

## PW4. Applications of Physics Research Project

To get you started please visit the following website for ideas.

<https://sites.google.com/staugustines.ie/applicationsofphysics/home>

You must choose **one** application of physics only. For example, your topic may be on windmills only or gps satellites only, not both.

### Success Criteria

- The project must be approximately 2 pages, but no shorter than 1½ and no longer than 3 pages (text size 12).
- It must include a scientific explanation behind the chosen application.
- Any scientific terms used must be explained fully.
- The project must include 1 suitable image (picture or diagram) that helps explain the application.
- The impact(s) (positive and/or negative) of the application on society and the environment must be explained.
- You will be graded using the following rubric.

<b>Expert</b>	<b>Capable</b>	<b>Beginner</b>
The vast majority of the project is in the students own words.	The project contains sections that are not in the students own words.	The project is mostly copied and pasted from other sources.
The science behind the topic is clearly explained.	The science behind the topic is partially explained, some scientific terms may not be explained.	The science behind the topic is poorly explained.
The image used is clear, helps to explain the topic and is referred to in the project.	The image used helps to explain the topic.	The image used does not help to explain the science behind the topic.
The impact of this topic on society are discussed in detail.	The impact of this topic on society is discussed.	The impact of the topic on society is stated and not discussed in any detail.
The impact of this topic on the environment are discussed in detail.	The impact of this topic on the environment is discussed.	The impact of the topic on the environment is stated and not discussed in any detail.
Sources of information are clearly acknowledged when used throughout the project.	Sources of information are listed at the end of the project.	No sources of information are given