

# AUTOMOTIVE and MECHANICAL SYSTEMS

## Level 2

### Common Assessment Task

#### Work Requirements:

N/A

#### Assessment Type:

Short response

#### Criteria being assessed:

- Criterion 6 - element 1
- Criterion 7 - elements 5 and 6

#### Suggested conditions:

- This task should take learners no more than 2.5 hours.
- Presented using either word processing software e.g. Google docs, Microsoft Word (4 pages) or using presentation software e.g. Microsoft PowerPoint, Google slides (8 slides).
- This task requires an individual response by each learner.

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#### Task Description:

You will write a report or create a PowerPoint presentation on an alternative fuel. The fuel will keep your car manufacturing company ahead of the competition in efficiency and cost once fossil fuels are phased out. You will present this to the head of the company.

#### What you need to do:

You will write a 4 page report or create an 8 slide presentation to be given to the head of your car manufacturing company.

1. Choose one of the following topics:
  - Hybrid/Electric
  - Bio Diesel
  - E85
  - Hydrogen Fuel Cell
  - LPG
  - Liquefied Natural Gas
  - Compressed Natural Gas
  - Nitrous

- Methanol

**2. Create a report or presentation to include:**

- be a minimum length of 4 pages or 8 slides
- have an introduction
- have written paragraphs of information as the main section
- include pictures and/or diagrams
- explain how the fuel will work in roadworthy mainstream vehicles (and give current examples if you can find any)
- have a conclusion
- have a reference page

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**Teacher use only - What needs to be submitted for assessment?**

**Produce a report 4 pages or a presentation of 8 slides.**