For use with STP *Caribbean Mathematics 4th Edition Book 2*

MATHEMATICS SCHEME OF WORK

Teacher: Mr. Ganesh Pulchan

Head of Department: Mr. Anthony Hosein

Term 2 – 04/1/2021 – 26/03/2021	**No of weeks: 12**
Forms : 2P/2J/2M	**No. of sessions per cycle: 5**

For use with *Caribbean ST Mathematics 4th Edition*

(N.B. This is just a rough plan. The duration and date of lessons may be adjusted as time progresses. It is envisioned that at least 8 chapters of the text will be completed. If time is available additional work will be done).

Mathematics Form Two Scheme of Work: Term Two

Topics

Algebra

Equations
Equations with letter terms on both sides
Equations containing like terms
Brackets
Directed numbers
Formulae
Substituting numerical values into a formula
Problems
Expressions, equations and formulae
Mixed exercises

4 weeks

At the end of this chapter you should be able to...

1 solve simple equations
2 form simple equations and use them to solve problems
3 construct formulae from given information
4 substitute numerical values in a formula.

The following will also be revised

- ✔ how to simplify expressions containing brackets
- ✔ how to collect like terms
- ✔ the order in which to do multiplication, division, addition and subtraction
- ✔ how to multiply directed numbers
- ✔ what the lowest common multiple means
- ✔ how to convert units to smaller or larger units.

Class Test – Questions based on Chapter 3

Parallel Lines and Angles

- Parallel lines
- Corresponding angles
- Drawing parallel lines
- Problems involving corresponding angles
- Alternate angles
- Problems involving alternate angles
- Interior angles
- Mixed exercises

3 weeks

At the end of this chapter students should be able to:

- Identify two parallel lines as lines that are always the same distance apart.
- Identify corresponding angles.
- Use the equality of corresponding angles to draw parallel lines.
- Solve problems involving corresponding angles.
- Identify alternate angles.
- State and use the equality property of alternate angles.
- Use the interior angles property for a pair of parallel lines and a transversal.

Class Test – Questions based on Chapter 14

Constructions

Angles and triangles
Constructing angles without using a protractor
To construct an angle of 60°
Bisecting angles
Construction of angles of 60°, 30°, 90°, 45°
To construct an angle equal to a given angle
Construction to bisect a line
Dropping a perpendicular from a point to a line
Constructing triangles

3 weeks

At the end of this chapter you should be able to...

1 construct angles of 30°, 60°, 90° and 45° without using a protractor
2 construct an angle equal to a given angle
3 use ruler and compasses to:
   a bisect a line
   b drop a perpendicular from a point to a line
   c construct triangles.

The following will also be reviewed

- ✔ what a right angle is
- ✔ how angles are measured
- ✔ how to use a protractor, a pair of compasses and a ruler
- ✔ how to use, to solve problems, the properties of:
  - vertically opposite angles
  - the sum of angles at a point
  - angles on a straight line
  - the sum of the three angles in a triangle
  - the sum of the four angles in a quadrilateral
  - corresponding, alternate, interior angles with respect to two parallel lines
- ✔ what an arc of a circle is
- ✔ the properties of equilateral and isosceles triangles.

Class Test – Questions based on Chapter 15