TECHNOLOGY EDUCATION WRITTEN REPORT

You may earn points that count toward your scholarship grade by writing a report on a topic that relates to an area you have or will be studying in the Technology Education class. You can do a report to make up days of absence or just to improve your grade. Carefully choose a subject that interests you. The following are guidelines concerning how the report should be done.

1) Reports should be single spaced if hand written or double spaced if typed. They may be handwritten in pen on lined paper, typed, or printed on a computer printer. Regardless of the writing method, all work should be your own.
2) A 1" margin may be used at the top of the page and on the left and right sides.
3) The report should be primarily in your own words, **not** copied word for word from a book, encyclopedia, internet, etc. The source should be listed, including author, source, page numbers and copyright date.
4) The points earned will be determined by the content, how well it is written, neatness, and spelling.
5) Approval does not need to be obtained from the teacher before starting the report, but **be sure that you do it on a subject related to technology education** and that you follow the guidelines listed on this paper. (See the sample student written report page on the back of this paper for clarification).
6) **EXTRA CREDIT:** Up to 20 points can be earned for each page of the report. 100 points can be earned before mid term and another 100 points can be earned by the end of the term. Reports will not be accepted later than three days before mid term or the end of the term.
7) **MAKE-UP:** You may write one page of report for each day of absence. Reports must be turned in within five days of your return to school after an absence.

SOME SUGGESTED TOPICS ARE:
   CAREERS that we are exploring in class such as carpenter, machinist, computer operator, engineer, draftsman, etc.
   TOOLS AND MACHINES used in class such as saws, hammers, drill press, computers, robots, lasers, etc.
   MATERIALS used in class such as wood, plastic, metal, etc.
   PROCESSES used in class such as welding, painting, drafting, etc.

SOME SUGGESTED RESOURCE MATERIALS ARE: Encyclopedias, resource books, magazines, internet or talking to someone who works in the career.

Lasers

The word laser is an acronym that stands for: Light Amplification by Stimulated Emission of Radiation.

A laser is a machine that produces of beam of light called a laser beam. The laser beam is a concentrated beam of light that travels a very narrow straight path.

Lasers are being used around us everyday. When you go through the checkout stand at the supermarket, a laser is used to read the UPC symbol on the package of the product you are buying. As the laser reads the symbol it is transmitted to a computer that identifies the product and tells how much it costs.

In the medical field doctors are using lasers for surgery because it causes very little if any bleeding. A tiny laser is very useful in eye surgery.

Telephone and television communication systems use laser beams and fiber optics to transmit telephone calls and television programs

In manufacturing and construction lasers are used to survey, measure distances, cut, heat and weld a variety of different materials.