

Unit IV Research Paper Topic

With this assignment, you will begin working on your research paper, which will be due in Unit VIII. See Unit VIII assignment instructions for more details about the final requirements for the Research Paper.

Please select one of the topics below and prepare a well-organized and thoughtful summary for your research paper. The topic chosen should expand on what you are learning during this course. Show how you understand the issues with life experiences from the fire service. A title page and reference page are required, but are not included in the research paper required page count.

Topics from which you may choose include:

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- Smoke movement in buildings
- Fire movement in buildings
- The importance of measurement in understanding fire behavior
- Chemical elements that are especially important in fires
- Fuel-lean, stoichiometric, and fuel-rich combustion
- The three states of matter
- The components of fire
- The physical and chemical properties of fire
- The chemistry and dynamics of fire
- Materials and their relationship to fires as fuel
- The characteristics of water as a fire suppression agent
- Suppression agent strategies, methods and techniques of fire extinguishment

NOTE: If you have a different topic you would like to research, submit your topic proposal to your instructor and have it approved before writing your summary outline.

Your summary should be 200 to 300 words in length. Also, you must list at least one of the sources that you will be utilizing for the research paper. You are required to use your textbook as one of the source materials for your final paper. You should also use a minimum of three sources total. All sources used, including the textbook, must be referenced; paraphrased and quoted material must have accompanying citations.

Information about accessing the Blackboard Grading Rubric for this assignment is provided below.