

PHYSICS Level 4

Common Assessment Task

Work Requirements:

Applications of Physics

Assessment Type:

Extended response

Criteria being assessed:

- Criterion 3 - elements 1, 3, 4 and 5
- Criterion 4 - elements 1, 2, 3, 4, and 5

Suggested conditions:

- The task should take around 2.5 hours.
- The response should be no more than 1200 words maximum.
- Responses should be submitted electronically in a single document.
- This task requires an individual response by each learner.

Task Description:

Summarise and discuss three articles related to applications of physics in the broader community.

What you need to do:

Select three different articles related to the one topic of your choice where contemporary physics has some impact of society:

- The articles can be from any sources including newspapers, magazines, and the internet
- The articles should be current and can each discuss the same topic from different perspectives
- Your topic should be different topics chosen by others
- The articles should be different from everyone else in class.

Write a short report about your chosen topic with at least one paragraph that outlines a brief overview of each article. The response should be no more than 1200 words maximum and include:

1. a discussion of the reliability of each of the sources
2. a brief description of the physics involved
3. the similarities and differences between each of the articles – describing any issues with their tensions and connections with society

4. a discussion of the impact on society, including potential benefits and harms (this should be as broad as possible and may include areas of impact beyond those mentioned in the articles)
5. a reasoned conclusion
6. a bibliography referenced using an accepted style chosen by your teacher.

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

Learners respond to the questions in a separate document, clearly identifying each article they are responding to.

The referencing style should be communicated to learners and be commonly accepted, for example Harvard or APA.

The response should be no more than 1200 words maximum.