For use with STP *Caribbean Mathematics 3rd Edition Book 2*

MATHEMATICS SCHEME OF WORK

Teacher: Mr. Ganesh Pulchan

Head of Department: Mr. Anthony Hosein

Term III – 20/4/2020 – 03/07/2020	**No of weeks : 11**
Forms : 2P/2J/2M	**No. of periods per week: 4**

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(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 4 chapters of the text will be completed. If time is available, additional work will be done. Teaching time missed for exams (end of term and continuous assessments), holidays, and any ad-hoc situations have been factored)

N.B. Week 1 of the new term will be used for distribution of test papers, doing solutions to the questions and addressing any queries in the test papers.

Mathematics Form Two Scheme of Work: Term Three

Topics

Travel Graphs

Finding distance from a graph
Drawing travel graphs
Calculating the time taken
Average speed
Getting information from travel graphs

2 weeks

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

1. Read from a distance–time graph, the distance or time of motion of a moving object.
2. Draw distance–time graphs using suitable scales.
3. Calculate the distance travelled in a given time, by an object moving at a constant speed.
4. Calculate the time taken to travel a given distance at a constant speed.
5. Calculate the average speed of a body, given the distance travelled and time taken.
6. Calculate the average speed for a body covering different distances at different speeds.
7. Read information from a distance–time graph.

Class Test – Questions based on Chapter I7

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Vectors

Representing vectors
Capital letter notation
Equal vectors, parallel vectors and negative vectors
Addition of vectors
Order of addition
Subtraction of vectors

2 weeks

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

1. Differentiate between a vector and a scalar.
2. Represent a vector by a straight line.
3. Write a vector as an ordered pair in a column.
4. Find the end point/starting point of a vector represented in column form given the starting/end point.
5. Classify vectors as equal, parallel or opposite.
6. Find the vector sum/difference of two or more vectors given in column form.

Class Test – Questions based on Chapter 9

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Reflections and Translations

- Line symmetry
- Two or more axes of symmetry
- Reflections
- Invariant points
- Finding the mirror line
- Construction of the mirror line
- Other transformations
- Translations
- Using vectors to describe translations

3 weeks

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

1. Identify shapes that have axes of symmetry.
2. Complete drawings of shapes, given their axes of symmetry.
3. Draw in axes of symmetry for given shapes.

Class Test – Questions based on Chapter 10

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Rotations

Rotational symmetry
Order of rotational symmetry
Transformations: rotations
Finding the centre of rotation by construction
Finding the angle of rotation
Mixed questions on reflections, translations and rotations

3 weeks

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

1. Identify shapes that have rotational symmetry.
2. State the order of rotational symmetry of a given shape.
3. Differentiate between rotational and line symmetry in a shape.
4. Construct shapes having line or rotational symmetry.
5. State the angle of rotation, given a shape and its image.
6. State the centre of rotation, given a shape and its image.
7. Find the image of an object with a given angle and centre of rotation.
8. Construct the centre of rotation for a given shape and image.
9. Find, by drawing, the angle of rotation for a given object and image.
10. Classify a transformation as a reflection, translation or rotation, for a given object and image.

Class Test – Questions based on Chapter 11

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