



MOUNT ANNAN HIGH SCHOOL

ASSESSMENT TASK NOTIFICATION

FACULTY	Science	COURSE	Biology	YEAR	11
TASK NUMBER	2	TASK NAME	Depth Study – Parts A, B, C and D		
TASK WEIGHT	30%	MARKS AWARDED	64		
DATE OF NOTIFICATION	17th May 2024 Week 3				
DUE DATE	26th June 2024 Week 9				

TASK DESCRIPTION / INSTRUCTIONS

PART A – Teacher Directed Depth Study

Students will submit their Teacher Directed Depth Study in the Depth Study Booklet.

PART B – Group Work Depth Study

Students will submit their Group Work Depth Study on Google classroom.

PART C – Individual Depth Study – Competency Based Task (Must be completed to a satisfactory standard)

Students will need to complete a depth study of their choice **relevant to their field of study** that has been discussed and **approved** by their teacher.

Students will submit their completed Individual Depth Study Portfolio and their completed form of Communication (Report, PowerPoint, Video, Model etc – electronic forms of communication delivery must be submitted on the Google classroom. – **Due on the day of the class task and the portfolio (paper copy) can be used as a reference during the in-class task.**

PART D – In class task - 50 minutes.

Students will work individually in the classroom, addressing the questions pertaining to science skills and their Individual Depth Study. Students can use their Depth Study booklet, Group Depth Study and Depth Study portfolio as a resource for this section of the task, they will then be collected again at the end of the task for marking.

TASK SUBMISSION INSTRUCTIONS

As per the task instructions

HOW DOES THIS TASK LINK TO MY LEARNING

This task relates to your learning by developing your working scientifically skills in relation to one of your chosen knowledge and understanding outcomes.



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OUTCOMES

Skills (Working Scientifically):

- **Questioning and predicting BIO11-1**
develops and evaluates questions and hypotheses for scientific investigation.
- **Planning investigations BIO11-2**
designs and evaluates investigations in order to obtain primary and secondary data and information.
- **Communicating BIO11-7**
communicates scientific understanding using suitable language and terminology for a specific audience or purpose

And any **TWO** of the following:

- **Conducting investigations BIO11-3**
conducts investigations to collect valid and reliable primary and secondary data and information
- **Processing data and information BIO11-4**
selects and processes appropriate qualitative and quantitative data and information using a range of appropriate media
- **Analysing data and information BIO11-5**
analyses and evaluates primary and secondary data and information
- **Problem solving BIO11-6**
solves scientific problems using primary and secondary data, critical thinking skills and scientific processes

Knowledge and understanding: (student selected)

BIO11-8

describes single cells as the basis for all life by analysing and explaining cells' ultrastructure and biochemical processes

BIO11-9

explains the structure and function of multicellular organisms and describes how the coordinated activities of cells, tissues and organs contribute to macroscopic processes in organisms

BIO11-10

describes biological diversity by explaining the relationships between a range of organisms in terms of specialisation for selected habitats and evolution of species

BIO11-11

analyses ecosystem dynamics and the interrelationships of organisms within the ecosystem



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FAILURE TO COMPLETE OR SUBMIT AN ASSESSMENT TASK

If you do not attend school on the Due Date of an Assessment Task to submit or complete the task in person you will be given a zero mark unless you comply with the following Assessment Guidelines:

- For Assessment Task completed at home – you must submit the assessment task before school on the next day you attend.
- For Assessment Tasks completed at school – you must report to the relevant Head Teacher before school the next day you attend and discuss when you will complete task missed or a substitute task.
- Complete a 'Misadventure Form' and provide relevant information and evidence to appeal the **zero mark** awarded. Other circumstances are outlined in the MAHS Assessment Booklet for the particular year. Evidence may include an in person medical certificate for illness or a letter outlining extenuating circumstances or other deemed reasonable reasons. An outcome of your 'Misadventure Form' will be provided by the Deputy Principal.

Students found guilty of **malpractice** which includes plagiarism will be awarded a **zero mark**. If a piece of work is incomplete at the time of submission, it should be submitted as is, and you will be given a mark on what has been completed.

As per our school Assessment Procedures outlined in the MAHS Assessment Booklet for the particular year, you must see your teacher and Head Teacher on the **first day you return** back to school. Please access our school website to access our assessment procedures for each year group and a 'misadventure form' - <https://mountannan-h.schools.nsw.gov.au/community/assessment-scedules.html>



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PART A – Teacher Directed Depth Study BIO11-1 to BIO11-7

MARKING CRITERIA	
Performance Descriptors	Marks/Grade
<ul style="list-style-type: none"> Completed all scaffolded sections for the Teacher Directed Depth Study 	A (Extensive) 10
<ul style="list-style-type: none"> Completed most of the scaffolded sections for the Teacher Directed Depth Study 	B (High) 8-9
<ul style="list-style-type: none"> Completed half the scaffolded sections for the Teacher Directed Depth Study 	C (Sound) 6-7
<ul style="list-style-type: none"> Completed some of the scaffolded sections for the Teacher Directed Depth Study 	D (Basic) 3-5
<ul style="list-style-type: none"> Some relevant information 	E (Elementary) 1-2
Non Attempt – Non Submission – Non Serious Attempt	
0	

PART B – Group Work Depth Study BIO11-1, BIO11-3 to BIO11-5

MARKING CRITERIA	
Performance Descriptors	Marks/Grade
<ul style="list-style-type: none"> Group Depth Study Scaffold completed 	A (Extensive) 5
<ul style="list-style-type: none"> Most of Group Depth Study Scaffold completed 	B (High) 4
<ul style="list-style-type: none"> Half of Group Depth Study Scaffold completed 	C (Sound) 3
<ul style="list-style-type: none"> Some attempt to complete Group Depth Study Scaffold 	D (Basic) 2
<ul style="list-style-type: none"> Some relevant information 	E (Elementary) 1
Non Attempt – Non Submission – Non Serious Attempt	
0	



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PART C – Individual Depth Study – Competency Based Task BIO11-1 to BIO11-7

MARKING CRITERIA	
Performance Descriptors	Marks/Grade
<ul style="list-style-type: none"> Portfolio - Complete logbook - including a well developed <u>inquiry question</u> and <u>hypothesis</u>, an <u>outline of the steps taken</u> to complete the Depth Study, all <u>qualitative and quantitative data</u> collected, the <u>procedure used to collect the data</u>, any <u>incident, feature or unexpected event</u> that may have affected the quality of the data. Portfolio - <u>Sources of information</u> – referenced material which was used in the Depth Study to gain background information. Includes printouts of <u>at least two referenced sources of information</u>. Communication (various options available) - accurate representation of all components from Portfolio. 	<p>A (Extensive) 13-15</p>
<ul style="list-style-type: none"> Portfolio - Incomplete logbook - lacking 1-2 of the features outlined. Portfolio - <u>Sources of information</u> – referenced material which was used in the Depth Study to gain background information. Includes printouts of <u>at least two referenced sources of information</u>. (not all referenced) Communication (various options available) - some representation of the components from Portfolio. 	<p>B (High) 10-12</p>
<ul style="list-style-type: none"> Portfolio - Incomplete logbook - lacking 3-5 of the features outlined. Portfolio - Sources of information – referenced material which was used in the Study to gain background information. Includes a printout from one referenced source. Communication (various options available) – an attempt at representation of components from Portfolio. 	<p>C (Sound) 7-9</p>
<ul style="list-style-type: none"> Incomplete logbook - lacking 6 of the features outlined Portfolio - Sources of information – referenced material which was used in the Study to gain background information. Includes a printout of material with no reference given and some reference to source material 	<p>D (Basic) 4-6</p>
Some relevant information	<p>E (Elementary) 1-3</p>
Non Attempt – Non Submission – Non Serious Attempt	0



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PART D – In class task Application of skills

MARKING CRITERIA	
Performance Descriptors	Marks/Grade
<ul style="list-style-type: none"> ● Clearly identifies Inquiry question and hypothesis ● Identifies ALL variables linked to individual Depth Study and explains their role in the completion of the depth study ● Detailed identification of potential error types and describes error minimisation ● Thoroughly evaluates the reliability of the data and evaluates the validity of the method ● Thorough description of risks and risk minimisation ● Demonstrates an understanding ALL of the chosen course outcomes ● Extensive discussion of the Communication method 	A (Extensive) 30-34
<ul style="list-style-type: none"> ● Clearly identifies Inquiry question or a hypothesis ● Identifies most variables linked to individual Depth Study and explains their role in the completion of the depth study ● Detailed identification of potential error types or describes error minimisation ● Thoroughly evaluates the reliability of the data or evaluates the validity of the method ● Thorough description of risks or risk minimisation ● Demonstrates an understanding most of the chosen course outcomes ● Thorough discussion of the Communication method 	B (High) 25-29
<ul style="list-style-type: none"> ● Clearly states an Inquiry question ● Identifies some variables linked to individual Depth Study and explains their role in the completion of the depth study ● Some identification of potential error types and/or describes error minimisation ● Some evaluation of the reliability of the data and evaluates the validity of the method ● Some description of risks and/or risk minimisation ● Demonstrates an understanding some of the chosen course outcomes ● Some discussion of the Communication method 	C (Sound) 17-24
<ul style="list-style-type: none"> ● Clearly states an Inquiry question ● Identifies some variables linked to individual Depth Study and explains their role in the completion of the depth study ● Some identification of potential error types and/or describes error minimisation ● Some evaluation of the reliability of the data and evaluates the validity of the method ● Some description of risks and/or risk minimisation ● Demonstrates an understanding some of the chosen course outcomes ● Some discussion of the Communication method 	D (Basic) 10-16
<ul style="list-style-type: none"> ● Identifies a variable linked to individual Depth Study and explains their role in the completion of the depth study ● Brief identification of potential error types and/or describes error minimisation 	E (Elementary) 1-9



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<ul style="list-style-type: none">● Brief evaluation of the reliability of the data and evaluates the validity of the method● Brief discussion of the Communication method	
Non Attempt – Non Submission – Non Serious Attempt	0