



ST. PETER'S COLLEGE GARAKU

Scheme of work for:

Term: 3rd , **Session:** 2019/2020, **Class:** SSS2, **Subject:** Mathematics

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WEEKS	TOPICS	CONTANT	STUDENTS ACTIVITY	TEACHING AIDS	REFERENCE
1.	Trigonometrical ratios	-Sine rule and its application -Cosine rule and its application	-Derive the sine rule and cosine rule -Apply the rules to solve problems	Charts of acute and obtuse angled triangles	New Concepts Mathematic SS2 Page 145
2.	Bearings	-Angles of evaluation and depression -Notation for bearings -Practical problems on bearings and distances	-Solve problems on angles of evaluation and depression -Solve practical problems on bearing	-Charts showing angles -Pencil ruler and protractor	New Concepts Mathematic SS2 Page 167
3.	Measures of central tendency	-The arithmetic mean -The median -The mode	-Calculate Mean, Median and Mode of ungrouped data	-Calculator	New Concepts Mathematic SS2 Page 186
4.	Measures of dispersion	-The range -Variance and standard deviation	-Calculate Range, Variance and Standard Deviation	-A set of data	New Concepts Mathematic SS2 Page 192

5.	Histograms of grouped data	-Class boundary -Class mark -Histogram	-Construct grouped frequency table -Calculate class intervals, limits, boundaries and marks z	-Calculator and a set of data	New Concepts Mathematic SS2 Page 197
6.	Cumulative frequency graph	-Cumulative frequency -Cumulative frequency distribution table and graph -Cumulative frequency curve	-Compute the cumulative frequency of grouped data -Draw cumulative frequency curve	-Graph board and graph book	New Concepts Mathematic SS2 Page 205
7.	Quartiles and percentiles	-percentiles -cumulative percentage curve	-Calculate quartiles and percentiles	-Mathematical set	New Concepts Mathematic SS2 Page 208
8.	Grouped data	-mean of group data - Arithmetic mean method -Assumed mean method -Median and mode of group data	-Calculate the mean, the median and the mode of a grouped data	-Graph board and graph book	New Concepts Mathematic SS2 Page 217
9.	Probability	-Experimental probability -Theoretical probability -Addition of probability/mutually exclusive events	-Solve problems on mutually exclusive events	-Addition rule chart, dice, coin	New Concepts Mathematic SS2 Page 229
10.	Probability	-Complementary events and independent events -product law -probability tree	-Solve problems on complementary and independent events	-Multiplication rule chart	New Concepts Mathematic SS2 Page 236

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