



**GIRLS' HIGH SCHOOL  
MATHEMATICS DEPARTMENT**

**Form 1 Academic Year: 2025 – 2026**

**Form 1 Teachers: Mrs. C. Daniel and Mrs. A. Jack**

**Term 3**

<b><u>Topic</u></b>	<b><u>Objectives</u></b>
Transformation: Translation	<ol style="list-style-type: none"> <li>1. Define translation and give the properties of translation</li> <li>2. Translate a plane figure</li> <li>3. Determine the translation vector when the figure and its image are given</li> </ol>
Indices	<ol style="list-style-type: none"> <li>1. Identify and use an index of a number</li> <li>2. Differentiate between expressions such as <math>x^2</math> and <math>2x</math></li> <li>3. Differentiate between <math>x^a + x^b</math> and <math>x^a \times x^b</math></li> <li>4. Establish and use the rule <math>a^n \times a^m = a^{n+m}</math></li> <li>5. Establish and use the rule <math>a^n \div a^m = a^{n-m}</math></li> <li>6. Use the laws of division to prove <math>x^0</math> is 1</li> </ol>
Introduction to Algebra	<ol style="list-style-type: none"> <li>1. Use symbols to represent numbers, operations, variables and relation</li> <li>2. Add, subtract, multiply and divide like and unlike terms</li> <li>3. Add, subtract, multiply and divide expressions</li> <li>4. Substitute values for given variables in simple Algebraic expressions</li> <li>5. Translate verbal phrases into algebraic symbols and vice versa</li> <li>6. Identify and apply the commutative, associative and distributive law</li> <li>7. Solve simple linear equations in one variable (Not the negative ones)</li> </ol>
Introduction to Graphs and Statistics	<ol style="list-style-type: none"> <li>1. Define the terms: statistics, data, raw data</li> <li>2. Define and calculate the mean, mode and median of a given set of data</li> <li>3. Draw a pictograph, line graph, pie chart and bar graph to represent a given set of data</li> <li>4. Read and interpret pictograph, pie chart, bar graphs and line graphs when given.</li> </ol>