MOUNT ANNAN HIGH SCHOOL

ASSESSMENT TASK NOTIFICATION

FACULTY	Science			**COURSE**	Chemistry	**YEAR**	12
TASK NUMBER	2	**TASK NAME**	First Hand Investigation				
TASK WEIGHT	25%			**MARKS AWARDED**	40		
DATE OF NOTIFICATION	Friday 24th May 2024 **(Term 2, Week 4)**						
DUE DATE	Friday 7th June 2024 **(Term 2, Week 6)**						

TASK DESCRIPTION

Components of Task

Inquiry Question: How can alcohols be produced and what are their properties?

- Students will perform a first-hand investigation in the lead up to the assessment date. The investigation will consist of planning and experimental data collection which will be conducted individually.
- During the First-hand investigation students will collect quantitative data relating to alkanols. The quantitative data collected during the experiment will assist the students individually during the assessment, as they will be required to process and reflect on their collected data.

TASK SUBMISSION INSTRUCTIONS

Students will be completing an in class assessment during the normal scheduled Chemistry lesson on **Friday 7th June 2024 during period 1.** Students will then submit the completed task to the class teacher at the end of the lesson.

OUTCOMES	
CH12-2	Designs and evaluates investigations in order to obtain primary ~~and secondary~~ data and information.
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.
CH12-6	Solves scientific problems using primary and secondary data, critical thinking skills and scientific processes.
CH12-14	Analyses the structure of, and predicts reactions involving, carbon compounds.

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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 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.

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

MARKING CRITERIA

Performance Descriptors	Marks/Grade
A student can: ● Demonstrates extensive knowledge of the Scientific Process and applies it logically to develop a reliable and valid method for the collection of primary data. ● Demonstrates extensive knowledge in reducing potential risks involved when carrying out a first-hand investigation. ● Accurately collects primary data from a first-hand investigation. ● Accurately processes in depth qualitative and quantitative data and information using a range of appropriate media relevant to the first-hand investigation. ● Demonstrates extensive knowledge and understanding pertaining to alcohols, enthalpy of combustion and isomers.	**A** **33-40**
A student can: ● Demonstrates thorough knowledge of the Scientific Process and applies it logically to develop a reliable and valid method for the collection of primary data. ● Demonstrates thorough knowledge in reducing potential risks involved when carrying out a first-hand investigation.	**B** **25-32**

● Accurately collects primary data from a first-hand investigation. ● Thoroughly processes appropriate qualitative and quantitative data and information using a range of appropriate media relevant to the first-hand investigation. ● Demonstrates thorough knowledge and understanding pertaining to alcohols, enthalpy of combustion and isomers.	
A student can: ● Demonstrates sound knowledge of the Scientific Process and applies it logically to develop a method for the collection of primary data. ● Demonstrates sound knowledge in reducing potential risks involved when carrying out a first-hand investigation. ● Demonstrates the ability to collect primary data from a first-hand investigation with minor inaccuracies. ● Demonstrates an ability to process appropriate qualitative and quantitative data and information incorporating media relevant to the first-hand investigation. ● Demonstrates sound knowledge and understanding pertaining to alcohols, enthalpy of combustion and isomers.	**C** **17-24**
A student can: ● Demonstrates basic knowledge of the Scientific Process and is able to develop a method for the collection of primary data. ● Demonstrates knowledge in reducing some risks involved when carrying out a first-hand investigation. ● Demonstrates a basic ability to collect experimental data with inaccuracies and errors. ● Demonstrates basic ability to data and. ● Demonstrates basic knowledge of reactions involving alcohols, enthalpy of combustion and isomers.	**D** **9-16**
A student can: ● Demonstrates very limited knowledge of the Scientific Process and is able to develop a method for the collection of primary data. ● Demonstrates limited knowledge in reducing some risks involved when carrying out a first-hand investigation. ● Demonstrates ability to collect experimental data with errors. ● Demonstrates limited ability to process data and information. ● Demonstrates limited knowledge of reactions involving alcohols, enthalpy of combustion and isomers.	**E** **1-8**
Non Attempt – Non Submission – Non Serious Attempt	**0**