CARAPICHAIMA EAST SECONDARY SCHOOL

PROGRAMME OF WORK FORM 1 TERM 11 (2010-2011)

SUBJECT: MATHEMATICS

**TOPIC AND SPECIFIC OBJECTIVE CONTENT**

**CONSUMER ARITHMETIC (Week 1-4**)

***Students should be able to:***

Calculate discount, sales tax, profit or loss.

Express a profit, loss, discount, markup

and purchase tax, as a percentage of some value.

Solve problems involving selling price,

cost price, percentage profit, loss or discount.

**GEOMETRY (Week 5-8)**

***Students should be able to :***

Explain concepts relating to geometry Point, line, parallel lines, intersecting lines and perpendicular line segment, ray, curve, plane, angles (acute, reflex, right, and straight), face, edge, vertex.

Draw and measure angles and line segments accurately

using appropriate geometrical instruments.

Construct lines, angles, and polygons using

appropriate geometrical instruments. Parallel and perpendicular lines.

Triangle, quadrilaterals, regular and

irregular polygons.

Angles to be constructed include 30,45,60,90,120.

**SETS (Week 9-11)**

***Students should be able to:***

Explain concepts relating to sets. Examples and non examples of sets, description of sets using words, membership of a set, cardinality of a set, finite and infinite sets, universal sets, empty sets, complement of a set, subsets.

Represent a set in various forms. Listing elements, for example the set of natural numbers 1, 2 and 3.

Set Builder notation. Symbolic Representation

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