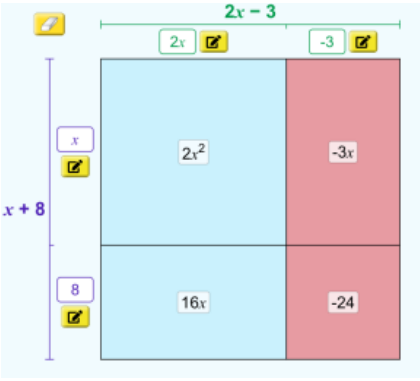
**BLOOM PUBLIC SCHOOL**

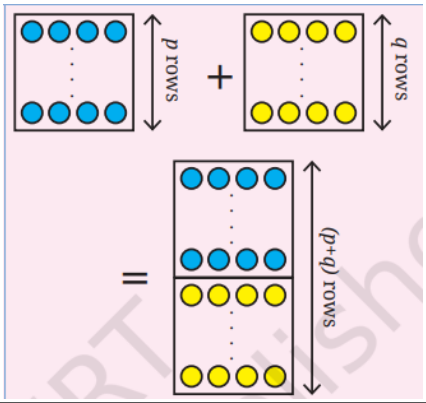
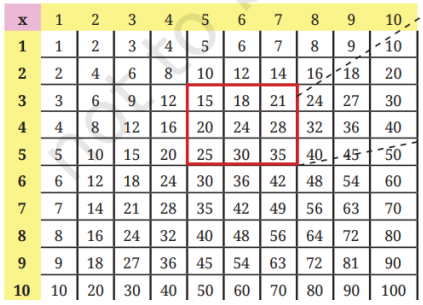
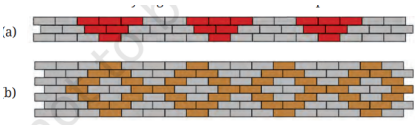
**C-8 Vasant Kunj, New Delhi**

**Syllabus for the Session 2025-26**

**Class: VIII**

**Subject: Mathematics**

| MONTH | CHAPTER ( NCERT Text book) | CONTENT (Topics) | Practical/Activities |
|---|---|---|---|
| **April** | *** Bridge course activity**<br>*** Square and Square Roots** | * Bridge course activities<br>* Square of a number<br>* Square root of a number by prime factorisation & division method<br>* Identities:$(a-b)^2$, $(a+b)^2$, $a^2-b^2$. | https://ncert.nic.in/pdf/Bridge_Programme/Grade8/Bridge_Programme-Mathematics-Grade_8.pdf<br><br>**SUBJECT ENRICHMENT ACTIVITY 1:** Prove that $(a+b)^2 = a^2 + b^2 + 2ab.$ |
| **May** | *** Bridge course activity**<br>*** Linear Equations In One Variable** | * Bridge course activities<br>* Solving linear equations<br>* Framing linear equations | https://ncert.nic.in/pdf/Bridge_Programme/Grade8/Bridge_Programme-Mathematics-Grade_8.pdf<br><br>**SUBJECT ENRICHMENT ACTIVITY 2:** Mystery Number Challenge- Use linear equations to guess a hidden number. |
| **July** | *** Algebraic expressions and identities** | * Expressions, terms, factors, coefficients, monomials, binomials, and polynomials<br>* Operations on Algebraic Expressions<br>* Algebraic Identities<br>* Factors of Algebraic Expressions<br>* Factors of Algebraic Expressions<br>* Factorization Using Identities | **PHET (interactive panel)**<br>**Area Model Algebra**<br>  |

| MONTH | CHAPTER (GANITA PRAKASH Text book) | CONTENT (Topics) | Practical/Activities |
|---|---|---|---|
| **August** | *** CH-1 A Square and A Cube**<br>*** CH-4 Quadrilaterals** | * Square of a number<br>* Square root of a number by prime factorisation & division method<br>*Cube of a number<br>* Cube root of a number by prime factorisation. | https://ncert.nic.in/pdf/Bridge_Programme/Grade8/Bridge_Programme-Mathematics-Grade_8.pdf<br><br>**SUBJECT ENRICHMENT ACTIVITY 3:** Prove that $(a+b)^2 = a^2 + b^2 + 2ab.$ |
| **September** | **Revision of Mid Term exam** | - | - |
| **October** | ***CH-5 Number Play** | *Early Counting Systems<br>*The Hindu-Arabic Number System<br>*Importance of Place Value<br>*Creating Your Own Number System | **SUBJECT ENRICHMENT ACTIVITY 4:**<br>Explanation with Algebra and Visualisation<br>  |
| **November** | ***CH- 6 We Distribute, Yet things Multiply**<br><br>***CH- 7 Proportional reasoning** | *distributive property of multiplication over addition<br>* simplify expressions by distributing a factor across a sum<br>*Application in Simplification<br><br>*Observing Similarity in Change.<br>*Ratios<br>*Problem Solving with Proportional Reasoning | **SUBJECT ENRICHMENT ACTIVITY 5:**<br>  <br>**SUBJECT ENRICHMENT ACTIVITY 6:**<br>  |
| **December** | ***CH-2 Power Play** | *focuses on the concept of exponents and powers | **SUBJECT ENRICHMENT ACTIVITY 7:** |

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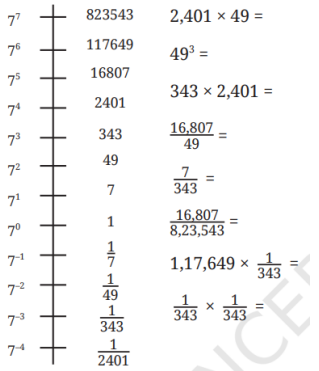
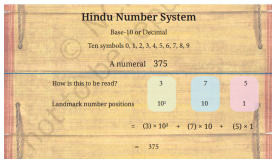
|---|---|---|---|
| | | * Scientific Notation |  |
| **January** | ***CH- 3 A Story Of Numbers** | *Early Number Systems<br>*exploring numbers, patterns, and relationships between numbers | **SUBJECT ENRICHMENT ACTIVITY 8:**<br>  |
| **February** | **Revision of Final exam** | - | - |

**PERIODIC ASSESSMENT -I**

**TOPIC: Square and Square Roots**

**TOPIC: Linear Equations In One Variable**

**TOPIC: Bridge course activities' concepts (Case based questions)**

**PERIODIC ASSESSMENT -II**

**TOPIC:CH- 6 We Distribute, yet Things Multiply**

**TOPIC: CH-7 Proportional Reasoning.**

**MID TERM EXAM**

**TOPIC: Square and Square Roots (NCERT-OLD EDITION)**

**TOPIC: Linear Equations In One Variable (NCERT-OLD EDITION)**

**TOPIC: Algebraic expressions and identities (NCERT-OLD EDITION)**

**TOPIC: CH-1 A Square and A Cube (GANITA PRAKASH)**

**TOPIC: CH-4 -Quadrilaterals (GANITA PRAKASH)**

**FINAL EXAM**

**TOPIC: CH-1 A Square and A Cube (GANITA PRAKASH)**

**TOPIC: CH-2 -Quadrilaterals (GANITA PRAKASH)**

**TOPIC:CH- 3 We Distribute, Yet Things Multiply(GANITA PRAKASH)**

**TOPIC: CH-4 -Quadrilaterals (GANITA PRAKASH)**

**TOPIC: Ch- 5- Number Play(GANITA PRAKASH)**

**TOPIC:CH- 6 We Distribute, yet Things Multiply(GANITA PRAKASH)**

**TOPIC: CH-7 Proportional Reasoning.(GANITA PRAKASH)**