Unit 4, Outcome 1 – Activities 1 & 2

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| **Excelling** | Has demonstrated a high level of understanding of both the natural and enhanced greenhouse effect, annotating all radiation types, greenhouse gases, the natural and human sources and processes involved | All questions have been completed using detail | All questions have been completed using detail | All questions have been completed using detail | Has listed and described in detail 10 or more strategies to individually reduce carbon footprint | Can demonstrate a high level of understanding, including all the subheadings required | A detailed plan that encompasses both the theory and practical components of the project, identifying and describing fifteen or more objectives of the project | Has listed and described the purpose of fifteen or more resources needed for the project, based on time, material and technology | Has listed five or more possible stakeholders and described in detail the relevance to the project, including contact details | Has identified and described in detail fifteen or more key actions or strategies to be implemented in the project | Has allocated 10 or more roles/ responsibilities to all group members, catered to the group member’s strengths | Can correctly form a budget for all resources needed, providing two or more quotes for each resource needed | Has correctly planned the timeline so that all of the 15 key actions/ strategies are in a logical order, using specific dates | Has provided in detail at least two contingency plans that are relevant to project | Has identified twenty or more pieces of evidence needed to collect during the implementation of the project |
| Spelling, punctuation and grammar used with considerable accuracy | Has described in detail five or more appropriate methods to engage or consult with relevant stakeholders | Can identify 10 or more risks/ hazards related to the project, completing a risk assessment on all and describing at least three strategies to reduce each risk |
| Word count is more than 600 words |
| **Achieving** | Has demonstrated an understanding for both the natural and enhanced greenhouse effect, annotating all radiation types, greenhouse gases, the natural and human sources and processes involved | All questions have been completed | All questions have been completed | All questions have been completed | Has listed and described five or more strategies to individually reduce carbon footprint | Can demonstrate knowledge, including all the subheadings required | A plan that encompasses the practical components of the project, identifying and describing ten or more objectives of the project | Has listed and described the purpose of 10 or more resources needed for the project, based on time, material and technology | Has listed two or more possible stakeholders and described the relevance to the project, including contact details | Has identified and described 10 or more key actions or strategies to be implemented in the project | Has allocated five or more roles/ responsibilities to all group members | Can correctly form a budget for all resources needed, providing one quote for each resource needed | Has correctly planned the timeline so that all of the 10 key actions/ strategies are in a logical order, using specific dates | Has provided at least one contingency plan that is relevant to the project | Has identified 10 or more pieces of evidence needed to collect during the implementation of the project |
| Spelling, punctuation and grammar used with reasonable accuracy | Has described fewer than five appropriate methods to engage or consult with relevant stakeholders | Can identify five or more risks/ hazards related to the project, completing a risk assessment on all and describing at least one strategy to reduce each risk |
| Word count is between 300–600 words |
| **Satisfactory** | Has demonstrated some level of understanding of either the natural or enhanced greenhouse effect annotating any two of the following aspects; radiation types, greenhouse gases, the natural and human sources | More than half the questions have been completed | More than half the questions have been completed | More than half the questions have been completed | Has listed fewer than five strategies to reduce carbon footprint | Can demonstrate some knowledge, including three or more of the subheadings required | A basic plan that encompasses the theory or practical components of the project, listing five or more objectives of the project | Has listed five or more resources; however, bases resources on only two of time, material and technology | Has listed one possible stakeholder, including contact details | Has identified fewer than 10 key actions or strategies to be implemented in the project, however some are unrealistic and unachievable | Has allocated fewer than five roles/ responsibilities to at least one group member | Can provide one quote for half or more of the resources needed | Has listed half or more of the key actions/ strategies in a logical order; however, has not used specific dates | Has provided at least one contingency plan; however, it is not relevant to project | Has identified five or more pieces of evidence needed to collect during the implementation of the project; however, some are not relevant/ achievable |
| Spelling, punctuation and grammar sufficiently clear for the meaning to be understood | Has listed three appropriate methods to engage or consult with relevant stakeholders | Can identify fewer than five risks/ hazards related to the project, listing one strategy to two or more risks |
| Word count is fewer than 300 words |
| **Not yet satisfactory** | Has demonstrated a limited level of understanding of either the natural or enhanced greenhouse effect with fewer than two annotations made | Less than half the questions have been completed | Less than half the questions have been completed | Less than half the questions have been completed | Has listed fewer than three strategies to reduce carbon footprint | Demonstrates limited knowledge, including fewer than three of the subheadings required | A basic plan that encompasses either the theory or practical components of the project, listing fewer than five objectives of the project | Has listed fewer than five resources; however, bases resources on only one of time, material and technology | Has listed one possible stakeholder | Has identified fewer than five key actions or strategies to be implemented in the project, however some are unrealistic and unachievable | Finds it difficult to allocate at least one role/ responsibility to one group member independently | Can provide one quote for less than half the resources needed | Has listed less than half the key actions/ strategies; however, has not presented in a logical order and has not used specific dates | Can only provide a contingency plan with teacher assistance | Has identified fewer than five pieces of evidence needed to collect during the implementation of the project; however, some are not relevant/ achievable |
| Has listed one appropriate method to engage or consult with relevant stakeholders |
| Demonstrates difficultly with spelling, punctuation and grammar, which makes it difficult for the meaning to be understood | Can identify one risk/ hazard related to the project, listing one strategy |
| Word count is fewer than 100 words |
| Not shown | Not shown | Not shown | Not shown | Not shown | Not shown | Not shown | Not shown | Not shown | Not shown | Not shown | Not shown | Not shown | Not shown | Not shown |
| **Criteria** | **Annotated diagram of natural vs enhanced greenhouse effect** | **PowerPoint structured questions** | **Movie 2040 structured questions** | **Movie Before the Flood structured questions** | **Carbon footprint questionnaire and strategies** | **Climate change essay** | **Objectives of project** | **Resources** | **Stakeholders** | **Key actions and strategies** | **Team member roles and responsibilities** | **Budget** | **Timeline** | **Contingency plan and risk management plan** | **Identification of evidence needed for collection** |
| **Activity 1** | | | | | | **Activity 2 – Portfolio** | | | | | | | | |