

BOKARO PUBLIC SCHOOL

SYLLABUS SESSION 2025-26

Class- <u>7</u>

Subject- Mathematics

| SI. No | MONTH S | W/ D | CHAPTER'S NAME/TOPIC | PAGE NO. | ΑCTIVITY |
|-----------|------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | April | 22 | CH:1, IntegersIntroduction to integersAddition of integersSubstraction of integersMultiplication of integersDivision of integersProperties of integersCH :2 FractionMultiplication of FractionsReciprocal of a fractionDivision of FractionsUse of 'Of' as an operator | 1-27 34- 51 | Number cards based on communication and collaboration. Estimations of Dead sea Depression based on Blended learning and information literacy Multiplication of Fractions based on Art Integration. |
| 2 | May | 7 | <u>CH : 3 Decimals</u> Multiplication of decimals Division of Decimals | 52-65 | Decimal numbers based on Critical thinking |
| 3 | June | 15 | <u>CH :4 Exponents and Power</u> Exponential or power notation Laws of exponents Decimal number system Expressing large numbers in standard form Exponents and square Roots <u>CH : 5 Algebraic Expression</u> Terms of an expression Like and Unlike terms Types of polynomials Finding the value of an expression | 259-276 244 - 258 | Maths model based on Art Integration Tree diagram based on Art Integration Quiz activity on algebraic expression |
| 4 | July | 23 | <u>CH : 6 Rational number</u> Types of rational number Representation on number line Comparison between them Rational number between two rational number Operation on rational number <u>CH : 7 Simple Equation</u> | 185-219 | Rational number game based on collaboration Rational number in different forms based on Art Integration |

| | | | Linear equation Rules for solving and equations Word problems based on Linear equation | 93-110 | Simple trial and error method based on collaboration |
|---|----------|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5 | August | 18 | <u>CH : 8 Symmetry</u> Reflection symmetry Rotational symmetry Lines of Symmetry for regular shapes | 277-292 | Rotational symmetry based on Art Integration |
| | | | <u>CH : 9 Lines and Angles</u> Related angles Angles formed by a transversal with two lines | 111- 128 | Parallel lines cut by a transversal based on creativity and innovation. |
| 6 | Sep | 9 | Revision for half yearly examination | | |
| 7 | October | 12 | <u>CH : 10 Comparing Quantities</u> Percentage Converting Percentages Profit and Loss Word problems on percentage Simple interest | 152- 184 | Coloured grids based on Visual Literacy and Art Integration Grocery list based on initiative and Self direction |
| 8 | November | | <u>CH : 11 Visualising Solid shapes</u> 3-D shapes Net for building 3-D shapes Drawing solids on a Flat surfaces Visualising Solid objects Viewing different shapes of solid | 293-310 | Cuboid net based on Art Integration Drawing based on Art Integration |
| | | 20 | <u>CH : 12 The Triangle and it's properties</u> Medians of a triangle Altitudes of a triangle Angle sum property Exterior and Interior opposite angle of triangle Equilateral and Isosceles triangle Triangle Inequality property Pythagoras Property Converse of Pythogras Theorem | 129- 151 | Properties of triangle based on Art Integration |
| 9 | December | 19 | <u>CH : 13 Perimeter and Area</u> Rectilinear Figures Area of a parallelogram Area of a triangle Circumference and Area of a circle | 220-243 | Discovering π based on Initiative and self direction |
| | | | <u>CH : 14 Data Handling</u> Data Mean of ungrouped data Median of ungrouped data Mode of ungrouped data | 66-92 | Visual representations of data based on Critical Thinking and problem solving |

| | | | Construction of bar graphs Double bar graphs | |
|----|---------|----|---------------------------------------------------------------------------|--|
| 10 | January | 17 | Revision for annual examination | |
| 11 | Feb | 15 | | |

• <u>Note</u> :-

- Book Name :- Standard Mathematics
- Publishers :- Kid's World Educational Books
- Teacher's Name:- Rahul Kumar Gope