**Term One Project**

**Subjects: Biology and Physics**

**Topics:**

**Y11 British students** can choose any of the following topics:

1. Laws of reflection, refraction, and internal reflection with respect to human eye structure and function
2. Eyeglasses VS Lenses:

Types of lenses in according with accommodation in Human eye: Near sighted and far-sighted situations

1. The Science of radiation and the effect in Human beings related to mutations and cancer.
2. Medical applications of radiation (MRI and Ultrasound in pregnancy)
3. Electrical transmission of current through wires VS nervous transmission via neurons/ Nerves

**Terms and Conditions:**

1. Groups of 4 students choose one topic and work accordingly
2. A scientific report summarizing the research should be handed with the chart
3. Due date: 31st October 2022
4. Rubrics summarizing the points to be evaluated will be as follow:

**Biology and Physics:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Excellent  3 points | Good  2 points | Needs Improvement  1 point |
| Content | Content coincides with the topic chosen | Content is somehow related to the chosen topic | No relation between the topic and content |
| Cleared relations | Physics concepts are clearly applied on biological concepts | Missing concept or formulas in physics as well as parts of the system in Biology | Relations were not directly mentioned in the project |
| Creativity | New design idea and  presentations | Previously used ideas | Copy pastes from net |
| Neatness | Information typed, color matching, background effects | Handwritten information | Handwritten information and no color matching design |
| Overall design | Excellent overall project to be displayed on the bulletin boards | Have a chance to be displayed on the bulletin boards | Not attractive to be displayed |