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# MATHEMATICS SCHEME OF WORK

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<b>Term I – 02/9/2019 – 13/12/2019</b>	<b>No of weeks : 15</b>
<b>Forms : 2P/2J/2M</b>	<b>No. of periods per week: 4</b>

## 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 8 chapters of the text will be completed. If time is available additional work will be done. Teaching time missed for exams (end of year and continuous assessments), Prize Day, Pres Day, TTUTA Day and any ad-hoc situations have been factored)*

### Mathematics Form Two Scheme of Work: Term One

#### Topics

#### Directed Numbers

Negative coordinates  
Straight lines  
Use of positive and negative numbers  
Extending the number line  
Addition and subtraction of positive numbers  
Addition and subtraction of negative numbers  
Addition and subtraction of directed numbers  
Division of negative numbers by positive numbers  
Multiplication of directed numbers  
Solving equations  
Mixed exercises

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

**2 weeks**

- 1 Plot points with positive and negative coordinates.
- 2 Use positive or negative numbers to describe displacements on one side or the other of a given point on a line.
- 3 Apply positive and negative numbers, where appropriate, in a physical situation.
- 4 Perform operations of addition, subtraction, multiplication or division on positive and negative numbers.
- 5 Multiply expressions with directed numbers.
- 6 Solve linear equations involving directed numbers.

**Class Test – Questions based on Chapter I - 30mins**

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

### Working with Numbers

Laws of numbers  
Changing between fractions,  
decimals and percentages  
Positive indices  
Multiplying numbers written  
in index form  
Dividing numbers written in  
index form  
Negative indices  
The meaning of  $a^0$   
Standard form  
Changing numbers into  
standard form  
Approximations: whole numbers  
Approximations: decimals  
Significant figures  
Rough estimates  
Calculations: multiplication and  
division

**3 weeks**

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

- 1 Multiply numbers written in index form.
- 2 Divide numbers written in index form.
- 3 Write numbers using negative indices.
- 4 Find the value of numbers written in index form.
- 5 Write numbers in standard form.
- 6 Approximate numbers to a given degree of accuracy.
- 7 Write numbers correct to a given number of significant figures.
- 8 Write numbers in standard form.

**Class Test – Questions based on Chapter 2- 30mins**



**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

**2 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 3- 30mins**



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

Fractional equations  
Problems  
Directed numbers  
(multiplication and division)  
Formulae  
Substituting numerical values  
into a formula  
Problems  
Changing the subject of a  
formula  
Expressions, equations and  
formulae  
Mixed exercises

**3 weeks**

At the end of this chapter students 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.
- 5 Change the subject of a given formula.

**Class Test – Questions based on Chapter 6- 30mins**





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

Shopping bills  
Wages  
Commission  
Taxes  
Saving and borrowing  
Telephone bills  
Electricity: kilowatt-hours  
Electricity bills  
Exchange rates

**2 weeks**

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

- 1 Total supermarket and other bills, and find the change from a given amount.
- 2 Calculate workers' wages, commission, bonuses and tax deductions.
- 3 Calculate sales tax and exchange rates.
- 4 Calculate the amount due on telephone and electricity bills, given the necessary information.

**Class Test – Questions based on Chapter 8- 30mins**

