

**Basava International School**  
**Mathematics Syllabus (2021-22)**  
**Class – I**  
**Book- Pearls (Ratna Sagar)**

**SEMESTER II (OCTOBER TILL MARCH)**

Months	Topics	Activity
October	<ul style="list-style-type: none"> <li>• Numbers up to 300(all number concepts)</li> <li>• Place value - Hundreds, Tens and Ones</li> <li>• Number Names- 101 to 150</li> <li>• Shapes and patterns</li> <li>• Skip counting by 5's</li> <li>• Table of 5</li> </ul>	PEC Activity based on shapes and forward and backward movement.  2. Shape corners.
November	<ul style="list-style-type: none"> <li>• Numbers up to 500(all number concepts)</li> <li>• Number names –Written - 151 to 200</li> <li>• Number names- Reading up to 500</li> <li>• Place value -Hundreds, Tens and Ones</li> <li>• Time</li> <li>• Skip counting by 6's</li> <li>• Table of 6</li> </ul>	1.Model of Clock  2.Dice Game
December	<ul style="list-style-type: none"> <li>• Numbers up to 700( all number concepts)</li> <li>• Number names – Written – 201 to 250</li> <li>• Number names - Reading up to 700</li> <li>• Place value</li> <li>• Revision of tables 2 to 6(Dodging tables)</li> <li>• Fractions</li> </ul>	Number Dictation  2.Origami pasting activity on fractions.
January	<ul style="list-style-type: none"> <li>• Numbers up to 900(all number</li> </ul>	

	concepts) <ul style="list-style-type: none"> <li>• Number names- Written – 250 to 300</li> <li>• Number Names - Reading up to 900</li> <li>• Repeated addition</li> <li>• Multiplication based on groups</li> <li>• Tables of 10</li> </ul>	1.Dodging table . 2.Forming groups using repeated activity..
February/March	<ul style="list-style-type: none"> <li>• Numbers upto 1000 ( all number concepts)</li> <li>• Revision of number names -250 to 300</li> <li>• Number Names - Reading up to 1000</li> <li>• Place Value - Hundreds, Tens and Ones</li> <li>• Revision of table of 1 to 7 and 10</li> <li>• Revision of addition/subtraction</li> </ul>	.Enrichment Activity Making of Abacus  2.Number Dictation(3-digit)

**Basava International School**  
**Mathematics Syllabus (2021-22)**  
**Class – II**  
**Book- Pearls (Ratna Sagar)**

<b>SEMESTER II</b> <b>(OCTOBER TILL MARCH)</b> OCTOBER/ NOVEMBER	<b>Multiplication</b>  <b>Division</b>	<ul style="list-style-type: none"> <li>• Repeated addition of students / objects in groups to teach Multiplication</li> <li>• Representing No. of groups and No. in each group through Bindi pasting activity</li> <li>• Equal distribution or sharing of the objects.</li> <li>• Division of students according to their house allocation.</li> <li>• Demonstrative activity with students like distributing equal number of crayons among students to show various concepts and terminologies of division.</li> <li>• Activity on page 94 and page 113</li> </ul>
DECEMBER	<b>Fractions</b>	<ul style="list-style-type: none"> <li>• Use of origami sheets (notebook assignment)</li> <li>• Tearing pasting activity to show various fractions</li> <li>• Activity on page 119</li> </ul>
JANUARY	<b>Money</b>  <b>Geometry</b>	<ul style="list-style-type: none"> <li>• Use of currency notes and coins for role play- Canteen Activity</li> <li>• Line segment- Match sticks activity ( page no. 132)</li> </ul>

FEBRUARY	<b>Measurement</b>  <b>Data Handling</b>	<ul style="list-style-type: none"> <li>• Measuring different objects using a scale.</li> <li>• Measuring classroom, desks, notebooks using pace, cubit, hand span.</li> <li>• Preparing a pictograph using stars/smiley</li> </ul>
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**MATHEMATICS SYLLABUS BREAKUP**  
**CLASS - 3**  
**SESSION : 2021-22**  
**PRESCRIBED BOOK : LET'S MAGNIFY MATHEMATICS**  
**PUBLISHER : LEARNING HILL**  
**TERM 2**

MONTHS	TOPICS	ACTIVITIES( TENTATIVE)
OCTOBER	CHAPTER 4: MULTIPLICATION CHAPTER 5: DIVISION	# SUNFLOWER FRACTION GARDEN
NOVEMBER	CHAPTER 6: FRACTIONS	# ' METRIC ME' – Measuring outside classroom objects using ruler and measuring tape.
DECEMBER	CHAPTER 8: MEASUREMENT	# ' GRAB THE DEAL' – Billing
JANUARY	CHAPTER 10: MONEY CHAPTER 9: TIME	# 'A TALE OF TIME'- Understanding time in a clock
FEBRUARY	CHAPTER 11: PATTERN AND SYMMETRY	

- **ACTIVITIES WILL BE TAKEN AS PER THE REQUIREMENT.**

**MATHEMATICS SYLLABUS BREAKUP**  
**CLASS -4**  
**SESSION : 2021-22**  
**PRESCRIBED BOOK : LET'S MAGNIFY MATHEMATICS**  
**PUBLISHER : LEARNING HILL**  
**TERM 2**

OCTOBER	Lesson – 5 Factors and Multiples  Lesson – 9 Patterns and Nets	*Finding common multiples and LCM of given numbers on a number grid
NOVEMBER	Lesson - 6 Fractions  Lesson - 10 Measurement	* <b>Pizza activity</b> Understanding equivalent fractions  * <b>Estimate and Accurate</b> Finding measurement of different objects through estimation then comparing with accurate measurement.
DECEMBER	Lesson- 11 Perimeter and Area	.
JANUARY	Lesson - 12 Time	
FEBRUARY	Lesson - 13 Money  REVISION FOR SA- II	<b>Grocer store Math:</b> Buying and selling goods on a pre decided budget

**MATHEMATICS SYLLABUS BREAKUP**  
**CLASS - 5**  
**SESSION : 2021-22**  
**PRESCRIBED BOOK : LET'S MAGNIFY MATHEMATICS**  
**PUBLISHER : LEARNING HILL**  
**TERM 2**

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**TERM- II**

<b>Month</b>	<b>Topic</b>	<b>Activity</b>
<b>October</b>	<b>Lesson-5 Decimals Lesson-6 Percentages</b>	<b>7. Relationship of Fraction, Decimals and Percents: Construct your own art work on a 10 x10 grid by using three different colours.</b>
<b>November</b>	<b>Lesson-7 Money-Unitary Method, Profit and Loss Lesson- 10 Measurement</b>	<b>8. Activity based worksheet on profit and loss. 9. Measurement of different objects.</b>
<b>December</b>	<b>Lesson- 11 Perimeter, Area and Volume</b>	<b>10. To find the area of a rectangle and a square using grid sheet.</b>
<b>January</b>	<b>Lesson -12 Time and Temperature</b>	<b>11. Let's Magnify Mathematics. Page-243</b>
<b>February</b>	<b>Revision</b>	

SESSION: 2021-22

**BASAVA INTERNATIONAL SCHOOL**  
**CLASS: VI**  
**MATHEMATICS TERM II SYLLABUS**

<b>Chapter No.</b>	<b>Chapter Name</b>
Ch-8	Decimals
Ch-12	Ratio & Proportion
Ch- 9	Data Handling
Ch-11	Algebra
Ch-10	Perimeter & Area
Ch-13	Symmetry
Ch-14	Practical Geometry
Ch-6	Integers (from Term II)

**BASAVA INTERNATIONAL SCHOOL**  
**CLASS: VII (2021-22)**  
**MATHEMATICS TERM II SYLLABUS**

<b>Chapter No.</b>	<b>Chapter Name</b>
Ch-7	Congruence of triangles
Ch-8	Comparing quantities
Ch-11	Perimeter & Area
Ch-13	Exponents & Powers
Ch-12	Algebraic expressions
Ch-15	Visualising Solid Shapes
Ch-14	Symmetry
Ch-10	Practical Geometry
Ch- 4	Simple Equations(from I term)
Ch- 9	Rational Numbers(from I term)



**BASAVA INTERNATIONAL SCHOOL**  
**CLASS: VIII**  
**MATHEMATICS TERM II SYLLABUS**

<b>Chapter No.</b>	<b>Chapter Name</b>
Ch-14	Factorization
Ch-6	Square and Square Roots
Ch-7	Cube and Cube Roots
Ch-8	Comparing Quantities
Ch-3	Understanding Quadrilaterals
Ch-4	Practical geometry
Ch-10	Visualizing Solid shapes
Ch-16	Playing with Numbers
Ch-15	Introduction to Graphs
Ch- 11	Mensuration(From Term I)
Ch- 9	Algebraic Expression and Identities (From Term I)
Ch-12	Exponents(From Term I)

BASAVA INTERNATIONAL SCHOOL  
 CLASS: IX  
 SUBJECT: MATHEMATICS  
 MONTHWISE SYLLABUS BREAKUP  
 TERM II  
 SESSION : 2021- 22  
 COURSE BOOK: NCERT

MONTH	CHAPTER NO.	TOPIC	ACTIVITIES
OCTOBER	CH- 8 CH – 15	QUADRILATERALS PROBABILITY	To find experimental probability of unit digits of telephone numbers listed on a page selected at random To verify the straight line joining the mid points of any two sides of a triangle is parallel to the third side and is equal to half of it.
NOVEMBER		REVISION AND HALF YEARLY	
DECEMBER	CH – 13 CH – 11	MENSURATION CONSTRUCTION	To form a cuboid and find the formula for its surface area experimentally
JANUARY	CH-10	CIRCLES	To verify the angles in the same segment are equal
FEBRUARY		REVISION	

CLASS X  
MATHEMATICS  
TERM II (2021-22)

MONTH	UNIT	CHAPTER
DECEMBER	ALGEBRA	<ul style="list-style-type: none"> <li>• QUADRATIC EQUATION</li> <li>• ARITHMETIC PROGRESSION</li> </ul>
	STATISTICS	
JANUARY	GEOMETRY	<ul style="list-style-type: none"> <li>• CIRCLES</li> <li>• CONSTRUCTION</li> </ul>
FEBRUARY	MENSURATION	<ul style="list-style-type: none"> <li>• SURFACE AREA AND VOLUME</li> </ul>
	TRIGONOMETRY	<ul style="list-style-type: none"> <li>• SOME APPLICATION OF TRIGONOMETRY</li> </ul>

**CLASS: XI**  
**TERM: 2**

**MONTHWISE SYLLABUS BIFURCATION**

MONTH	CHAPTER NAME
DECEMBER	LIMITS & DERIVATIVES CONIC SECTION, TRIGONOMETRY AND INEQUALITIES
JANUARY	PERMUTATIONS AND COMBINATIONS AND 3D
FEBRUARY	PROBABILITY AND REVISION

**SUBJECT: MATHEMATICS ( 041)**

**CLASS: XII**

**TERM: 2**

**MONTHWISE STANDARD MATHEMATICS SYLLABUS BIFURCATION**

<b>MONTH</b>	<b>CHAPTER NAME</b>	
DECEMBER	INTEGRAL(INDEFINTE&DEFINTE) ,APPLICATION OF INTEGRAL	
JANUARY	DIFFERENTIAL EQUATION,VECTORS AND 3D	
FEBRUARY	PROBABILITY AND REVISION	

**MONTHWISE APPLIED MATHEMATICS SYLLABUS BIFURCATION**

<b>MONTH</b>	<b>CHAPTER NAME</b>	
DECEMBER	INTEGRAL(INDEFINTE&DEFINTE) ,APPLICATION OF INTEGRAL	
JANUARY	DIFFERENTIAL EQUATION,INFERENTIAL STATISTICS AND LINEAR PROGRAMMING	
FEBRUARY	INDEX NUMBERS TIME SERIES ANALYSIS AND FINANCIAL MATHEMATICS .	