## Car crash parent letter:

Physics/Biology/Engineering/History

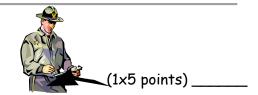


Directions: Write a letter to your parents (family or a VIP) to show your understanding of the important ideas we have investigated in class.

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?



## \*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 <u>per idea</u> 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. <u>Describe</u> 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. <u>Describe</u> 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.

<b>Summary:</b> How will you use this information in the future? (1x5 points)	*Summary	How will you use	this information in the	future? (1x!	ō points)
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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