5 E's Lesson Components

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WEBSITE DESIGN 1.0
Creating a Homepage

I. Engagement: The activities in this section capture the student's attention, stimulate their thinking and help them access prior knowledge.	• Demonstration of a good website's homepage; hover over image-mapped graphics to show pop-ups, review navigation menu, discuss design elements of homepage including color scheme, font choices, and text-to-picture positioning.
II. Exploration: In this section students are given time to think, plan, investigate, and organize collected information	• Students draw a full color picture of what their intended homepage ought to look like when complete • Students construct a preliminary model of their homepage using basic HTML coding learned in a previous unit but do not test it or view it – just code-writing to accomplish the homepage in their picture
III. Explanation: Students are now involved in an analysis of their exploration. Their understanding is clarified and modified because of reflective activities	• Students explore the actual homepage they've created using code and identify areas that didn't come out as they thought by comparing with their drawing
IV. Extension: This section gives students the opportunity to expand and solidify their understanding of the concept and/or apply it to a real world situation	• Students discuss with each other the areas of their homepages that didn't come out as they thought and collaborate (on computers) to identify the coding issues that caused these problem areas; students then go back and amend their code according to this discussion; repeat as necessary until electronic homepage matches drawing of homepage.
V. Evaluation: This section provides assessment of student self understanding and abilities and lets teachers evaluate students' understanding of key concepts and skill development	• Students complete a self-assessment of their own homepage as well as one other student's homepage, then compare self-assessment with peer's assessment. Teacher will use both assessments plus his/her own rubric for the assignment when grading.