

MOUNT ANNAN HIGH SCHOOL

ASSESSMENT TASK NOTIFICATION



FACULTY	Science	COURSE	Chemistry	YEAR	12
TASK NUMBER	2	TASK NAME	Depth Study and Application of Knowledge Assessment Task		
TASK WEIGHT	25%	MARKS AWARDED	45		
DATE OF NOTIFICATION	Friday 8 th March 2024 (Term 1, Week 6)				
DUE DATE	Friday 22 nd March 2024 (Term 1, Week 8)				

TASK DESCRIPTION

Components of Task

1. Individual Depth Study:

- 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, Depth Study Portfolio and their completed form of Communication (Report, PowerPoint, Video, Model etc.) on the Google Classroom.

2. In Class Assessment (50 minutes):

Students will work individually in the classroom, addressing the questions pertaining to science skills and their Individual Depth Study. **Students will not have access to their Depth Study Portfolio for this component of the task.**

TASK SUBMISSION INSTRUCTIONS

Students will be demonstrating their understanding of their individual **Inquiry Question** which links to an outcome covered in **Modules 5-8**. They will demonstrate their **Working Scientifically Skills** utilised in the production of the **Depth Study**.

Students will submit their Depth Study Portfolio and Communication on **Friday 22nd June 2023**. They will complete the Application of Knowledge Test in the classroom during their normal scheduled Chemistry lesson on the same date as submission.

Student **Depth Study Portfolio** and **Communication** must be **submitted online via the Google Classroom prior to sitting their Application of Knowledge Test**.

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OUTCOMES

CH12-1	Develops and evaluates questions and hypotheses for scientific investigation.
CH12-2	Designs and evaluates investigations in order to obtain primary and secondary data and information.
CH12-7	Communicates scientific understanding using suitable language and terminology for a specific audience or purpose.
TWO of the following Working Scientifically Outcomes:	
CH12-3	Conducts investigations to collect valid and reliable primary and secondary data and information.
CH12-4	Selects and processes appropriate qualitative and quantitative data and information using a range of appropriate media.
CH12-5	Analyses and evaluates primary and secondary data and information.
CH12-6	Solves scientific problems using primary and secondary data, critical thinking skills and scientific processes.
ONE of the following Knowledge and Understanding Outcomes:	
CH12-12	Explains the characteristics of equilibrium systems, and the factors that affect these systems.
CH12-13	Describes, explains and quantitatively analyses acids and bases using contemporary models.
CH12-14	Analyses the structure of, and predicts reactions involving, carbon compounds.
CH12-15	Describes and evaluates chemical systems used to design and analyse chemical processes.

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 the 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 a 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.

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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-schedules.html>

MARKING CRITERIA

Performance Descriptors	Marks/Grade
<p>A student can:</p> <ul style="list-style-type: none"> ● Demonstrates extensive knowledge of Working Scientifically and Knowledge and Understanding outcomes in relation to an individual and teacher directed depth study. ● Demonstrates extensive capability to develop a valid hypothesis related to an individual depth study. ● Demonstrates extensive knowledge in reducing potential risks involved when carrying out an individual depth study. ● Demonstrates extensive knowledge of the Scientific Process and applies it logically to an individual and teacher depth study. ● Accurately processes appropriate qualitative and quantitative data and information using a range of appropriate media linked to an individual depth study. ● Accurately communicates scientific understanding using suitable language and terminology. ● All aspects of the Depth Study are comprehensively addressed in the Depth Study Portfolio. ● Correctly references sources and includes evidence of at least 3 sources. 	<p>A 37-45</p>
<p>A student can:</p> <ul style="list-style-type: none"> ● Demonstrates thorough knowledge of Working Scientifically and Knowledge and Understanding outcomes in relation to an individual and teacher directed depth study. ● Demonstrates the capability to develop a valid hypothesis related to an individual depth study. ● Demonstrates thorough knowledge in reducing potential risks involved when carrying out an individual depth study. ● Demonstrates thorough knowledge of the Scientific Process and applies it logically to an individual and teacher directed depth study. ● Thoroughly processes appropriate qualitative and quantitative data and information using a range of appropriate media linked to an individual depth study. ● Accurately communicates scientific understanding using suitable language and terminology. 	<p>B 28-36</p>

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<ul style="list-style-type: none"> ● Most aspects of the Depth Study are comprehensively addressed in the Depth Study Portfolio. ● Correctly references sources and includes evidence of at least 2 sources. 	
<p>A student can:</p> <ul style="list-style-type: none"> ● Demonstrates a sound knowledge of Working Scientifically and Knowledge and Understanding outcomes in relation to an individual and teacher directed depth study. ● Demonstrates the ability to develop a valid hypothesis related to an individual depth study. ● Demonstrates sound knowledge in reducing potential risks involved when carrying out an individual depth study. ● Demonstrates sound knowledge of the Scientific Process and applies it logically to an individual and teacher depth study. ● Demonstrates the ability to process qualitative and quantitative data and information using a range of appropriate media linked to an individual depth study. ● Demonstrates the ability to communicate scientific understanding using suitable language and terminology. ● Some aspects of the Depth Study are addressed in the Depth Study Portfolio. ● Correctly references sources. 	<p>C 19-27</p>
<p>A student can:</p> <ul style="list-style-type: none"> ● Demonstrates basic knowledge of Working Scientifically and Knowledge and Understanding outcomes in relation to an individual and teacher directed depth study. ● Demonstrates limited ability to develop a hypothesis for an individual depth study. ● Demonstrates basic knowledge of risks involved when carrying out an individual depth study. ● Demonstrates basic knowledge of the Scientific Process and applies it logically to an individual and teacher depth study with some success. ● Demonstrates a basic ability to process qualitative and quantitative data in an individual depth study. ● Demonstrates limited ability to communicate scientific understanding using suitable language and terminology. ● Some aspects of the Depth Study are addressed in the Depth Study Portfolio. ● Some sources are correctly referenced. 	<p>D 10-18</p>
<p>A student can:</p> <ul style="list-style-type: none"> ● Demonstrates limited knowledge of Working Scientifically and Knowledge and Understanding outcomes for an individual and teacher directed depth study. ● Demonstrates limited ability to develop a hypothesis. 	<p>E 1-9</p>

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<ul style="list-style-type: none"> ● Demonstrates limited knowledge of risks involved when carrying out an investigation. ● Demonstrates basic knowledge of the Scientific Process and applies it to an individual with limited success. ● Demonstrates a very limited ability to process data in an individual and teacher directed depth study. ● Demonstrates limited ability to communicate scientific understanding. ● Some relevant information on a Depth Study is included in the Depth Study Portfolio. ● Some sources are referenced. 	
Non Attempt – Non Submission – Non Serious Attempt	0