

Word Count

Full Name

Hour #

Module Name

Day 10 CrWr

Date

http(s) copied and pasted from the internet site you found for paragraph FOUR below

- 1 **Remember to SAVE TO YOUR FILE LOCKER!**
- 2 Right-align and single-space the **seven-line heading** - - like the one above
- 3 Double space the **five paragraphs** of your paper. Hint: Go to the menu bar to Format > Paragraph >Line Space>Double Space.
- 4 Edit your rough draft on the computer. Do a spell check too. Print out your rough draft.
- 5 Have another person edit your rough draft and write "Edited by \_\_\_\_\_" on the first page of the rough draft.
- 6 Make corrections on the computer according to the edited draft (those items with which you agree).
- 7 Go to Tools in the Menu Bar >Word Count. **Type** the word count on the final copy as shown in the heading above.
- 8 Print out and proofread your final copy. Staple final copy on top of rough draft.
- 9 Show paper to instructor and then place your assignment in your folder in the 2nd drawer of the tan file cabinet.

(500 words A; 400 words B; 300 words C)

**Background:** In this module you have learned about building safe structures. The triangle is used in truss construction due to its strength. Four basic forces act upon any structure, weakening its structural integrity. Tension pulls, compression squeezes, torsion twists, and shear scissors. Safe structures are built using good design, engineering, and construction techniques.

**Scenario:** According to a recent newspaper article, residents of Millersberg are concerned that the 4th Avenue Bridge is rusting and appears to be sagging at the center. This is a 120 year old structure that has been ravaged by the Tappan Creek below and is experiencing heavy truck traffic headed to the Smith Gypsum Plant off I-77. Residents do not want the old bridge torn down because of its history.

Suppose you are the Turner County civil engineer. Eventually you'll have to respond to this problem. What if you had to start today on a design for a new bridge? You'll need to argue why the old bridge must go and how you can use a particular type of structure with suitable materials to make a new bridge look historic and still be safe for modern traffic. Write a persuasive essay.

**1<sup>st</sup> Paragraph:** Write an introduction by explaining the above scenario in your own words.

**2<sup>nd</sup> Paragraph:** Using **vocabulary** you learned in your module, tell what type of bridge structure you will propose, and tell what materials you plan to use to build the bridge. **Sketch** a quick design of your bridge idea on a separate sheet of plain white paper and hand it in with this critical writing.

**3<sup>rd</sup> Paragraph:** Using engineering vocabulary, discuss how you will make the bridge look historic and yet be safe.

**4<sup>th</sup> paragraph:** Go out to the Internet and research words pertaining to your critical writing; include what you have found (IN YOUR OWN WORDS).

**5<sup>th</sup> Paragraph:** For your closing summary, give at least two reasons why the old bridge must go. Tell what you would say to convince the residents that you can replace the old one with one they will like.