

**AKAL ACADEMY BARU SAHIB  
SYLLABUS (2021 – 2022)**

**CLASS: VI**

**SUBJECT: Mathematics**

**Name of the books: Maths Mate based on NCERT**

**Name of the publisher:**

**Unit I (Pre Mid-Term)**

<b>Revisit – Basics in English and Mathematics/Identification of learning gap areas(15/03/2021 –31/03/2021)</b>			
<b>Duration</b>	<b>Content</b>	<b>Subject Enrichment Activity</b>	
<b>01/04/2021 To 16/05/2021</b>	Chapter 1 : Knowing our numbers Chapter 2 : Playing with numbers Chapter 3 : Whole Numbers Chapter 4 : Introduction to Integers	To find estimated length and Breadth of blackboard and desktop and comparison with original.  OR Sieve of Eratosthenes for finding prime number.	
<b>Pre Mid- Term Exam (17/05/2021 –27/05/2021)</b>			
<b>Unit II (Mid-Term)</b>			
<b>1/07/2021 To 01/09/2021</b>	Chapter 4 : Integers (Continue....) Chapter 7 : Introduction to Algebra Chapter 10 : Basic geometrical ideas Chapter 11 : Understanding elementary shapes. Chapter 15 : Data Handling	To represent the integers on number line	
<b>Mid- Term Exam (02/09/2021 -15/09/2021)</b>			
<b>Unit III (Post Mid-Term)</b>			
<b>16/09/2021 to 04/12/2021</b>	Chapter 5 : Fractions Chapter 6 : Decimals Chapter 9 : Ratio and proportion Chapter 14 : Perimeter and area	Paper folding activity on fractions. To find the area of irregular shape by activity method.	
<b>Post Mid- Term Exam(04/12/2021-16/12/2021)</b>			
<b>Unit IV (Final Exam)</b>			
<b>04/12/2021 to 20/02/2022</b>	Chapter 8 : Linear Equations in one variable Chapter 12 : Symmetry Chapter 13 : Practical Geometry	Construct any five angles of your choice.  Nature walk to observe, symmetry in our environment	
<b>Final Exam (03/03/2022 -16/03/2022)</b>			



**AKAL ACADEMY BARU SAHIB**  
**SYLLABUS (2021 – 2022)**

**CLASS : VII**

**SUBJECT: Mathematics**

**Name of the books: Maths Mate based on NCERT**

**Name of the publisher:**

**Unit I (Pre Mid-Term)**

<b>Revisit – Basics in English and Mathematics/Identification of learning gap areas(15/03/2021 –31/03/2021)</b>			
<b>Duration</b>	<b>Content</b>	<b>Subject Enrichment Activity</b>	
<b>01/04/2021 To 16/05/2021</b>	Chapter 1 : Integers Chapter 2 : Fractions Chapter 3 : Decimal Chapter 4 : Rational numbers	Number line game based on integers using cards	
<b>Pre Mid- Term Exam (17/05/2021 –27/05/2021)</b>			
<b>Unit II (Mid-Term)</b>			
<b>01/07/2021 To 01/09/2021</b>	Chapter 6 : Algebraic expressions Chapter 7 : Linear Equations in one variable Chapter 8 : Comparing quantities Chapter 9 : Lines and angles Chapter 10 : The Triangle & its properties (Introduction)	Representation of rational numbers on number line.	
<b>Mid- Term Exam (02/09/2021 15/09/2021)</b>			
<b>Unit III (Post Mid-Term)</b>			
<b>16/09/2021 to 04/12/2021</b>	Chapter 10 : The Triangle & its properties (Continue..) Chapter 11 : Congruence of triangle Chapter 5 : Exponents and powers Chapter 15 : Perimeter and area Chapter 16 : Data Handling	To find the area of different shapes by counting the number of squares on squared sheet	
<b>Post Mid- Term Exam(04/12/2021-16/12/2021)</b>			
<b>Unit IV (Final Exam)</b>			
<b>17/12/2021 to 20/02/2022</b>	Chapter 12 : Symmetry Chapter 13 : Visualizing solid shapes Chapter 14 : Practical Geometry	<ul style="list-style-type: none"> <li>● Nature walk to observe symmetry in nature.</li> <li>● To draw a cube with an edge of 5 cm on isometric dot paper &amp; draw its oblique sketch.</li> </ul>	
<b>Final Exam (03/03/2022 -16/03/2022)</b>			



**AKAL ACADEMY BARU SAHIB**  
**SYLLABUS (2021 – 2022)**

**CLASS : VIII**

**SUBJECT: Mathematics**

**Name of the books :**

**Name of the publisher:**

**Unit I (Pre Mid-Term)**

<b>Revisit – Basics in English and Mathematics/Identification of learning gap areas(15/03/2021 –31/03/2021)</b>			
<b>Duration</b>	<b>Content</b>	<b>Subject Enrichment Activity</b>	
<b>01/04/2021 To 16/05/2021</b>	Ch 1. Rational Numbers Ch 3. Square & square roots Ch 4. Cubes and Cube roots Ch 5. Playing with numbers Ch 6. Linear Equation in one variable	To represent the rational numbers on number line.  To show that the sum of all exterior angles of a polygon is $360^\circ$ .	
<b>Pre Mid- Term Exam (17/05/2021 –27/05/2021)</b>			
<b>Unit II (Mid-Term)</b>			
<b>01/07/2021 To 01/09/2021</b>	Ch 7. Algebraic Expressions & Identities Ch 9. Comparing quantities Ch 11. Simple Interest & Compound Interest Ch 12. Understanding Quadrilaterals Ch 17 Data Handling	To find the squares of different numbers. To verify algebraic identity $(a+b)^2=a^2+2ab+b^2$	
<b>Mid- Term Exam (02/09/2021 -15/09/2021)</b>			
<b>Unit III (Post Mid-Term)</b>			
<b>16/09/2021 to 04/12/2021</b>	Ch 2. Exponents and Powers Ch 8 Factorization Ch 10. Direct and inverse variations Ch 13. Visualizing solid shapes Ch 14. Practical Geometry	To draw front view, side view and top view of given 3 – dimension shapes.	
<b>Post Mid- Term Exam(04/12/2021-16/12/2021)</b>			
<b>Unit IV (Final Exam)</b>			
<b>17/12/2021 to 20/02/2022</b>	Ch 15 Area of polygons Ch 16. Surface area and volume Ch 18. Introduction to Graphs	To locate given coordinates on the graph paper. To verify the formula of the curved surface area of a right circular cylinder by activity method.	
<b>Final Exam (03/03/2022 -16/03/2022)</b>			

