

Materials Covered
2nd Term Exams
Year: 8

Subject	Included Materials
English	The covered reading and writing genres: Realistic fiction Descriptive fiction Mystery story writing Informative writing Persuasive writing Persuasive speech Explanatory writing Place review Summary making Advanced figurative language Progression exams and past papers of years 2020, 2022, 2023
Math	Number and calculation <ul style="list-style-type: none"> • Irrational numbers. • Standard form. • Indices. Equations and inequalities <ul style="list-style-type: none"> • Constructing and solving equations. • Inequalities. Angles <ul style="list-style-type: none"> • Calculating angles. • Interior angles of polygons. • Exterior angles of polygons.

- Constructions.

- Pythagoras theorem.

Sequences and functions

- Generating sequences.

- Using the n th term.

- Representing functions.

Graphs

- Functions.

- Plotting graphs.

Ratio and proportion

- Using Ratios.

- Direct and inverse proportion.

Probability

- Mutually exclusive events.

- Independent events.

- Combined events.

- Chance experiments.

Position and transformation

- Bearings and scale drawings.

- Points on a line segment.

- Transformations.

Volume, surface area and symmetry

- Calculating the volume of prisms.

- Calculating the surface area of triangular prisms, pyramids and cylinders.

Science**Unit 5 Reactivity:**

5.5 Rearranging atoms

Unit 6 Sound and space:

6.1 Loudness and pitch of sound

6.2 Interference of sound

6.3 Formation of the Moon

6.4 Nebulae

6.5 Tectonics

7 Genes and inheritance

7.1 Chromosomes, genes and DNA

7.2 Gametes and inheritance

7.3 Variation

7.4 Natural selection

8 Rates of reaction

8.1 Measuring rates of reaction

8.2 Surface area and the rate of reaction

8.3 Temperature and the rate of reaction

8.4 Concentration and the rate of reaction