

ANNUAL PEDAGOGICAL PLAN (GRADE VIII- MATHEMATICS)

S. No.	What are the problems	Compilation of problems	Categorisation of Problems (Subjective & Behavioural)
1. Rational Numbers	<p>Students were facing problems :</p> <ul style="list-style-type: none"> • To represent rational number the number line • To Understand the Properties of rational numbers. 	Students face problems in applying the concept and visualising. They face problem in calculation part.	<p>Subjective : Not able to apply property while solving the given questions and representing rational number on number line.</p> <p>Behavioural : Lack of concentration</p>
2. Square and Square roots.	<p>Problem:</p> <ul style="list-style-type: none"> • Students get confused in squares and square root. • Difficulty in understanding long division method 	Application and understanding	<p>Subjective : Not able to find the square root through long division and estimation method.</p> <p>Behavioural: They do not focus on concept building.</p>
3. Cube and Cube roots	<p>Problem :</p> <ul style="list-style-type: none"> • Difficulty in differentiating the cube and cube root • They find problem in finding cube root mentally. • They get confused between square root and cube root 	Understanding	<p>Subjective : Students not able to find the cube roots and problems based on prime factorization method.</p> <p>Behavioural : Lack of concentration.</p>
4. Linear equations in one variable	<p>Problem :</p> <ul style="list-style-type: none"> • Difficulty in understanding the concept of variable • To frame equations according to the given situation. • Not able to connect with daily life. 	Understanding the language of the question	<p>Subjective : Not able to frame equations and find their solutions.</p> <p>Behavioural : Lack of understanding the language properly.</p>

<p>5. Understanding Quadrilaterals</p>	<p>Problem :</p> <ul style="list-style-type: none"> • Students get confused in regular and irregular polygons • To understand the concept of zero of a polynomial • Not able to differentiate between the different kinds of quadrilateral. 	<p>Logical understanding</p>	<p>Subjective: Not able to distinguish between regular and irregular polygons and different kinds of quadrilateral.</p> <p>Behavioural: Lack of understanding</p>
<p>6. Algebraic expressions and identities.</p>	<p>Problem :</p> <ul style="list-style-type: none"> • Students face problem in identifying the terms, factors and coefficient. • They get confused in between like and unlike terms. 	<p>Lack of observation and reasoning skill</p>	<p>Subjective; -Not able to identify terms, factors and coefficients in the given equation.</p> <p>Behavioural: Lack of complete focus and attention on study.</p>