



MAHARAJA AGARSAIN PUBLIC SCHOOL
 a Cambridge International School
 Ashok Vihar, Delhi
 CLASS - V
 SUBJECT: MATHEMATICS
 SESSION: 2023-24
 BOOK: 'I Did It' Mathematics by CAMBRIDGE

DURATION	SYLLABUS COVERED	SYLLABUS TESTED	SUBJECT ENRICHMENT	LEARNING OUTCOMES	RESOURCES	SDG
PT1 (JULY-AUG UST)	Ch-1 Large Numbers	Ch-1 Large Numbers Ch-2 Four operations Ch-3 Multiples and Factors PT 1 Date: 31-7-23 Syllabus Completion: 15th July	Spike Abacus activity	<u>CH- 1 Large Numbers</u> SWBAT <ul style="list-style-type: none"> • Read and write 7- and 8- digit numbers • Write the place Value, face value, expanded form, successor and predecessor of such numbers • Form largest and smallest numbers • Round off the given numbers to nearest 10, 100,1000 and 10,000 • Comparison of Indian and International system of numerations. • Convert Hindu- Arabic numerals in Roman numerals and vice- versa. 	A4 size sheets, colors https://www.youtube.com/watch?v=WMEHIwyeUY8 .Resources by Cambridge Publishers	SDG-4 Quality education
	Ch-2 Four operations	Ch-2 Four operations	My education bill	<u>Ch-2 Four operations</u> SWBAT <ul style="list-style-type: none"> • Apply four operations on numbers • Apply properties of four operations • Multiply and divide by 10, 100 and 1000 using shortcuts. • Read, comprehend and solve word problems based on four operations. • Estimation on four operations 	A4 size sheets, colors https://www.youtube.com/watch?v=WMEHIwyeUY8 .Resources by Cambridge Publishers	SDG-4 Quality education
	Ch-3 Multiples and Factors	Ch-3 Multiples and Factors	LCM and HCF by grid sheet	<u>Ch-3 Multiples and Factors</u> SWBAT <ul style="list-style-type: none"> • Identify prime and composite numbers 	A4 size sheets, colors https://www.youtube.com/watch	SDG-4 Quality education

				<ul style="list-style-type: none"> • Deduce the divisibility rules from 2 to 11. • Apply the above-mentioned divisibility rules to verify if the given number is divisible by the above-mentioned numbers or not. • calculate the common multiples and common factors • Recognize prime factorization • Calculate least common multiple • Calculate highest common factor • applies HCF or LCM in a particular situation. • Apply relationship between HCF and LCM 	?v=41eVMYPCWtQ .Resources by Cambridge Publishers	
	Ch-4 Fractions		Fraction Boys versus girls	<u>Ch-4 Fractions</u> SWBAT <ul style="list-style-type: none"> • acquires understanding about fractions • identify different types of fractions • Reducing fractions to lowest terms • Comparing fractions • Apply four operations on fractions 	A4 size sheets, colors https://www.youtube.com/watch?v=4DxWQqJ-Pas .Resources by Cambridge Publishers	SDG -5 Gender equality
HALF YEARLY (SEP)	Ch-5 Decimals	Ch-1 Large Numbers Ch-2 Four operations Ch-3 Multiples and Factors Ch-4 Fractions Ch-5 Decimals Ch-6 Geometry	Decimal representation on grid.	<u>Ch- 5 Decimals</u> SWBAT <ul style="list-style-type: none"> • Read and write a decimal number • Identify the tenths, hundredths and thousandths places in a given decimal number • Represent decimals pictorially. • Converting fractions to decimals and vice- versa. • Comparing and ordering decimals. • Apply four operations on decimals. • Apply shortcuts in multiplication and division of decimals by 10,100 and 1000 • Read, comprehend and solve word problems based on decimals 	A4 size sheets, colors https://www.youtube.com/watch?v=mO9zYEF19FM .Resources by Cambridge Publishers	SDG-14 Life below water
	Ch-6 Geometry		Angles in yoga poses	<u>Ch- 6 Geometry</u> SWBAT <ul style="list-style-type: none"> • Measure and draw angles using a protractor. • Identify and recognize different types of angles • Identify solid shapes. • Recognize net of different 3D shapes • Construct a circle of given dimensions and label its parts. 	A4 size sheets, colors https://www.youtube.com/watch?v=HiZuAYXDmQ .Resources by Cambridge Publishers	SDG 3- Good Health and well being

PT2 (NOV-DEC)	Ch- 7 Patterns and Symmetry	Ch- 7 Patterns and Symmetry Ch- 8 Metric Measures Ch- 9 Time and Temperature PT 2 Date: 29-11-23 Syllabus Completion: 15th Nov	Symmetry in nature	<u>Ch- 7 Patterns and Symmetry</u> <u>SWBAT</u> <ul style="list-style-type: none"> Differentiate between symmetrical and asymmetrical objects Identify and draw lines of symmetry in the given shapes Observe and draw the reflection of given shapes/ letters/ numbers. Observe and draw the rotation of given shapes in clockwise and anticlockwise direction. Observe and apply patterns in non-verbal series, calendar, magic square hexagon, square number and triangular number. 	A4 size sheets, colors https://www.youtube.com/watch?v=IkJy8WzuZ0 .Resources by Cambridge Publishers	SDG 15- Life on land
	Ch- 8 Metric Measures	Ch- 8 Metric Measures	Let's help someone	<u>Ch- 8 Metric Measures</u> <u>SWBAT</u> <ul style="list-style-type: none"> Differentiate between bigger and smaller units of measurement. Convert the bigger units of measurement into smaller and vice-versa. Perform four operations on measurement Estimate measures 	A4 size sheets, colors https://www.youtube.com/watch?v=O-Q1HeobVEs .Resources by Cambridge Publishers	SDG 2- Zero hunger
	Ch- 9 Time and Temperature	Ch- 9 Time and Temperature	Explore the world time zone	<u>Ch- 9 Time and Temperature</u> <u>SWBAT</u> <ul style="list-style-type: none"> Convert 12- hour clock time into 24-hour clock time and vice- versa. Calculate duration between given time and given days. Convert a bigger unit of time into a smaller unit of time and vice- versa. Observe and read the temperature from thermometer Conversion of fahrenheit into celsius and vice-versa Apply the concept of Time in real life situations. 	A4 size sheets, colors https://www.youtube.com/watch?v=J157oziu3zO .Resources by Cambridge Publishers	SDG-13 climate actions
FINAL TERM (FEB)	Ch- 10 Mathematics in daily life	Ch- 7 Patterns and Symmetry Ch- 8 Metric Measures Ch- 9 Time and	Unitary method activity	<u>Ch- 10 Mathematics in daily life</u> <u>SWBAT</u> <ul style="list-style-type: none"> Differentiate between Profit and Loss 	A4 size sheets, colors https://www.youtube.com/watch?v=XgFOZ7n1KE	SDG-4 Quality education

	Temperature Ch- 10 Mathematics in daily life Ch- 11 Perimeter, area and volume Ch- 12 Data Handling Ch-4 Fractions		<ul style="list-style-type: none"> Derive the formula to calculate profit/ loss <ul style="list-style-type: none"> Calculate profit/ loss Derive the formula to calculate C.P. and S.P. <ul style="list-style-type: none"> Calculate C.P. and S.P. Apply Unitary method to find the cost of given objects Interpret and apply mapping skills. 	M .Resources by Cambridge Publishers	
Ch- 11 Perimeter, area and volume		Perimeter and area using 12 adjacent squares.	<u>Ch- 11 Perimeter and Area</u> <u>SWBAT</u> <ul style="list-style-type: none"> Recognize difference between perimeter and area Calculate perimeter of rectangle and square. Calculate area of rectangle square. Find relationship between area and perimeter. Calculate area of irregular shapes. Find the area of regular and irregular shapes by counting squares. Calculate volume of cube and cuboid. 	A4 size sheets, colors https://www.youtube.com/watch?v=1xfo5aLn2IU .Resources by Cambridge Publishers	SDG-4 Quality education
CH- 12 Data Handling		Circle graph	<u>CH- 12 Data Handling</u> <u>SWBAT</u> <ul style="list-style-type: none"> Interpret and draw pie charts. Interpret and draw line graph. Draw tally marks for given number. 	A4 size sheets, colors https://www.youtube.com/watch?v=lqDulzpQhYE Resources by Cambridge Publishers	SDG-7 Affordable and clean energy

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Math week- 3-17 May

Presentation week- 19-26 July

Collaboration project topic: Geometry

The above mentioned dates are tentative