### MANILLA CENTRAL SCHOOL - ASSESSMENT TASK NOTIFICATION

# YEAR 12 – 2023/2024 INVESTIGATING SCIENCE M EAGLES



Task Number: 1 Notification Date: 30<sup>th</sup> November 2023

Weight: 25% Due Date: Term 1 Week 5/6 2024— double period Actual task date will be notified at the beginning of 2024

### **OUTCOMES ASSESSED**

- INS12-1 develops and evaluates questions and hypotheses for scientific investigation
- INS12-3 conducts investigations to collect valid and reliable primary and secondary data and information
- INS12-5 analyses and evaluates primary and secondary data and information
- INS12-6 solves scientific problems using primary and secondary data, critical thinking skills and scientific processes
- INS12-12 develops and evaluates the process of undertaking scientific investigations

## **TASK DESCRIPTION**

This assessment task involves students completing unseen practical and skills based questions based on the topic of "Impact of science on humans". The task will run for the double period and each student will be given a space to work. All questions need to be attempted and handed at end of the double period.

### TASK DESCRIPTION AND INSTRUCTIONS

This is an unseen practical and processing task with questions on

- Aspirin first hand investigation including writing and modifying a hypothesis, designing a table and recording observations, identifying errors and limitations of experimental design, writing methods.
- Processing and analysing data drawing a graph, writing a conclusion and identifying limitations of data
- Processing and Analysing Data, Problem Solving and Communication interpreting information
  on van Helmont's experiment including writing a conclusion, analysing an experiment, drawing
  explanations from information provided, discussing experimental validity and reliability

Students are able to use their class work and textbook during the task. They need to bring a ruler, pen, pencil, and eraser. A NESA approved calculator is optional.

MARKING CRITERIA		
Marks allocated will be next to each question.		
Task Mark	Task Rank	Cumulative Rank
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