Sandbrook Community Primary School - Maths medium term plan					
Autumn term - Year 6					
Week 1	**Week 2-3**	**Week 4-6**	**Week 7-9**	**Week 10-12**	**Week 13**
Addition and subtraction	**Place value**	**Multiplication and division**	**Fractions A**	**Fractions B**	**Measurement Converting units**
• Add and subtract integers	• Numbers to 1,000,000 • Numbers to 10,000,000 • Read and write numbers to 10,000,000 • Powers of 10 • Number line to 10,000,000 • Compare and order any integer	• Common factors • Common multiples • Rules of divisibility • Primes to 100 • Square and cubed numbers • Multiply a 4 digit number by a 2 digit number • Solve problems with multiplication • Short division	• Equivalent and simplifying fractions • Fractions on a number line • Compare and order (denominator and numerator) • Add and subtract any two fractions • Add mixed number • Subtract mixed number	• Multiply fraction by an integer • Multiply fraction by fraction • Divide a fraction by an integer • Fractions of an amount • Fractions of an amount - missing number • Mixed multi step problems	• Metric measure • Convert metric measure • Calculate with metric measure • Miles and kilometers • Imperial measure

	• Round any integer • Negative numbers	• Division using factors • Introduction to long division • Long division with remainders • Solve multi step problems • Order of operations • Reason from known facts	• Multi Step problems		
<u>Spring term - Year 6</u>					
Week 1-2	**Week 3-4**	**Week 5-6**	**Week 7-8**	**Week 9-10**	**Week 11-12**
Decimals	**Fractions, decimals and percentages**	**Ratio**	**Algebra**	**Area, perimeter and volume**	**Statistics**
• Place value within 1 • Place value - integers and decimals • Round decimals • Add and subtract decimals • Multiply by 10,100 and	• Decimal and fraction equivalent • Fractions as division • Understand percentages • Fractions to percentages • Equivalent fractions, decimals and	• Add or multiply • Use ration language • Introduction to the ratio symbol • Ratio and fractions • Scale drawings • Use scale	• 1-step function machines • 2-step function machines • Form expressions • Substitution • Formulae • Form equations	• Shapes - same area • Area and perimeter • Area of a triangle - counting squares • Area of a right-angled triangle • Area of any	• Line graphs • Dual bar charts • Read and interpret pie charts • Pie charts with percentages • Draw pie charts • The mean

1000 • Divide by 10, 100 and 1000 • Multiply decimals by integers • Divide decimals by integers • Multiply and divide decimal in context	percentages • Order fractions, decimals and percentages • Percentage of an amount - one step • Percentage of an amount - multi step • Percentages - missing values	factors • Similar shapes • Ratio problems • Proportion problems • Recipe	• Solve 1-step equations • Solve 2-step equations • Find pairs of values • Solve problems with two unknowns	triangle • Area of a parallelogram • Volume - counting cubes • Volume of a cuboid	
Summer term - Year 6					
Week 1-3	**Week 4-5**	**Week 5-12**			
Shape	**Position and direction**	**Themed projects, consolidation, reasoning and problem solving**			
• Measure and classify angles • Calculate angles • Vertically opposite angles • Angles in a triangle • Angles in a	• The first quadrant • Read and plot points in the four quadrants • Solve problems with coordinates • Translations • Reflections	• Bakery • Travel tours • Futures - money			

triangle - special cases ● Angles in a triangle - missing angles ● Angles in quadrilaterals ● Angles in polygons ● Circles ● Draw shapes accurately ● Nets of 3D shapes		