

S1/S2 MATHEMATICS SCHEME OF WORK

TERM 1 (Aug 13th – Nov 14th 2020).

Textbook : TeeJay Publishers Mathematics, Curriculum for Excellence. Book 3a.

Weeks	Course Outline
Week 1 (August 13 -15)	Revision of previous knowledge: Multiples and factors, decimals, integers, Prime numbers, length, perimeter and area of plane shapes.
Week 2 (Aug 17 -22)	Number : Long Multiplication, Long Division
Week 3 (Aug 24 - 29)	Powers and roots.
Week 4 (Aug 31 – Sep 5)	Algebra: Collect like terms Simplify expressions Expand brackets
Week 5 (Sep 7 – Sep 12)	Integers: Negative numbers in context Adding and subtracting integers
Week 6 (Sep 14 – 19)	Integers: Subtracting negative numbers Multiplication and Division of integers
Week 7 (Sep 21 – 26)	Whole Numbers: Multiplication/Division by multiples of 10, 100, 1000 Problems using BODMAS

<p>Week 8 (Sep 28 – Oct 3)</p>	<p>Algebra: Solving equations Substitution</p>
<p>Week 9 (Oct 5 - 10)</p>	<p>Fractions: Equivalence and simplifying Converting mixed to Top Heavy and vice versa</p>
<p>Week 10 (Oct 12 – 17)</p>	<p>MID-TERM HOLIDAY</p>
<p>Week 11 (Oct 19 – 24)</p>	<p>ASSESSMENT OF HALF TERM WORK Solution to the assessment and Revision of past questions.</p>
<p>Week 12 (Oct 26 – 31)</p>	<p>Fractions: Adding and subtracting mixed fractions with same denominators Adding and subtracting mixed fractions with different denominators</p>
<p>Week 13 (Nov 2 – 7)</p>	<p>Percentages, Fractions, and Decimals. Percentages without a calculator Percentages with Calculator</p>
<p>Week 14 (Nov 9 - 14)</p>	<p>Percentages, Fractions, and Decimals. Linking Fractions, Decimals, and percentages</p>
<p>Nov 14 - 15</p>	<p>END OF TERM 1</p>

S1/S2 MATHEMATICS

TERM 2 (Nov 16th 2020 – Feb 27th 2021)

Week 1 (Nov 16 – 21)	Revision of term 1 topics
Week 2 (Nov 23 – 28)	Angles : Complementary and supplementary angles Angle round a point = 360
Week 3 (Nov 30 – Dec 5)	Angles : Vertically opposite angles Angles in a Triangle
Week 4 (Dec 7 – 12)	Coordinates : Plotting/Reading points in all 4 Quadrants of Coordinate diagram
Week 5 (Dec 14 -19)	Coordinates : Reflection over the x and y axes
Week 6 (Dec 21 – 23)	Rounding : Rounding to any number of decimal places Rounding to a required number of significant figures
Week 6 - 7 (Dec 24 – Jan 5)	WINTER BREAK
Week 8 (Jan 6 – 9)	Rounding : Estimate answers using rounding to 1 (or 2) significant figures

Week 9 (Jan 11 – 16)	Perimeter/Area: Perimeters of squares and rectangles Areas of squares and Triangles
Week 10 (Jan 18 – 23)	Area: Area of Rhombus and a kite
Week 11 (Jan 25 – 30)	Area: Area of a Parallelogram
Week 12 (Feb 1 – 5)	Area: Area of a Trapezium
Feb (6 – 9)	MID-TERM HOLIDAY
Week 13 (Feb 10 -13)	ASSESSMENT OF HALF TERM WORK Solution to the assessment Revision of half term work
Week 14 (Feb 15 -20)	Composite Areas
Week 15 (Feb 22 – 27)	Ratio: Understanding Ratio Simplifying ratio
	END OF TERM 2

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TERM 3 (March 1st – June 26th 2021)

Week 1 (March 1- 6)	Revision of Term 2 Topics Ratio: Solving problems using Ratio
Week 2 (March 8 - 13)	The circle: Circumference of a circle Circumference of a circle $C = nD$ ($C = 2nr$)
Week 3 (March 15 - 20)	The circle : Problems involving circumference, including half and quarter circles. Calculating the diameter or radius of a circle, knowing its circumference
Week 4 (March 22 - 27)	Volumes : Revise volumes of cubes and cuboids including composites. Volumes of Triangular Prisms including composites
Week 5 (March 29 – April 1st)	Volumes : Liquid volume – Capacity including conversion litters... millilitres
Week 5 - 7 (April 2– 17)	APRIL HOLIDAY
Week 8 (April 19 - 24)	Money : Wages and salaries. Bonuses, Piecework, commission .
Week 9 (April 26 – May 1)	Money : Overtime. Gross pay, deductions, and Net pay.

Week 10 (May 3 - 8)	MAY DAY, RAMADHAN/EID HOLIDAY
Week 11 (May 10 - 15)	RAMADHAN/EID HOLIDAY
Week 12 (May 17 – 22)	The circle 2 : Area of a circle
Week 13 (May 24 -29)	The circle 2 : Problems involving areas of circles, half-circles and quarter-circles.
May 28 th – May 31 st , 2021	MID-TERM HOLIDAY
Week 14 (May 31 – June 5)	Assessment and revision of past questions
Week 15 (June 7 – 12)	The circle 2 : Problems involving areas of circles, half-circles and quarter-circles.
Week 16 (June 14 – 19)	Time : Revise basic Time – Distance –speed calculations for whole hours Using quarter and half hours in TDS calculations
Week 17 (June 21 – 26)	Time : Converting hours and minutes to Decimals and vice versa. Simple Time – Distance – Speed Graphs
	END OF TERM 3