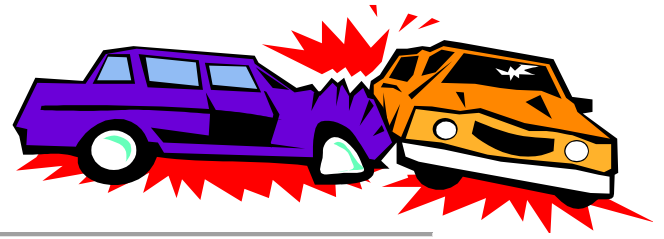


Car crash parent letter:

Physics/Biology/Engineering/History



Directions: Write a letter to your parents (family or a VIP) to show your understanding of the important ideas we have investigated in class.

Your letter should have three parts: introduction, body (a paragraph for each topic) and summary.

***Introduction:** Please date your letter and use a personal salutation.

Dear Dad and Mom,

Answer the question: *Why is this topic important to teenagers?*



(1x5 points) _____

***Body of letter:** **Science and Math explanations:**



***Select any 3 items (3x20 points each= 60 points) _____**

- A. Use/define the term inertia to explain why people should wear seatbelts.
- B. Use/define the term impulse to explain why engineers design crumple zones into cars to save lives.
- C. Explain the three collisions that occur in a crash.
- D. Describe how much force people in experience in collisions of different speeds and weight.

Try to use one paragraph per idea and "tie" the information together in the letter.

The history, engineering, statistics, & other knowledge



***Select any 5 items (10 points each x 50 points) _____**

- H. Explain what happens when two cars crash into each other. (The cars are different weights.)
- I. Describe the pros and cons of airbags and how they might be adjusted.
- J. Compare and/or contrast safety features found in new vs. older cars.
- K. Describe causes and solutions of *Distracted driving*.
- L. Explain what you know about the importance of tires.
- M. What facts from the internet would you show your parents when considering buying a vehicle?
- N. What statistics did you find interesting as we investigated the causes of car crashes?
- O. Describe an activity, a video or activity that you learned the most from.

You may want to illustrate (draw and label/describe an object) in some parts of your letter.

***Summary:** *How will you use this information in the future?* (1x5 points) _____

Complimentary closing:

Yours Truly, sign your full name in ink. and print your name below it.

150 points total. _____

Tom Zerr, 8th gr. Science
Augusta M.S., Augusta, KS

