Professional Web Site Development: Mr. Sell

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<th>Contact Info:</th>
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<tr>
<td>o Teacher: Mr. Stephen Sell</td>
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<td>o Phone number: 301-444-3534</td>
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<tr>
<td>o E-mail address: <a href="mailto:Stephen_P_Sell@mcpsmd.org">Stephen_P_Sell@mcpsmd.org</a> (Best Method)</td>
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<tr>
<td>o Website: <a href="http://www.techshrek.com">http://www.techshrek.com</a></td>
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Overview: In this course students are introduced to the basic concepts underlying web site development and design. Students learn to develop web content within the context of current web languages (HTML5, CSS3, Javascript, jQuery), frameworks, and technologies. In addition to the technical aspects of web development, students are also introduced to usability, accessibility, and design standards espoused by the professional web development community. The overarching goal of the course is for students to leave with the skills necessary to develop professional, standards-compliant web sites.

Units of Study:

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<th>Unit</th>
<th>Summary Statement</th>
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<tr>
<td><strong>Design &amp; Standards</strong></td>
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<tr>
<td>Fundamentals</td>
<td>Lessons cover a basic understanding of the Internet, who uses it, and how it is used. We will explore a variety of Web Design Tool, browsers, &amp; methods on the Web. Movements in web design using good accessibility and usability are emphasized.</td>
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<tr>
<td>HTML5 &amp; CSS3</td>
<td>The lessons in this unit introduce students to proper coding techniques using a text editor and following the current standards of HTML 5.0 and CSS3. Foundational HTML tags, lists, tables, and block and inline elements are covered. Cascading Style Sheets are introduced through inline, internal and external uses.</td>
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<tr>
<td>Designing Web Sites</td>
<td>Although briefly covered in the introductory lessons, the principles of design are important enough to be covered again more thoroughly. The lessons in this unit explore color theory. This includes color harmony, color context, and symbolism. Creating efficient navigation systems for small and large websites as well as how to work with and create graphics that enhance design are also covered.</td>
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<tr>
<td>Graphics</td>
<td>Will include exploration of proper basic graphic creation using good design techniques. A variety of tools are discussed and explored. Proper use of color is emphasized.</td>
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<tr>
<td>Creating a Portfolio</td>
<td>Students may design an electronic portfolio of their work – showing their progress as web designers. This portfolio will incorporate material from all previous units.</td>
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<tr>
<td>Forms</td>
<td>Students learn to develop and style accessible forms for data collection, as well as implement back-end handling of input data for email.</td>
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<tr>
<td>Forms, Animation, &amp; Dynamic Web Development</td>
<td>Students research issues related to acquiring domains and hosting accounts, and they transition sites from development to production environments. Students learn to improve search engine listings and rankings, analyze site performance and use, promote site content across various social media platforms, and incorporate syndicated content into their own sites.</td>
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<tr>
<td>Mobile Devices</td>
<td>Students consider issues related to making content accessible and appealing to users when accessed through mobile devices</td>
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Students learn to craft interactive rich media content using Adobe Flash. They plan and implement this rich media content with design and usability considerations for how the content can enhance a website and promote its purpose. Students consider audience and technical requirements.

Design & Standards will be an on going component of the course. It is required that students create standards-based web pages (HTML 5.0). All assignments and projects must validate to these standards before uploading or presentation to the teacher. In addition, after the introductory design lessons students must make a complete effort to conform to the elements of good design.

Grading:

Grades will reflect individual achievement of the course objectives for a specific marking period.

All works is expected by the due date. The deadline is the VERY next instructional day unless otherwise noted. Work turned in ONE day after the due date (the deadline date) will be accepted with a 10% penalty. ALL work turned in AFTER the deadline date will not be accepted for credit. To put it simply, hand in all work on time.

Completion grades (Homework – if any, warm up and/or activator work, small work) = 10%
Formative Assessments (quizzes, small projects, on screen in class check for work) = 40%
Summative Assessments (tests & large projects) = 50%

- This class has a MCPS REQUIRED FINAL EXAM! -

Classroom Expectations:

1. All Clarksburg High School, County policies, and Lab Regulations will be enforced in the classroom. You signed a Technology Code of Ethics form - you are expected to adhere to it.

2. Respect yourself and each other, by:
   a. Not talking while someone else is talking, especially the TEACHER.
   b. Demonstrate respect for all individuals and property in the classroom at all times.
   c. Not disrupting the class in any way detrimental to learning. It is expected that all students will complete their own work and spend 100% of each class working only on Web Site Development assignments.
   d. Be in your seat with necessary materials out, and ready to work when the bell rings.

3. Students are not allowed to have food, drink, or candy in the classroom. Any repeat offenders of this will be dealt with accordingly.

4. You are not to leave class unless your agenda has been signed by the teacher, you have the appropriate hall pass, or you are accompanied by a staff member. Note: - you must be granted permission to leave the room.

Standard Operating Procedures (Daily Routine):

- Bring paper, pen, pencil, and binder/folder to class everyday.
- Read the Warm Up & agenda on the screen as you enter.
- Immediately log on to your assigned computer and sit at your assigned seat. Complete the Warm Up for the day on a separate sheet of paper. List the date and the answer for each Warm Up in your notebook.
- Ask questions when appropriate. When a question relates to software use the help menu, ask a neighbor for help first BEFORE asking the teacher.
- All completed code assignments should be formatted as shown below for identification purposes:
- All complete hard copies are to be turned in to the appropriate bin for your class. All assignments are available in the handout folder or on the class website. MOST large coded projects will require that you turn them in BOTH hard copy as well as electronic copy.
- Each class will begin when the bell rings. At this time students should be in their assigned seat. Students that arrive after the bell without a documented excuse will be documented as unexcused tardy. It is the student’s responsibility to keep up with their attendance in the class. School policy regarding tardiness, loss of credit, and the associated appeal process applies.

IN HTML:

```html
<--
John Doe
Period 7
Assignment Name
Date
-- >
```

IN CSS:

```css
/*
John Doe
Period 7
Assignment Name
Date
*/
```

**MP3 Player, Mobile Device Classroom Use Policy:**

MP3 Players and Mobile Devices are NOT to be used in class. However, the teacher may permit MP3 devices with headphones during large ongoing projects. Also, the teacher may permit the use of smartphones for pictures or videos of classroom work ONLY. Including any students in any pictures or videos is in violation of student’s rights and will not be permitted.

**Cheating:**

Cheating and lying will not be tolerated. Communication between students during an individual assignment (test and quizzes) is prohibited. Cheating includes plagiarizing and paraphrasing (taking someone’s work and changing the words “a little”), as well as using someone else’s files or creations and passing them off as your own. In each case, ALL students involved are subject to earning a zero for the respective assignment.

**Extra Help:**

I welcome and strongly encourage students to schedule time for extra help. This time can be scheduled during lunch, before or after school. **DO NOT PROCRASTINATE - ASK QUESTIONS!** Feel free to use the contact information listed to share with me your questions and concerns.

**Remind 101 Sign up:**

Students and/or parents can sign up for reminders of large project due dates or upcoming tests. This is NOT Mr. Sell’s cell phone number nor does Mr. Sell see or have access to your cell phone number. This is NOT required but is encouraged. See directions below to sign up:
Period 1:

**Grab Your Phone!**

Tell students & parents to grab their phones and follow the steps below to sign up for your Web Dev 2013-14 Per 1 messages.

To:

(906) 629-1749

Enter this number

This is your Remind101 number we created for you to keep your personal number secret.

Message:

@web-dev-1

Text this message

This is the unique class code that we created for your Web Dev 2013-14 Per 1 class. Each class gets one. Give this to your students and parents too.

Period 7:

**Grab Your Phone!**

Tell students & parents to grab their phones and follow the steps below to sign up for your Web Dev 2013-14 Per 7 messages.

To:

(906) 629-1749

Enter this number

This is your Remind101 number we created for you to keep your personal number secret.

Message:

@web-dev-7

Text this message

This is the unique class code that we created for your Web Dev 2013-14 Per 7 class. Each class gets one. Give this to your students and parents too.