

## **UNIT 3 SAC 2 - DUE DATE WEDNESDAY 14<sup>TH</sup> JUNE**

***Describe and evaluate a range of new or emerging technologies, and analyse the likely impacts of a selected innovation.***

Some examples include electric cars ([www.betterplace.com](http://www.betterplace.com)) or super capacitors, glass by corning (youtube search - corning a day made of glass), new technologies in the automotive industry (battery power etc), laser cutting etc. Also refer to page 279 of your workbook and p41-48 textbook.

You need to write a typed report between 500-1000 words under the following headings below. Hand written reports will not be accepted. You need to use a range of resources including newspaper articles, textbooks and the internet and must include written information and diagrams. All information you use must be referenced, stating the source of the information and a full bibliography must be included at the end of the report. This report will be marked out of 50 and contribute to 10% of you final study score

1. Describe a range of new or emerging developments in system engineering processes, products and components including, how they work and their applications. 15 marks
2. Explain the reasons for, and the drivers of, the development of new emerging technologies  
10 marks
3. Analyse the impacts and the potential of the new and emerging developments  
10 marks
4. Analyse information about a specific new or emerging systems engineering innovation.  
15 marks

**IMPORTANT NOTE: Plagiarism is viewed extremely seriously at this level. Should it be discovered that two or more students have partaken in such practices then all those involved will be dealt with under VCE regulations. Unless you have a medical certificate late work will not be accepted and you will be given a score of ZERO.**