**SHE outline**

**The below demonstrates an outline you can follow for your SHE task:**

1. Introduction: (100-200 words)

2. Psychological Concepts and Background (200-300 words)

3. Interaction between Science & Society (2 x 300-400 words)

a) Communication and Collaboration

b) Development and Application

c) Influence

4. Impact on societal groups (100-200)

*\*\*Please note if you have covered this within Interaction between Science and Society you will not need this paragraph\*\**

5. Conclusion (200 words)

**Introduction: (100-200 words)**

* Identify the topic and why it is important (be clear what the recent discovery, innovation, issue or advancement is)

* Outline: who, what, where, when, why.
  + Using correct psychological terminology (not just researched facts and/or figures)

* Briefly explain how your investigation will show the interaction between **science and society** 
  + SHE concept is **explicitly** stated (it is advised to *italicise* the concept)
    - *communication & collaboration* or *influence* or *development and application*

**Psychological Concepts and Background (300 words)**

* Explain the psychology behind the recent discovery, innovation, issue, or advancement
  + This should be a brief overview of the science involved and relevant psychological concepts
    - This should support your report but not be the focus).

* Give background information on the recent discovery, innovation, problem etc
  + This concept(s) didn’t come out of nowhere

* Briefly describe the key elements of the research
  + What are the scientists looking at doing?
  + How are they doing it?

**Interaction between Science and Society (2 x 300-400 words)**

* In this section you need to show how the innovation, issue, or advancement illustrates the interaction between science and society

To achieve this there should be:

* A clear demonstration of the interaction between science and society

* The (potential) impact on society and science
  + A discussion about how society influences science
  + A discussion about how science influences society

* To achieve the above, link the innovation, issue, or advancement to **2 or 3** of the SHE concepts- *each SHE concept will have its* **own** *paragraph* 
  + Ensure that you refer to the elaborations in this step, rather than just referring to the titles of the key concepts

|  |  |  |
| --- | --- | --- |
| **Communication and Collaboration** | **Development and Application** | **Influence** |
| Science is a global enterprise that relies on clear communication, international conventions, and review and verification of results. | Developments in research and technology lead to advances in psychological understanding. | Psychological knowledge and its application are both influenced by, and influence economic, sociocultural, religious, ideological, political, and environmental perspectives in a local, national, and global context. |
| Collaboration between psychologists and stakeholders advances research and understanding. It requires shared evidence from many sources in a multidisciplinary approach. | The application of psychological understanding can enable scientists to develop solutions, design actions, and evaluate and respond to economic, sociocultural, and environmental factors. | The use of psychological knowledge may have positive, negative, or unexpected consequences that require monitoring, assessment, and evaluation. The use of psychological knowledge must take into account risks and ethical considerations. |

**Communication and Collaboration**

* + In this section you need to show how the innovation, issue, or advancement links to **Communication and Collaboration**

|  |  |
| --- | --- |
| **Elaborations** | **Tick or X**  **if this applies** |
| How was this collaboration done?   * + A discussion of the contribution of any individuals, teams or organisations that were involved in the development of the topic being discussed |  |
| Describe how different types of scientists (psychologists, biologists, chemists, etc) and other stakeholders (drug companies, community members, etc) are involved in addressing this problem.   * + Describe who is communicating and collaborating.   + Think of all the organisations, from school groups to the United Nations, universities, action groups, professional organisations, local organisations, community groups, etc who are involved with the issue.   + Think of individual scientists and teams of scientists- how they are communicating results and working together to add to knowledge. |  |
| International collaboration is also often required.  Think of all the international organisations involved, any conventions, rules, conferences, etc. The publication of science journals which are all online, international conferences and agreements involving governments and the United Nations are all part of this   * + Describe who and what organisations are collaborating, and what benefits or issues arise from international collaboration. |  |
| A discussion of the contribution of any individuals, teams or organisations that are involved in recent research or programs addressing this. |  |
| How is the finding communicated to the public? |  |
| How are the organisations involved communicating to one another? |  |
| Who has access to this information? |  |
| Review/verification of results? (peer reviewed) |  |

**Development and Application**

* + In this section you need to show how the innovation, issue, or advancement links to Development and Application

| **Elaborations** | **Tick or X**  **if this applies** |
| --- | --- |
| A discussion of how the research informs public debate, or the psychology is linked to public debate. Where new factors or limited data exist, limitations result.   * + Describe what the debate is and any limitations |  |
| A discussion about how the research progressed a discovery in response to an economic, social, cultural, environmental or sustainable factor |  |
| Application of our knowledge may also have consequences – beneficial or unexpected.   * + All applications require monitoring and evaluation of risk and can provide further opportunities. Multiple lines of evidence come from a range of needs and values. Describe these. |  |
| What new understandings about this have come to light in recent years and how these have changed our approach to addressing the issue. |  |
| A discussion about how new technologies have improved data collection and analysis, revealing new evidence that has led to modified actions in order to address an issue   * + Describe the new technologies and the impact they are having on old ways of seeing or doing. Who or what is resisting change?     - For example a new social media app has been created which led to the discovery that students are using Facebook more than ever which has caused government restrictions |  |
| A discussion about how the research/program progressed a discovery in response to an economic, social, or cultural factors   * + Such as the impact of addiction on mental health, school engagement etc.) |  |
| How have developments been utilised to solve problems? Who is impacted? Who has access to these applications? |  |
| Science impacts the development of technologies and engineering of products and is in turn influenced by societies need for technological advancements. |  |
| A discussion of the purpose, potential impact, or **application** of the focus of the investigation, e.g. further development, effect on quality of life, environmental implications, economic impact, intrinsic interest |  |
| Who or what might resist the change of these developments? |  |
| Describe the influences of other fields involved |  |
| Describe how advances in one field can influence and be influenced by other areas, for example how advances in technology/drugs impacts mental health. |  |
| Describe the development of any new theories and techniques looking at all the evidence from as many sources as possible over time. Focus on the big steps forward and setbacks. Include evidence of progress, ambiguities, disagreements and uncertainties. |  |

**Influence**

In this section you need to show how the innovation, issue, or advancement links to Influence

|  |  |
| --- | --- |
| **Elaborations** | **Tick or X**  **if this applies** |
| A discussion of how this recent discovery, innovation, issue, or advancement might be **influenced by** economic, sociocultural, religious, ecological, environmental, sustainable, ideological and political perspectives in a local, national and global context |  |
| A discussion of how this recent discovery, innovation, issue, or advancement might **influence other** perspectives such as economic, sociocultural, religious, ecological, environmental, sustainable, ideological and political perspectives in a local, national and global context. |  |
| How this recent discovery, innovation, issue, or advancement has impacted or been impacted by cultural, political, environmental and ethical decisions |  |
| A discussion of how this recent discovery, innovation, issue, or advancement might impact people in a beneficial way, or create unexpected consequences requiring monitoring, assessment and evaluation of risk, ethical considerations.   * Positive and/or negative impacts? * What are the local/global impacts? |  |
| Identify different interest groups who are affected?   * E.g. International communities (e.g. UN, WTO, big business), federal government, state government, local (workplaces/schools), cultural groups, family/friendship groups, individuals. |  |
| A discussion of how science informs public debate and is in tum influenced by public debate- how did public debate lead to the need for change? |  |

 Remember you need to show how the focus of the innovation, issue, or advancement illustrates the interaction between science and society (what impact does this have on society?)

**4. Impact on societal groups (100-200)**

Explain:

 A clear demonstration of the interaction between science and society and the impact/potential impact this has had on the discovery, innovation, issue, or advancement and on different interest groups /stakeholders?

* + For example:
    - Further development
    - Effect on quality of life
    - Environmental implications
    - Economic impact
    - Intrinsic interest

*\*\*Please note if you have covered the above within section 3 you will not need this paragraph\*\**

**5. Conclusion (200 words)**

* Summarise the focus of your investigation and main points (without introducing new information)
  + Restate the connection between **science** and **society**
* Consider the future impact or direction that your findings have on a local/global context
* Discuss the potential impact, e.g. suggestions for further research/ developments, effect on quality of life, environmental implications, economic impact, intrinsic interest, etc.
* Conclude your findings with a description of the interaction between science and society