TOPIC: XHTML Tables/Web Graphics – Collaboration Project

BRIEF DESCRIPTION:
Students complete a 4 page web site consisting of content and graphics created as part of a collaborative project, using cloud computing to maximize collaboration. A Dropbox is used for storage and sharing.

STANDARD(S) & INDICATOR(S):

NJCCCS
8.1.4.A.3. Create and present a multimedia presentation that includes graphics.

Common Core Standards for Technical Subjects
RST.11-12.7. Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem.

OBJECTIVE(S):
Students Will Be Able TO:

- Write web site content
- Design graphics that illustrate a topic
- Identify the appropriate graphic file types for the web
- Develop a web site using content and graphics

MATERIALS: Computer, Projector/Smartboard, CSE Validator Lite, PhotoShop

LIST OF HANDOUTS (attach original copies of each handout)

- Creating Web Graphics
- Web Design/Development Collaboration Project
BACKGROUND INFORMATION: Students are proficient in creating web pages that incorporate tables and graphics.

EDUCATION TECHNOLOGY INTEGRATION: Computer software programs associated with web page creation. Use of the internet for searches for content and images.

CLASSROOM ACTIVITY DESCRIPTION (LABORATORY/EXERCISES/PROBLEMS), including detailed procedures:

Day 1
1. Instructor will answer any questions that students have regarding project teams and specifications. (15 mins.)
2. Students will work collaboratively in pairs to research their topic and write content. (90 mins.)
3. Instructors will circulate, assisting students and assuring the literacy standards are put into practice. (90 mins.)

Day 2
1. Instructor will review copyright and how this will be adhered to and sited as part of their web site project. (20 mins.)
2. Students will review the proper Graphic file types for the web site project. (15 min)
3. Using the content written as a guideline, students will work together to design and create graphics that will accent their web site, creating a theme that will carry throughout the web site. (45 mins.)
4. Using the design layout created, students will create the home page using XHTML tables. (50 mins.)
5. Instructors will monitor student progress and provide assistance as needed. (100 mins.)

Day 3
1. Instructor will introduce the XHTML mailto tag. (15 mins.)
2. Along with instructor, students will review project specifications. (15 mins.)
3. Students will collaborate on the creation of the sub pages, following the theme adopted for the home page. (90 mins.)

Day 4
1. Instructor will review project specifications and survey progress. (15 mins.)
2. Students will complete their web site. (60 mins.)
3. Students will test their web site. (15 mins.)
4. Students will make final modifications to their web site. (30 mins.)

Day 5
1. Students will attend the Hispanic Heritage Month celebration.

SAMPLE QUESTIONS TO ELICIT CLASS DISCUSSION:
- What is Copyright and how do we adhere to the guidelines?
- What are Web-Ready Images and how are they created?
PARAMETERS TO EVALUATE STUDENT WORK PRODUCTS:
Students complete a 4 page web site consisting of content and graphics.
The Web site is graded for the following:
- Graphics that illustrate a topic.
- Appearance
- Development (code validation)

REFERENCES:
Reference: Introduction to Web Design, Chapter 1.3

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