

# MATHEMATICS SCHEME OF WORK

Teacher: Mr. Ganesh Pulchan



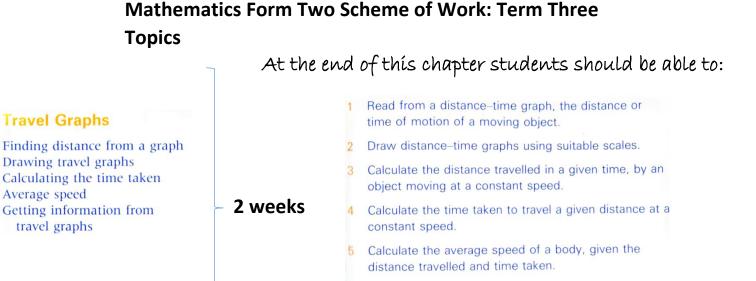
## **Head of Department: Mr. Anthony Hosein**

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

## For use with Caribbean ST Mathematics 3<sup>rd</sup> 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 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.



6 Calculate the average speed for a body covering different distances at different speeds.

Read information from a distance-time graph.

Class Test – Questions based on Chapter I7

## For use with STP Caribbean *Mathematics 3<sup>rd</sup> Edition*

2 weeks

#### Vectors

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

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

- 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.
- Find the end point/starting point of a vector represented in column form given the starting/end point.
- 6 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** 

## For use with STP Caribbean Mathematics 3<sup>rd</sup> Edition Book 2

## 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

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.

3 weeks

Class Test – Questions based on Chapter 10

## For use with STP Caribbean Mathematics 3<sup>rd</sup> Edition Book 2

3 weeks

#### **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

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.
- 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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