



TWO RIVERS
HIGH SCHOOL

Two Rivers High School
Adventurers – Year 7 & 8
Knowledge and Skills

	Autumn 2022-23		Spring 2022-23		Summer 2022-23	
	Properties of Number	The Four Operations	Geometry	Ratio	Money	Decimals and Percentages
Read, write and order numbers up to 1000						
Recognise place value in three-digit numbers						
Round numbers <1000 to the nearest 1000						
Round numbers <1000 to the nearest 100						
Find 10 or 100 more or less than a given number						
Recognise and use multiples of 2, 3, 4, 5, 8, 10, 50 and 100						
Understand and identify odd and even numbers						
Add and subtract using three-digit numbers						
Multiply a two-digit whole number by a single digit whole number						
Divide a two-digit whole number by a single digit whole number						
Use and interpret +, -, x, ÷ in real-life situations for solving problems						



TWO RIVERS

HIGH SCHOOL

Use inverse operations to find missing numbers						
Estimate the answer to a calculation						
Identify or show unit fractions up to one tenth of a quantity up to 100						
Work out unit fractions to one tenth of a number up to 100						
Work out any number of thirds, quarters, fifths or tenths of a quantity						
Recognise and identify equivalent fractions						
Add and subtract fractions with the same denominator within one whole						
Work out amounts 5, 8 or 10 times the size of a given amount						
Appreciate the purchasing power of amounts of money						
Exchange notes for an equivalent value in coins						
Use decimal notation for money						
Interpret a calculator display						
Solve real-life problems involving what to buy and how to pay						
Add up to three lengths of time given in minutes and hours						
Add lengths, capacities and weights and compare the total to another total or a requirement						
Convert standard units of length, weight and capacity						
Measure the perimeter of a simple shape						



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Recognise and name common 2D and 3D shapes						
Draw lines of symmetry on shapes or pictures						
Recognise and draw nets of cubes and cuboids						
Identify whether an angle is less or more than a right angle						
Identify horizontal, vertical and parallel lines						
Read co-ordinates in the first quadrant						
Use points of the compass to give directions						
Read, write and use decimals up to two decimal places						
Recognise and continue sequences that involve decimals						
Multiply one-digit numbers with up to two decimal places by whole numbers						
Use written division methods in cases where the answer has up to two decimal places						
Define percentage as 'number of parts per hundred'						
Find multiples of 10% of an amount						
Interpret simple percentages as fractions and decimals						



TWO RIVERS
HIGH SCHOOL

	Autumn 2023-24		Spring 2023-24		Summer 2023-24	
	Properties of Number	The Four Operations	Measures	Statistics	The Calendar and Time	Algebra
Read, write and order numbers up to 1000						
Recognise place value in three-digit numbers						
Round numbers <1000 to the nearest 1000						
Round numbers <1000 to the nearest 100						
Find 10 or 100 more or less than a given number						
Recognise and use multiples of 2, 3, 4, 5, 8, 10, 50 and 100						
Understand and identify odd and even numbers						
Add and subtract using three-digit numbers						
Multiply a two-digit whole number by a single digit whole number						
Divide a two-digit whole number by a single digit whole number						
Use and interpret +, -, x, ÷ in real-life situations for solving problems						
Use inverse operations to find missing numbers						
Estimate the answer to a calculation						
Solve real-life problems involving what to buy and how to pay						
Solve problems involving time						



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Convert between different units of time (seconds, minutes, hours, days, weeks. Year)						
Use a calendar and write the date correctly (day/ month/ year)						
Tell and write the time from an analogue clock, including using Roman Numerals						
Understand, use and convert between the 12-hour and 24-hour clock systems						
Add up to three lengths of time given in minutes and hours						
Add lengths, capacities and weights and compare the total to another total or a requirement						
Convert standard units of length, weight and capacity						
Compare and order lengths, capacities and weights in different standard units						
Measure the perimeter of a simple shape						
Choose an appropriate measuring instrument						
Read values from an appropriate scale						
Read and compare temperature including negative values						
Construct and interpret bar charts						
Construct and interpret pictograms						
Extract numerical information from lists, tables, diagrams and charts						
Complete a tally chart and frequency table						
Compare two or more diagrams						



TWO RIVERS

HIGH SCHOOL

Solve one-step and two-step problems based on statistical information						
Read, write and use decimals up to two decimal places						
Multiply one-digit numbers with up to two decimal places by whole numbers						
Use written division methods in cases where the answer has up to two decimal places						
Use simple formulae						
Express missing number problems algebraically						
Find pairs of numbers that satisfy an equation with two unknowns						
Enumerate possibilities of combinations of two variables						
Be introduced to the use of symbols and letters to represent variables and unknowns in mathematical situations that they already understand						