



SHELL STREAM CLUBS

(STREAM- Science, Technology, Research, Engineering, Arts and Mathematics)

FORM 3 - TERM 3

(April – June 2021)

LEARNING OBJECTIVES

Mathematics

Topics: Trigonometry, Consumer Arithmetic and Algebra

1. Solve problems involving simple interest and compound interest.
2. Calculate the total hire purchase price
3. Solve problems involving rates- salaries, wages, overtime, utility bills
4. Explain the concept of percent
5. Convert currency using rates
6. Demonstrate understanding of Pythagoras theorem
7. State and use the three trigonometric ratios

Integrated Science

Biology Component

Topics: Healthy Diets, Process of Digestion and Nutrition Absorption

1. Recognize the importance of a healthy diet
2. Outline the basic structure of the digestive system and function of each part
3. Explain how human obtain nutrients from food

Chemistry Component

Topics: Chemical Bonding, Acids and Alkalis

1. Describe how atoms combine to forms molecules.
2. Distinguish between substances that are acids and alkalis.
3. Describe chemical reactions involving acids.

Physics Component

Topics: Electricity and Magnetism

1. Distinguish between electrical insulators and conductors.
2. Construct simple electrical circuits.
3. Represent simple circuits using diagrams.
4. Demonstrate the effects of magnetic forces.
5. Describe the magnetic effect of current.