## P M English Medium School, Dhinoj

Yearly Plan For Academic Session 2024-2025

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| Month | No. Of <br> Teaching Days | Assessment | Ch.No/Chap. Name | No. of Sessions | Learning Outcomes |
| April | 21 | Arithmetic, Algebra, HOTS | Chapter 1: Rational Numbers. Chapter 2: Linear Equation in two variables. | Chapter 1:12 <br> Chapter 2: 16 | Students will be able to: <br> * Identify rational numbers (including fractions, decimals, and integers), <br> * Recognize the set of rational numbers (Q). <br> * Able to understand and apply the properties of Rational Numbers <br> * Commutative property, Closed property, distributive property. <br> * Able to find the additive and multiplicative identity of Rational numbers. <br> Chapter 2: <br> Students will be able to understand <br> * Algebraic equation is an equality involving variables where LHS=RHS <br> * The highest power of linear equation one variable is 1 . <br> * Able to solve equations have linear expression on one side and number on the other side. |


|  |  |  |  |  | * Able to solve equations having the <br> variable on both sides. <br> Able to reduce the equations to the <br> simpler form. |
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|  |  |  |  |  | parallelogram <br> Able to identify special parallelograms <br> and their properties |
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|  |  |  |  |  | Price. <br> 2) Compound Interest (Yearly) and will be able to do the questions based on the same. <br> * They will be able to do the questions on calculating amount and compound interest. <br> * They will also be do questions based on the application of compound interest. |
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| September | 10 | Term 1-Exam Chapters: 1,2,3,4,5,6,7 | REVISION <br> Extra Topic: Congruence of <br> Triangles | REVISION TERM 1 <br> Sessions:08 |  |
| October | 18 | Algebra, HOTS | Chapter 8: Algebraic Expressions and Identities Chapter 12: Factorisation. | Chapter 8: 13 <br> Chapter 12:11 | * Students will be able to find the sum of algebraic expressions and the difference between the algebraic expressions. <br> * They will be able to find the product of two monomials, product of a monomial and a binomial, product of a monomial and a polynomial, product of two binomials, product of a binomial and trinomial and product of two trinomials. |


|  |  |  |  |  | * They will be able to simplify the given expression by using algebraic identities and will be able to verify the given expressions. <br> Chapter 12 <br> * Students will be able to understand the factorisation of an expression that expresses each term as a product of irreducible factors. <br> * They will be able to understand different methods of factorising an expression like the method of common factors, regrouping the terms, using the identities and will be able to solve the questions based on all the three methods. <br> * They will learn to divide an expression by another expression. |
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| November | 17 | Algebra, Arithmetic, HOTS | Chapter 12: Factorisation. (Continue) <br> Chapter 10: Exponents and Powers. | Chapter 12: 04 Chapter 10: 19 | Chapter 10 <br> * Students will be able to understand all laws of exponent and how to apply these laws in solving the sums. <br> * They will understand about negative exponents and the law based on the same and will be able to use the law in solving the sums. <br> * They will learn to simplify the given |


|  |  |  |  |  | expression or to express it in exponential notation. <br> * Students will be able to represent a very large number or very small number in standard form or vice-versa. <br> * They will be able to convert the given statement into standard form. |
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| December | 10 | Arithmetic, HOTS | Chapter 11: Direct and Inverse Proportion Chapter 9: Mensuration | Chapter 11:09 <br> Chapter 9: 04 | * Students will be able to observe the relationship between the given two quantities in order to solve for the constant of proportionality. <br> * They will be able to decide whether two quantities are proportional to each other or not. <br> * They will be able to solve the problems based on direct or inverse proportions in order to establish how one quantity depends on the other. <br> Chapter 9: <br> Students will be able to find <br> * Area of: Parallelogram, Trapezium, General Quadrilateral, Rhombus. <br> * Able to understand the concept and learn the formula of total surface area and lateral surface area of cube, cuboid, cylinder and will be able to |


|  |  |  |  |  | use the formula to solve the sums. <br> They will be able to understand the <br> concept of Volume and learn the <br> formula of volume of cube cuboid, <br> cylinder and will be able to use the <br> formula to solve the sums. |
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| Feb-25 | 18 | - | REVISION | REVISION |  |
| March-25 | 0 | Term2-Exam <br> Chapters- <br> $8,9,10,11,12,13$ | TERM 2 EXAM | TERM 2 EXAM |  |
| Total | $\mathbf{1 7 5}$ |  |  |  |  |

