage in Class Setting:** In order to enhance student learning, students will use the Internet daily as a resource tool for this class. While in a business lab, students will comply with all Fulton County Schools guidelines. Failure to follow county mandated guidelines would result in punishment that ranges from loss of privileges to administrative referral. All students and parents are required to sign acknowledgement of Internet guidelines prior to a student using the Internet. Students should not play “games” or watch “videos” online.

## FUTURE BUSINESS LEADERS OF AMERICA (FBLA)

FBLA is a co-curricular student organization that plays an integral part in the components of the Business & Technology course standards. FBLA activities are incorporated throughout this course and the rest of the Business and Computer Science courses. Students are strongly urged to join FBLA (\$20) to benefit from the wealth of opportunities the organization has to offer.

## COURSE CURRICULUM & UNITS

Mastery of the Georgia Performance Standards will be taught through project-based learning.

**Unit 1:** Course Intro & FBLA: Introduction to Future Business Leaders of America, demonstration of computer skills, team building project, orientation to computers, network, class operations

**Unit 2:** Overview of Web Design & Intro to HTML: History and use of markup languages, Uses of html in online world, trends in web world

**Unit 3:** HTML Languages & Tables: Creating web pages using html codes in various languages while incorporating use of tables

**Unit 4:** Planning a Site: Storyboard, Navigation, Design Principles, Color Principles

**Unit 5:** Graphical Elements: File Format, Copyright, Fireworks, Image Maps, Rollover Images, Image Gallery

**Unit 6:** Web Site Layout: Frames & CSS in web development

**Unit 7:** GUI: How to use Dreamweaver to create, design, and publish a website

**Unit 8:** E-Commerce: Designing a website with forms, Connecting Database to understanding and use of websites

## COURSE WORKLOAD

Daily work on projects will be required to master skills or enhance learned material. All work completed during semester will be based upon industry acceptable standards. Students should always demonstrate a positive attitude when working on course assignments. Use of the skills taught in course is encouraged to be used outside of class to maintain mastery level through application in real-world experience. Students will be expected to follow the WBHS Writing expectation on all assignments. Students are encouraged to use remediation time to perfect projects to industry level standards.

**Materials and Supplies:** Students are provided network space to save course work and to publish web pages for class projects. Students should bring the following the following supplies to class:

1. 2 inch notebook with dividers (labeled as discussed in class) along with 30-50 sheets of notebook paper in back of notebook to use throughout semester
2. One ream (1 pack of 500 sheets) printer/copy paper that is turned in to teacher to be used to print computer generated projects
3. Writing utensil (pencil or pen –prefer ink other than black)
4. Not required, but recommended is a jump drive for storing class activities and headphones for use in class assignments.

***Donations of facial tissue, hand sanitizer, and computer–related magazines would be greatly appreciated!***

## CLASSROOM GUIDELINES

To be successful in class, students should follow these guidelines:

1. Students should give 100% to each assignment and project and aim to showcase individual skills.
2. Student should respect themselves, the teacher, and the equipment at all time in the lab.
3. Upon entering class, students should check course calendar for class activities and begin promptly.
4. Be in assigned seat when the tardy bell rings.
5. Listen—follow directions the first time.
6. No adjustments or changes should be made on any computer part.
7. Know and practice emergency procedures and safety rules.
8. Students are expected to participate in ALL class activities.
9. Bring needed materials to class every day—including course notebook, agenda, and writing utensil.
10. Students should not listen to music, watch videos, or play internet games on the computer while in

class unless part of class assignment.

11. Students should work to complete assignments by stated due dates. If a student needs additional time to complete assignments/projects, arrangements can be made to come in before or after school.

## Evaluation & Grading

<u>Assignment Categories</u>	<u>Grade Weights</u>	<u>Grading Scale</u>
Class work	Work Ethics 5 %	A: 90 - 100%
Final Exam		B: 80 - 89%
Homework	Portfolio Checks 5 %	C: 70 - 79%
Work Ethics		D/F: 69% OR BELOW
Projects	Formative Assessments 30 %	
Quizzes	Daily Work	
Portfolio Checks	Homework	
	Summative Assessments 15 %	
	Projects	
	Test & Quizzes 30 %	
	Final Exam 15 %	
	Performance	
	Objective	

## Signatures

By signing this document, you are indicating you understand the content of the course Syllabus and Policies and Procedures.

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Parent Signature

\_\_\_\_\_  
Date

Parent Email: \_\_\_\_\_

Parent Phone #: \_\_\_\_\_

Parents are encouraged to communicate with the teacher through email at [mayweatherj@fultonschools.org](mailto:mayweatherj@fultonschools.org)

# Advanced Web design Pacing Guide

Weeks	Ga Pro Standards	Ctae Fou.
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<p><b>Week 1</b></p> <p><b>Week 2</b></p>	<p><b><u>BCS-AWD-1:</u></b> Students will explore web design concepts, the current state of the web, and technologies used on the web.</p> <p><b><u>BCS-AWD-2:</u></b> Students will examine ethical and legal issues related to web development.</p> <p><b><u>BCS-AWD-3:</u></b> Students will demonstrate an understanding of project management, phases, the use of teams, and portfolios in web development.</p> <p><b><u>Elements</u></b></p> <p>ELA12W1; ELA12W2; ELA12W3; ELA12RC2; ELA12RC3; ELA12C1; ELA12LSV1</p>	<p><a href="#"><u>CTAE-FS-9</u></a></p> <p><a href="#"><u>CTAE-FS-11</u></a></p>
<p><b>Week 3</b></p>	<p><b><u>BCS-AWD-4:</u></b> Students will demonstrate the ability to evaluate and develop a site’s aesthetic qualities.</p> <p><b><u>BCS-AWD-5:</u></b> Students will examine and apply website testing, publishing, and maintenance concepts.</p> <p><b><u>BCS-AWD-2:</u></b> Students will examine ethical and legal issues related to web development.</p> <p><b><u>Elements</u></b></p> <p>ELA12LSV1; ELA12LSV2; ELA12RC2; ELA12RC3; ELA12W2; ELA12RC4</p>	<p><a href="#"><u>CTAE-FS-1</u></a></p> <p><a href="#"><u>CTAE-FS-4</u></a></p>
<p><b>Week 3</b></p> <p><b>Week 4</b></p>	<p><b><u>BCS-AWD-3:</u></b> Students will demonstrate an understanding of project management, phases, the use of teams, and portfolios in web development.</p> <p><b><u>Elements</u></b></p> <p>ELA12W2; ELA12RC3; ELA12W3</p>	<p><a href="#"><u>CTAE-FS-8</u></a></p> <p><a href="#"><u>CTAE-FS-10</u></a></p>
<p><b>Week 5</b></p> <p><b>Week 6</b></p>	<p><b><u>BCS-AWD-6:</u></b> Students will demonstrate the effective use of multimedia.</p> <p><b><u>Elements</u></b></p> <p>ELA12RC3; ELA12W2; ELA12W3; SSWG2</p>	<p><a href="#"><u>CTAE-FS-2</u></a></p> <p><a href="#"><u>CTAE-FS-5</u></a></p>
<p><b>Week 7</b></p> <p><b>Week 8</b></p>	<p><b><u>BCS-AWD-6:</u></b> Students will demonstrate knowledge of web page layout fundamentals.</p> <p><b><u>BCS-AWD-7:</u></b> Students will explore advanced web page layout features and concepts.</p> <p><b><u>Elements</u></b></p> <p>ELA12LSV1; ELA12W2; ELA12W3; ELA12RC3; ELA12RC2</p>	<p><a href="#"><u>CTAE-FS-2</u></a></p> <p><a href="#"><u>CTAE-FS-4</u></a></p>

<p><b>Week 9</b></p> <p><b>Week 10</b></p>	<p><b>BCS-AWD-1:</b> Students will explore web design concepts, the current state of the web, and technologies used on the web.</p> <p><b>BCS-AWD-8:</b> Students will identify, compare and contrast, and use various scripting and mark-up languages used on the internet.</p> <p><b>Elements</b></p> <p>ELA12W2; ELA12RC3; ELA12W3</p>	<p><a href="#"><u>CTAE-FS-1</u></a></p> <p><a href="#"><u>CTAE-FS-2</u></a></p>
<p><b>Week 11</b></p> <p><b>Week 12</b></p>	<p><b>BCS-AWD-9:</b> Students will demonstrate advanced website development with HTML editors and scalable vector graphics programs.</p> <p><b>Elements</b></p> <p>MM3P4; ELA12W2; ELA12RC3; ELA12W3</p>	<p><a href="#"><u>CTAE-FS-6</u></a></p> <p><a href="#"><u>CTAE-FS-10</u></a></p>
<p><b>Week 13</b></p> <p><b>Week 14</b></p>	<p><b>BCS-AWD-6:</b> Students will demonstrate the effective use of multimedia.</p> <p><b>Elements</b></p> <p>ELA12W2; ELA12RC3; ELA12W3</p>	<p><a href="#"><u>CTAE-FS-1</u></a></p> <p><a href="#"><u>CTAE-FS-6</u></a></p>
<p><b>Week 15</b></p> <p><b>Week 16</b></p> <p><b>Week 17</b></p>	<p><b>BCS-AWD-9:</b> Students will demonstrate advanced website development with HTML editors and scalable vector graphics programs.</p> <p><b>BCS-AWD-10:</b> Students will demonstrate an understanding of the use of databases in site development.</p> <p><b>Elements</b></p> <p>MM3P4; ELA12W2; ELA12RC3; ELA12W3; MM3P4; ELA12RC3; ELA12W3</p>	<p><a href="#"><u>CTAE-FS-1</u></a></p> <p><a href="#"><u>CTAE-FS-6</u></a></p> <p><a href="#"><u>CTAE-FS-10</u></a></p>
<p><b>Week 18</b></p>	<p><b>BCS-AWD-3:</b> Students will demonstrate an understanding of project management, phases, the use of teams, and portfolios in web development.</p> <p><b>Elements</b></p> <p>ELA12W1; MM4P4; ELA12C1; ELA12W2</p>	<p><a href="#"><u>CTAE-FS-10</u></a></p> <p><a href="#"><u>CTAE-FS-11</u></a></p>



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	Projects	
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	<b>Final Exam 15 %</b>	
	Performance	
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*Student Signature*

\_\_\_\_\_  
*Date*

\_\_\_\_\_  
*Parent Signature*

\_\_\_\_\_  
*Date*

*Parent Email:* \_\_\_\_\_

*Parent Phone #:* \_\_\_\_\_

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# Fundamentals of Web design Pacing Guide

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<p><b>Week 1</b></p>	<p><b>BCS-FWD-1:</b> Students will demonstrate an understanding of the planning, development, and implementation of websites</p> <p><b>BCS-FWD-3:</b> Students will demonstrate an understanding of the history of mark-up languages.</p> <p><u>Elements</u></p> <p>ELA12RC3; ELA12LSV1; ELA12LSV2; ELA12W2; ELA12W3</p>	<p><a href="#">CTAE-FS-3</a></p> <p><a href="#">CTAE-FS-5</a></p>
<p><b>Week 2</b></p>	<p><b>BCS-FWD-4:</b> Students will demonstrate knowledge of languages, mark-up tags, and good coding practices commonly used to create web pages.</p> <p><u>Elements</u></p> <p>ELA12LSV1; ELA12RC3; ELA12LSV2; ELA12W1; ELA12W3; ELA12W2</p>	<p><a href="#">CTAE-FS-1</a></p> <p>CTAE-FS-4</p>
<p><b>Week 3</b></p> <p><b>Week 4</b></p> <p><b>Week 5</b></p>	<p><b>BCS-FWD-1:</b> Students will demonstrate an understanding of the planning, development, and implementation of websites.</p> <p><b>BCS-FWD-2:</b> Students will demonstrate an understanding of government, ethical, and industry accessibility compliance issues.</p> <p><u>Elements</u></p> <p>ELA12RC3; ELA12LSV1; ELA12LSV2; ELA12W2; ELAWLRC4</p>	<p><a href="#">CTAE-FS-8</a></p> <p><a href="#">CTAE-FS-9</a></p>
<p><b>Week 6</b></p> <p><b>Week 7</b></p> <p><b>Week 8</b></p>	<p><b>BCS-FWD-5:</b> Students will identify and demonstrate appropriate use of graphical elements for web pages.</p> <p><b>BCS-FWD-6:</b> Students will demonstrate knowledge of web page layout fundamentals.</p> <p><u>Elements</u></p> <p>ELA12RC3; ELA12W2; ELA12W3; SSWG2</p>	<p><a href="#">CTAE-FS-2</a></p> <p><a href="#">CTAE-FS-5</a></p>
<p><b>Week 9</b></p> <p><b>Week 10</b></p>	<p><b>BCS-FWD-1:</b> Students will demonstrate an understanding of the planning, development, and implementation of websites.</p> <p><b>BCS-FWD-7:</b> Students will create web pages using GUI-based HTML editing and graphics software.</p> <p><u>Elements</u></p> <p>ELA12W1; ELA12W2; ELA12W3; ELA12RC3; ELA12LSV2; ELA12LSV1</p>	<p><a href="#">CTAE-FS-8</a></p> <p><a href="#">CTAE-FS-10</a></p>

<p><b>Week 11</b></p>	<p><b><u>BCS-FWD-6:</u> Students will demonstrate knowledge of web page layout fundamentals.</b></p> <p><b><u>Elements</u></b> ELA12RC3; ELA12W3</p>	<p><a href="#"><u>CTAE-FS-1</u></a> <a href="#"><u>CTAE-FS-2</u></a></p>
<p><b>Week 12</b> <b>Week 13</b></p>	<p><b><u>BCS-FWD-4:</u> Students will demonstrate key knowledge of languages, mark-up tags, and good coding practices commonly used to create web pages.</b></p> <p><b><u>BCS-FWD-8:</u> Students will demonstrate an understanding of e-commerce practices.</b></p> <p><b><u>Elements</u></b> ELA12RC3; ELA12W1; ELA12W2; ELA12W3; MM4P5; SSEM13; SSEIN1; MM4P4</p>	<p><a href="#"><u>CTAE-FS-6</u></a> <a href="#"><u>CTAE-FS-10</u></a></p>
<p><b>Week 14</b> <b>Week 15</b> <b>Week 16</b></p>	<p><b><u>BCS-FWD-5:</u> Students will identify and demonstrate appropriate use of graphical elements for web pages.</b></p> <p><b><u>Elements</u></b> ELA12RC3; SSWG; ELA12W3; ELA12W2</p>	<p><a href="#"><u>CTAE-FS-1</u></a> <a href="#"><u>CTAE-FS-6</u></a></p>
<p><b>Week 17</b></p>	<p><b><u>BCS-FWD-6:</u> Students will demonstrate knowledge of web page layout fundamentals.</b></p> <p><b><u>BCS-FWD-7:</u> Students will create web pages using GUI-based HTML editing and graphics software.</b></p> <p><b><u>Elements</u></b> ELA12RC3; ELA12LSV2; ELA12W3; ELA12W1</p>	<p><a href="#"><u>CTAE-FS-1</u></a> <a href="#"><u>CTAE-FS-6</u></a></p>
<p><b>Week 18</b></p>	<p><b><u>BCS-FWD-5:</u> Students will identify and demonstrate appropriate use of graphical elements for web pages.</b></p> <p><b><u>Elements</u></b> ELA12RC3; ELA12W1; ELA12W2; ELA12LSV2; ELA12W3</p>	<p><a href="#"><u>CTAE-FS-10</u></a> <a href="#"><u>CTAE-FS-11</u></a></p>