ASPIRE INTERNATIONAL SCHOOL

2023-2024

Materials Covered

3rd Term Exams

Year: 7

Subject	Included Materials
English	• Book/ Film Review • Formal Letter of Complaint • Balanced Arguments • Active and Passive Voice
Math	• Integers 1.1 Factors, multiples and primes 1.2 Multiplying and dividing integers 1.3 Square roots and cube roots 1.4 Indices • Expressions, formulae and equations 2.1 Constructing expressions 2.2 Using expressions and formulae 2.3 Expanding brackets 2.4 Factorising 2.5 Constructing and solving equations • Place value and rounding 3.1 Multiplying and dividing by 0.1 and 0.01 3.2 Rounding • Decimals 4.1 Ordering decimals 4.2 Multiplying decimals 4.3 Dividing by decimals 4.4 Making decimal calculations easier • Angles and constructions 5.1 Parallel lines • Collecting data 6.1 Data collection 6.2 Sampling • Fractions 7.1 Fractions and recurring decimals 7.2 Ordering fractions 7.3 Subtracting mixed number • Shapes and symmetry 8.1 Quadrilaterals and polygons

8.2 The circumference of a circle
8.3 3D shapes

- Sequences and functions
  9.1 Generating sequences
  9.2 Finding rules for sequences
  9.3 Using the nth term
  9.4 Representing simple functions
- Percentages
  10.1 Percentage increases and decreases
  10.2 Using a multiplier
- Graphs
  11.1 Functions
  11.2 Plotting graphs
  11.3 Gradient and intercept
  11.4 Interpreting graphs
- Ratio and proportion
  12.1 Simplifying ratios
  12.2 Sharing in a ratio
  12.3 Ratio and direct proportion
- Probability
  13.1 Calculating probabilities
  13.2 Experimental and theoretical probabilities

- Position and transformation
  14.1 Bearings
  14.2 The midpoint of a line segment
  14.3 Translating 2D shapes
  14.4 Reflecting shapes
  14.5 Rotating shapes
  14.6 Enlarging shapes

- Distance, area and volume
  15.1 Converting between miles and kilometres
  15.2 The area of a parallelogram and a trapezium
  15.3 Calculating the volume of triangular prisms
  15.4 Calculating the surface area of triangular prisms and pyramids

- Interpreting and discussing results
  16.1 Interpreting and drawing frequency diagrams
  16.3 Stem-and-leaf diagrams
  16.4 Pie charts

Science	Book 8: Unit 1: 1 Respiration: 1.1 The human respiratory system 1.2 Gas exchange 1.3 Breathing 1.4 Respiration 1.5 blood Unit 2 Properties of materials 2.1 Dissolving 2.2 Solutions and solubility 2.3 Planning a solubility investigation 2.4 Paper chromatography Unit 3 Forces and energy 3.1 Forces and motion 3.2 Speed 3.3 Describing movement 3.4 Turning forces 3.5 Pressure between solids 3.7 Particles on the move