Cloudside Academy
MTP Year 3 Autumn 2 2019-20

Resources	Mastery:	Links to prior learning/ objectives
Base10, place value charts, money, timers, clocks, calendars, 2-D and 3-D shapes,	**(where to find some resources)** • Teaching for Mastery • White Rose • Mastery maths stickers • Nrich (curriculum mapping)	~ place value with three-digit numbers. ~ mental strategies for addition and subtraction with multiples of 1, 10 and 100. ~ recognising coins and finding totals of given amounts of money. ~ Addition and subtraction strategies in year 2. ~ Introduction to the different units of time- reading/ telling the time. ~ Properties of 2-D and 3-D shapes and their names.

Dates Focus	Objectives	Vocabulary	Barriers to ARE (misconceptions)
Week 1 4.11.19	Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.	Number, digit, place value, ones, tens, hundreds, exchange, column addition, column subtraction, base ten, add subtract, sum, difference	Children might not understand place value. Reversal of digits when exchanging is necessary. Children might struggle to represent a three-digit number using manipulatives. Children may struggle working with three-digit numbers. Layout of the formal written method- place value of each digit. Understanding of why exchanging is necessary- can't have one than ten of any place value within each column when adding/ need to exchange when there is not enough of a place value.
Week 2 11.11.19	Add and subtract amounts of money, to give change, using both £ and p in practical contexts	Same as above plus-pounds, pence, money, change, total,	Same as above. Recognising that pence has a smaller value than pounds.
Week 3 18.11.19	Solve problems, including missing number problems using facts, place value and more complex addition and subtraction	Add, addition, plus, altogether, sum, subtract, take away, minus, difference, part-part, whole, representations, number operation.	Children might not be confident with their place value understanding. Children might struggle to represent a three-digit number using manipulatives. Children may struggle working with three-digit numbers. Seeing the relationship between addition and subtraction. Understanding the relationship between parts and whole to

			identify what a missing number may be.
Week 4 25.11.19	Draw 2-D shapes and make 3D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them.	Shape names,2d, 3D, dimensional, flat, edge, side, vertex, vertices, different orientations,	Recognising accurate vocabulary. Accurate counting skills when counting each property- not counting a vertex more than once. Naming shapes correctly. Recognising known shapes in a variety of orientations.
Week 5 2.12.19	Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.	Horizontal, vertical, perpendicular, parallel, shape names, properties.	Understanding of key vocabulary. Mixing up the meaning of the properties. Recognising each property within a given shape/ picture/ context.
Week 6 9.12.19	Know the number of seconds in a minute and the number of days in each month, year and leap year	Seconds, minutes, hours, days, weeks, months, years, leap year, facts, units of time.	Understanding of the different units of time. Identifying the relationship between the different units of time. Recognising the size of each unit of time.
Week 7 16.12.19	Compare durations of events (e.g. calculate the time taken by particular events or tasks.)	Same as above plus- Compare, greater than, less than, duration,	Understanding of equality symbols. Understanding of the different units of time. Identifying the relationship between the different units of time. Recognising the size of each unit of time. Addition and subtraction strategies. Accuracy of counting.