LEARNING AS ONE NATION

Expanded Project

SHS LEARNING ACTIVITY

Name: _____ **Score/Mark:** _____

Grade and Section: _____ **Date:** _____

Strand: ☐ STEM ☐ ABM ☐ HUMSS ☐ ICT (*TVL Track*)

Subject: *Practical Research 1*

Type of Activity: ☑ Concept Notes ☑ Skills: Exercise/Drill ☐ Illustration ☐ Performance Task ☐ Essay/Report ☐ Others: _____

Activity Title: **LA02: What is the Scientific Method?**

Learning Target: To describe and apply the scientific method as used in research.

Reference: *(Author, Title, Pages)* Shim, H., *et al. CVIF–DLP Learning Activities*

When you want to find answers to your questions, you can do a study that is organized and systematic. You can identify a problem, observe, measure, analyze, and make a conclusion. For example, to answer the secret ingredients of Bohol's chicken barbecue, you can:

1) survey all the restaurants by:
   a) **observing** the cook; and
   b) **measuring** the ingredients; and
2) **analyze** the difference to other chicken barbecues in the Philippines to reach a conclusion.

Now, you are doing research!

This challenging task of investigating a research question is done using the scientific method. The **scientific method** involves several steps that help us solve the mysteries of a given problem. The steps are logical and straightforward – it is exactly what we did above to investigate the secret ingredients of Bohol's chicken barbecue. We will learn about each step in Practical Research 1.

Scientific Method

Exercise: Answer in no more than two (2) **complete sentences**.

From your example of a research question from your chosen research field or in daily life in **LA01**, explain how you can study it using the scientific method. Describe briefly the steps of (a) how to observe/measure, and (b) how to analyze (like in the Bohol chicken barbecue example).