**Logo, company name

Description automatically generated**

**Year 11 General Human Biology**

**Task 7: Project – Control of infectious diseases (15%)**

RESULT

/ 50

**Task 7**

**TYPE:** Project

**CONTENT:** Infectious diseases

**WEIGHTING:** 15%

**Student Name: ­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Due date: \_\_\_ / \_\_\_ / \_\_\_\_\_\_\_\_\_\_**

**Teacher:** Mrs Cunningham

**CONDITIONS:**

Must be completed individually.

8 lessons allocated.

50 Marks

**TASK DETAILS:**

Select and explore a claim related to the control of infectious diseases. You are required to analyse and synthesise information from at least two different sources to produce a persuasive newspaper or blog article to support the claim by explaining the relevant scientific concepts involved and describe its impact and/or influence on society.

|  |  |  |
| --- | --- | --- |
| **Project Part** | | **Number of Marks** |
| Part A | **Research** | **/** 15 |
| Part B | **Draft persuasive newspaper/blog article** | / 10 |
| Part C | **Final newspaper/blog article** | / 25 |
| **Total:** | | **/ 50** |

**Infectious Diseases**

Infectious diseases are caused by pathogens that are transmitted between individuals. Some infectious diseases can make individuals very sick, cause ongoing complications and may even result in death.

The Australian National Immunisation Schedule outlines a range free vaccinations available from birth to adulthood. Immunisation protects individuals from specific infectious diseases and their complications.

If you contract an infectious disease, you may be treated with antimicrobial medications, such as antibiotics and antivirals. These medications do not provide immunity; however, they can help to kill the pathogen or stop it multiplying, ease symptoms and shorten the length of infection.

Research one of the following issues, or an alternative issue approved by your teacher, by gathering evidence from at least two different credible sources. One source is provided for each issue to get you started. You will then be required to use your research to prepare a persuasive newspaper or blog article to support the claim.

**Claim options:**

**Claim 1: Immunisation is the safest and most effective way to develop herd immunity**

National Immunisation Program Schedule

<https://www.health.gov.au/topics/immunisation/when-to-get-vaccinated/national-immunisation-program-schedule>

**Claim 2: Antibiotic resistance is a global concern**

<https://www.who.int/news-room/fact-sheets/detail/antimicrobial-resistance>

**To complete this task:**

* Select an issue to explore further.
* Identify the relevant scientific concepts associated with the claim.
* Conduct research to
* explain the scientific concepts identified
* describe the impact of the claim on individuals
* describe any impacts the claim may have on society.
* Prepare a draft persuasive newspaper/blog article.
* Prepare the final persuasive newspaper/blog article.

**Checkpoints:**

|  |  |  |
| --- | --- | --- |
| ☐ | Week 11 | Select issue and identify relevant scientific concepts for research |
| ☐ | Week 11 | Identify sources and conduct research |
| ☐ | Week 12 | Submit draft article for feedback |
| ☐ | Week 12 | Submit final article |

**Authentication strategies:**

The teacher will:

* provide class time for task completion
* monitor progress at specified check points
* collect and annotate drafts.

The student will:

* maintain a journal to document their progress
* acknowledge all sources.

**END OF ASSESSMENT**