



MAHARAJA AGARSAIN PUBLIC SCHOOL
A Cambridge International School
Ashok Vihar, Delhi
CLASS - 6
SUBJECT: MATHEMATICS
SESSION: 2023-24

BOOK : 1. MATHEMATICS (NCERT)
2. EXEMPLAR (NCERT)
SDG- G 20

DURATION	SYLLABUS COVERED	SYLLABUS TESTED	SUBJECT ENRICHMENT/PRACTICAL/ ENGLISH/ CONVERSATION/ VISUAL STIMULUS	LEARNING OUTCOMES	RESOURCES	SDG	L.O. Achieved
PT1 (JULY-AUG)	CHAPTER 1 KNOWING OUR NUMBERS. CHAPTER 2 WHOLE NUMBERS	Chapter 1 KNOWING OUR NUMBERS. Chapter 2 WHOLE NUMBERS Chapter 3 PLAYING WITH NUMBERS PT 1 August 2023 Tentative syllabus completion date 25/7/23	1.Number Game (greater and smaller numbers) 2.ISA Project will commence in first week of May	Develop own methods of performing operations on numbers in daily life (addition, subtraction, multiplication and division) Presenting whole numbers on number line and use it in daily life activities.	Links for Videos https://www.youtube.com/watch?v=1LWLDkomD3I https://www.youtube.com/watch?v=mOolr6X4y-k https://www.youtube.com/watch?v=tN9IN0hTLsY	SDG 5 Gender Equality , SDG 5 Gender Equality	

	<p>CHAPTER 3 PLAYING WITH NUMBERS</p>		<p>3. To find the HCF of two given numbers using graph papers. 4. To find the LCM of two given numbers by using graph papers.</p> <p>5. Use origami sheets for making line, circle, diameter, etc.</p>	<p>Demonstrate an understanding of factors and multiples by n determining multiples and factors of numbers less than 100 n identifying prime and composite numbers and solving problems involving factors or multiples. Demonstrate an understanding of angles by n identifying examples of angles in the environment and classifying angles according to their measure.</p> <p>Construct and compare triangles, including scalene, isosceles, equilateral, right, obtuse and acute in different orientations.</p>	<p>https://www.youtube.com/watch?v=nBu7m-EIMa0</p> <p>https://www.youtube.com/watch?v=1C9kiHqrGAY</p> <p>https://www.youtube.com/watch?v=J-kLTQPNnPc&t=81s</p> <p>https://www.youtube.com/watch?v=J-kLTQPNnPc&t=13s</p> <p>https://www.youtube.com/watch?v=tkiEUDrS5fE</p>	<p>SDG 5 Gender Equality</p> <p>SDG 4 Quality Education,</p> <p>SDG 4 Quality Education,</p>
	<p>Chapter 4 Basic Geometric Concepts</p>					
	<p>CHAPTER 5 UNDERSTANDING ELEMENTARY SHAPES</p>					

<p>HALF YEARLY (SEP)</p>	<p>CHAPTER 6 INTEGERS</p>	<p>(Total Syllabus covered from PT1 + Half Yearly)</p> <p>Chapter 1 KNOWING OUR NUMBERS Chapter 2 WHOLE NUMBERS Chapter 3 PLAYING WITH NUMBERS Chapter 4 Basic Geometric Concepts</p> <p>Chapter 5 UNDERSTANDING ELEMENTARY SHAPES</p> <p>Chapter 6 INTEGERS</p>	<p>6. To understand addition and subtraction of integers using bindi.</p>	<p>Demonstrate an understanding of integers, concretely, pictorially, and symbolically.</p> <p>Develop own methods of performing operations on numbers in daily life (addition, subtraction, multiplication and division).</p> <p>Learn to represent the part of a whole as a fraction and order simple fractions.</p>	<p>https://www.youtube.com/watch?v=k80NmZ-8VEc</p> <p>https://www.youtube.com/watch?v=BgbIvF90UE</p> <p>https://www.youtube.com/watch?v=iZteNiM1PUs</p> <p>https://www.youtube.com/watch?v=9hZkk73nJ_Y</p>	<p>SDG 3 Good Health and Well-being,</p> <p>SDG 6 Clean Water and Sanitation,</p>
<p>PT2 (NOV-DEC)</p>	<p>CHAPTER 7 FRACTIONS</p>	<p>Chapter 7 FRACTIONS</p>				

	<p>CHAPTER 8 DECIMALS</p> <p>Chapter 9 Data Handling</p>	<p>Chapter 8 Decimals Chapter 12 Ratio and Proportion</p> <p>Tentative syllabus completion date 7\11\23</p>	<p>1. To classify the triangles on the basis of sides and angles from the given set of triangles using origami or rubber sheets.</p> <p>2. To represent decimal numbers 0.25, 0.5, 0.75, 0.68 etc. on a 10x10 grid by shading.</p>	<p>Demonstrate an understanding of multiplication and division of decimals (involving 1-digit whole-number multipliers, 1-digit natural number divisors, and multipliers and divisors that are multiples of 10, concretely, pictorially, and symbolically, by using personal strategies and using the standard algorithms, using estimation in solving problems.</p> <p>Select, justify, and use appropriate methods of collecting data, including n questionnaires n experiments n databases n electronic media</p>	<p>https://www.youtube.com/watch?v=b6nmcBB1x50</p> <p>https://www.youtube.com/watch?v=BVjRkZbyzO8</p> <p>https://www.youtube.com/watch?v=F7m9gMH-E-Q</p> <p>https://www.youtube.com/watch?v=NE6pudadmJY&t=5s</p>	<p>SDG 6 Clean Water and Sanitation,</p> <p>SDG 10 Reduced Inequality,</p> <p>SDG 12 Responsible Consumption and Production,</p>
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	Chapter 12 Ratio and Proportion			Compares quantities using ratios in different situations. For example the ratio of girls to boys in a particular class in 3:2. · uses unitary method in solving various word problems. For example, if the cost of a dozen notebooks is given she finds the cost of 7 notebooks by first finding the cost of 1 notebook.	https://www.youtube.com/watch?v=FEQ3iIDDOSo	SDG 12 Responsible Consumption and Production
	Chapter 10 Mensuration			Develop and apply a formula for determining the perimeter of polygons and area of rectangles.	https://www.youtube.com/watch?v=Vs7GJh2n1IA https://www.youtube.com/watch?v=Ubga7o5qgdU	
FINAL TERM (FEB)	Chapter 11 Introduction to Algebra	From PT 2-onwards and 1 chapter from SA1 Chapter 7 FRACTIONS Chapter 8 DECIMALS Chapter 9 Data Handling Chapter 10 Mensuration Chapter 11 Introduction to Algebra Chapter 12	3. To write your name in digital format using match sticks or straws. 4. To determine the number of lines of symmetry of certain shapes in five natural	Represent generalizations arising from number relationships using equations with letter variables.	https://www.youtube.com/watch?v=YzO7z85pPOI https://www.youtube.com/watch?v=OU87O69sTLM https://www.youtube.com/watch?v=9eSSzfnE9c https://www.youtube.com/watch?v=1U6mkVTd0Og	SDG 9 Industry, Innovation and Infrastructure, SDG 19 Industry, Innovation and

- Maths Week – 3-17 May
- Presentation Week – 19-26 July
- Research Based Project Topic – G – 20.
- Integrated Project Topic – G-20 (South Africa).
- The above-mentioned dates are tentative.