

**KOTHARI INTERNATIONAL SCHOOL, NOIDA**  
**ANNUAL SYLLABUS**  
**SESSION 2020-21**  
**GRADE 5**  
**ENGLISH**

<b>Month</b>	<b>Topics</b>
<b>June</b>	<b>Grammar -</b> <b>Types of Adjectives</b> <b>- Interrogative</b> <b>-Possessive</b>  <b>Literature -</b> <b>CH - The Photograph</b>  <b>WRITING SKILL -</b> <b>SUMMARY WRITING</b>
<b>July</b>	<b>Grammar -</b> <b>Types Of Pronouns</b> <b>-Personal</b> <b>-Possessive</b> <b>Demonstrative</b> <b>Writing Skill -</b> <b>Book Review / Movie Review</b>
<b>August</b>	<b>Grammar -</b> <b>Character Description</b>  <b>Literature -</b> <b>You Can't Be That</b>
<b>September</b>	<b>Grammar -</b> <b>Subject Verb Agreement</b> <b>Literature -</b> <b>Hasmina's Butterfly</b>
<b>October</b>	<b>Grammar -</b> <b>Tenses</b> <b>Perfect Tenses</b> <b>Writing Skill -</b> <b>Story Writing</b>
<b>November</b>	<b>Literature -</b> <b>Sour Grapes</b> <b>Grammar - Prepositions</b> <b>Time</b>  <b>Place</b>  <b>Direction</b>

<b>December</b>	<b>WRITING SKILL - Article Writing Literature - The Letter Box</b>
<b>January</b>	<b>Grammar - Adverbs Time  Frequency  Place  Manner Writing Skill - Notice Writing</b>
<b>February</b>	<b>Writing - Notice Writing Literature - Sinbad the Sailor</b>
<b>March</b>	<b>Literature - Books  Grammar- Revision of Grammar</b>

## विषय - हिन्दी, कक्षा - 5

क्रम सं	माह	विषय
1.	अप्रैल	<ul style="list-style-type: none"> <li>• स्वर ,व्यंजन की पहचान {पुनरावृत्ति }</li> <li>• मात्राएँ</li> <li>• बारह खड़ी</li> <li>• <u>व्याकरण</u></li> <li>• अनुस्वार व अनुनासिक शब्द</li> </ul>
2.	जून	<u>कविता - सहानुभूति</u> <u>व्याकरण</u> <ul style="list-style-type: none"> <li>• संज्ञा व उसके भेद</li> <li>• मात्रा का अभ्यास</li> <li>• विलोम शब्द</li> <li>• रचनात्मक लेखन (समय का सदुपयोग)</li> </ul>
3.	जुलाई	<u>कविता- वनस्पति ! करते प्रणाम हम</u> <ul style="list-style-type: none"> <li>• <u>व्याकरण -</u></li> <li>• विराम चिह्न</li> <li>• मात्रा का अभ्यास</li> <li>• क्रिया व उसके भेद</li> </ul>
4.	अगस्त	<u>पाठ - अब्बू खाँ की बकरी</u> <u>व्याकरण-</u> <ul style="list-style-type: none"> <li>• काल</li> <li>• वर्ण-विच्छेद</li> <li>• मात्रा का अभ्यास</li> <li>• अपठित गद्यांश</li> </ul>
5.	सितम्बर	<u>कविता- आया वसंत</u> <u>व्याकरण</u> <ul style="list-style-type: none"> <li>• पर्यायवाची शब्द</li> <li>• पत्रलेखन (अनौपचारिक)</li> <li>• अपठित पद्यांश</li> <li>• मात्राओं का अभ्यास (शुद्ध -अशुद्ध )</li> </ul>
6.	अक्टूबर	<ul style="list-style-type: none"> <li>• <u>पाठ - जंकी बर्गर का पश्चाताप</u></li> <li>• <u>व्याकरण</u></li> <li>• मात्राओं का अभ्यास</li> <li>• विशेषण व उसके भेद अनुच्छेद लेखन (मनाओ प्रदूषण मुक्त दीपावली)</li> </ul>

7.	नवम्बर	<ul style="list-style-type: none"> <li>• पाठ - <u>भिक्षा पात्र</u></li> <li>• <u>व्याकरण</u></li> <li>• सर्वनाम व उसके भेद</li> <li>• मुहावरे</li> <li>• मात्रा का अभ्यास</li> </ul>
8.	दिसम्बर	<ul style="list-style-type: none"> <li>• पाठ - <u>पानी और रसगुल्ले</u></li> <li>• <u>व्याकरण</u></li> <li>• संवाद लेखन</li> <li>• मात्रा का अभ्यास</li> <li>• अनुच्छेद लेखन ( बड़ा दिन )</li> </ul>
9.	जनवरी	<ul style="list-style-type: none"> <li>• पाठ - <u>ओणम</u></li> <li>• <u>व्याकरण</u></li> <li>• कहानी लेखन</li> <li>• अनेकार्थक शब्द</li> <li>• मात्राओं का अभ्यास</li> <li>• अपठित गद्यांश</li> </ul>
10.	फ़रवरी	<ul style="list-style-type: none"> <li>• पाठ - <u>नादान दोस्त</u></li> <li>• <u>व्याकरण -</u></li> <li>• डायरी लेखन</li> <li>• अपठित गद्यांश</li> <li>• मात्रा का अभ्यास</li> <li>• गिनती (1 से 100)</li> </ul>
11.	मार्च	<ul style="list-style-type: none"> <li>• पुनरावृत्ति</li> </ul>

## MATHEMATICS

S.No	Month	Topic	Subtopics
1	April	Revision of previous grade topics  Layer 2: Large Numbers	<ul style="list-style-type: none"> <li>• Quick recap worksheets</li> </ul> <p style="text-align: center;"><u>Layer-2</u></p> <ul style="list-style-type: none"> <li>• Indian place value system</li> <li>• Face and place value system</li> <li>• Expanded form</li> </ul>
2	June	Layer 2: Large Numbers  Layer-3: Operations on Large numbers	<p style="text-align: center;"><u>Layer-2</u></p> <ul style="list-style-type: none"> <li>• Comparison of numbers</li> <li>• Ordering of numbers</li> <li>• Forming numbers</li> <li>• International place value system</li> <li>• Comparison of Indian and International place value system</li> <li>• Rounding off</li> </ul> <p style="text-align: center;"><u>Layer 3</u></p> <ul style="list-style-type: none"> <li>• Addition- Terms and Properties of addition</li> <li>• Real life Applications</li> <li>• Subtraction- Terms and Properties of subtraction</li> <li>• Real life Applications</li> <li>• Checking of subtraction</li> <li>• Estimation of Sum and difference</li> <li>• Mental Maths</li> <li>• Multiplication- Terms and Properties and Multiplying by a 1- digit multiplier</li> <li>• Multiplying by a 2- digit multiplier, word problems</li> <li>• Multiplying by a 3- digit multiplier, word problems</li> </ul>
3	July	Layer 3: Operations on Large Numbers  Layer 4: Factors and Multiples	<p style="text-align: center;"><u>Layer 3</u></p> <ul style="list-style-type: none"> <li>• Multiplying by a 4- digit multiplier, word problems</li> <li>• Multiplication by 10,100 &amp; 1000</li> <li>• Estimation of product</li> <li>• Division- Terms and Properties, division by 1 Digit Divisor</li> <li>• Division by 2-digit Divisor and word problems</li> <li>• Division by 3digit Divisor and word problems</li> <li>• Division by 10,100 &amp; 1000</li> </ul>

			<ul style="list-style-type: none"> <li>• Estimation of Quotient</li> </ul> <p><u>Layer 4</u></p> <ul style="list-style-type: none"> <li>• Properties of Factors</li> <li>• Divisibility Rules</li> <li>• More on Divisibility Tests</li> <li>• Types of Numbers- Sieve of Eratosthenes</li> <li>• Listing of factors</li> <li>• Factor Tree</li> <li>• Prime Factorisation by using Repeated Division Method</li> </ul>
4	August	<p>Layer- 4: Factors and Multiples</p> <p>Layer -5: Fractions</p>	<p><u>Layer 4</u></p> <ul style="list-style-type: none"> <li>• HCF – Properties</li> <li>• HCF – by listing factors</li> <li>• HCF- by Prime factorization method</li> <li>• HCF – Real life Applications</li> <li>• Properties of Multiples</li> <li>• Listing of Multiples</li> <li>• LCM- by listing common Multiples</li> <li>• LCM -by common division method</li> <li>• LCM-Real life Applications</li> <li>• Relationship between HCF and LCM</li> <li>• Real life Applications</li> </ul> <p><u>Layer 5</u></p> <ul style="list-style-type: none"> <li>• Basic facts about Fractions</li> <li>• Types of Fractions</li> <li>• Equivalent Fractions</li> <li>• Checking of Equivalent Fractions</li> </ul>
5	September	Layer- 5: Fractions	<p><u>Layer 5</u></p> <ul style="list-style-type: none"> <li>• Reducing Fractions to its lowest terms- Dividing by a common factor</li> <li>• Reducing Fractions to its lowest terms- Dividing by a HCF</li> <li>• Comparison of like Fractions</li> <li>• Conversation of Unlike to like Fractions</li> <li>• Comparison of Unlike Fractions</li> <li>• Ordering of Fractions</li> <li>• Addition and Subtraction of Fractions</li> <li>• Real life Applications</li> <li>• Multiplication of Fractions with Whole Numbers.</li> <li>• Multiplication of Fractions with Fractions</li> <li>• Real life Applications</li> <li>• Reciprocal of Fractions</li> <li>• Division of a whole number by a Fraction and vice-a-versa.</li> <li>• Division of Fraction by a Fraction</li> </ul>

			<ul style="list-style-type: none"> <li>• Real life Applications</li> </ul>
6	October	Layer 6: Decimals	<p style="text-align: center;"><u>Layer-6</u></p> <ul style="list-style-type: none"> <li>• Facts about decimals</li> <li>• Decimal place value system</li> <li>• Expanded form of Decimals</li> <li>• Converting Fractions to Decimals</li> <li>• Converting Decimals to Fractions</li> <li>• Equivalent Decimals</li> <li>• Like and unlike decimals</li> <li>• Comparison and ordering of Decimals</li> <li>• Addition and subtraction of Decimals</li> <li>• Simplification of Decimals using DMAS</li> <li>• Real life application of Decimals</li> <li>• Multiplication of Decimal by a whole number</li> <li>• Multiplication of Decimal by Decimal number</li> <li>• Multiplication by 10,100 &amp; 1000</li> <li>• Division of Decimal by a whole number</li> <li>• Division of Decimals by 10,100&amp;1000</li> <li>• Real life Applications</li> <li>• Bills</li> </ul>
7	November	Layer- 10: Measurement	<p style="text-align: center;"><u>Layer 10</u></p> <ul style="list-style-type: none"> <li>• Metric Units facts</li> <li>• Conversion of greater units into smaller units</li> <li>• Conversion of smaller units into greater units</li> <li>• Mixed units Conversion</li> <li>• Addition and subtraction of metric units</li> <li>• Real life Applications</li> <li>• Multiplication of Metric Units</li> <li>• Division of Metric Units</li> <li>• Real life Applications</li> <li>• Time</li> <li>• Conversion of days into hours</li> <li>• Conversion of hours into minutes</li> <li>• Conversion minutes into seconds</li> <li>• Conversion of hours into days</li> <li>• Conversion minutes into hours</li> <li>• Conversion seconds into minutes</li> </ul>
8	December	Layer- 10: Measurement Layer-11 : Geometry	<p style="text-align: center;"><u>Layer- 10</u></p> <ul style="list-style-type: none"> <li>• 12hr and 24hr clock</li> <li>• Converting 12-hr clock time to 24hr clock time</li> <li>• Converting 24-hr clock time to 12hr clock time</li> </ul>

			<ul style="list-style-type: none"> <li>• Addition of time</li> <li>• Subtraction of time</li> <li>• Duration of an Activity</li> <li>• Real life Applications</li> <li>• Calendar</li> <li>• Addition of days</li> <li>• Subtraction of days</li> <li>• Temperature</li> <li>• Types of thermometer</li> </ul> <p><u>Layer-11</u></p> <ul style="list-style-type: none"> <li>• Facts about Geometry</li> <li>• Angles - Important points about Angles</li> <li>• Naming of Angles</li> <li>• Interior and Exterior of an Angle</li> </ul>
9	January	<p>Layer-11 : Geometry</p> <p>Layer- 13: Perimeter and Area</p>	<p><u>Layer-11</u></p> <ul style="list-style-type: none"> <li>• Classification of Angles</li> <li>• Measuring of Angles with the help of a protractor</li> <li>• Complementary and Supplementary of Angles</li> <li>• Construction of Angles using Protractor</li> <li>• Pairs of lines</li> <li>• Types of Polygons</li> <li>• Types of Triangles</li> <li>• Types of Quadrilaterals</li> <li>• Elements of circle</li> <li>• Conversion of radius to diameter and vice-a-versa</li> <li>• Construction of circle</li> </ul> <p><u>Layer- 13</u></p> <ul style="list-style-type: none"> <li>• Perimeter of Polygons</li> <li>• Perimeter of Square and Rectangle using grid</li> <li>• Perimeter of Square and Rectangle by finding the sum of sides</li> <li>• Perimeter of Rectangle by using formula</li> <li>• Perimeter of Square by using formula</li> </ul>
10	February	<p>Layer- 13: Perimeter and Area</p>	<p><u>Layer- 13</u></p> <ul style="list-style-type: none"> <li>• Find the missing side of Rectangle when perimeter is given</li> <li>• Find the missing side of Square when perimeter is given</li> <li>• Real life Applications</li> <li>• Area of Rectangle using grid</li> <li>• Area of Rectangle using formula</li> <li>• Area of Square using grid</li> <li>• Area of Square using formula</li> <li>• Finding the missing length or breadth of Rectangle when Area is given</li> </ul>

			<ul style="list-style-type: none"> <li>• Real life Applications</li> <li>• To find the number of tiles and cost</li> <li>• Area of Triangle using grid</li> <li>• Area of Triangle using formula</li> <li>• Area of pathways when outer boundary dimensions are given</li> <li>• Area of pathways when inner boundary dimensions are given</li> <li>• Area of cross roads</li> <li>• Real life application</li> </ul>
<b>11</b>	<b>March</b>	<b>Mixed Revision</b>	<b>Revision</b>

## SCIENCE

S.No.	MONTH	CHAPTERS
1.	June	Layer - 1 (human skeletal and muscular system)
2.	July	Layer - 3 (more about plants)
3.	August	Layer - 4 (animals and their surroundings)
4.	September	Layer - 11 (changes in our environment)
5.	October	Layer - 6 (food and health)
6.	November	Layer - 10 (water)
7.	December	Layer - 9 (air)
8.	January	Layer - 2 (the nervous system)
9.	February	Layer - 14 (force and energy) Layer - 15 (simple machines)
10.	March	Layer - 5 (safety and first aid)

## SOCIAL SCIENCE

<b>S.No.</b>	<b>MONTH</b>	<b>CHAPTERS</b>
<b>1.</b>	<b>June</b>	<b>Our government</b>
<b>2.</b>	<b>July</b>	<b>The coming of the europeans</b>
<b>3.</b>	<b>August</b>	<b>The revolt of 1857</b>
<b>4.</b>	<b>September</b>	<b>Our struggle for freedom</b>
<b>5.</b>	<b>October</b>	<b>India wins freedom</b>
<b>6.</b>	<b>November</b>	<b>Weather and climate</b>
<b>7.</b>	<b>December</b>	<b>Temperate grasslands prairies</b>
<b>8.</b>	<b>January</b>	<b>Natural disasters</b>
<b>9.</b>	<b>February</b>	<b>The united nations</b>
<b>10.</b>	<b>March</b>	<b>Recaptulation</b>

# ICT

## INFORMATION AND COMMUNICATIONS TECHNOLOGY

S.NO	MONTH	TOPICS	SUB TOPICS
1.	April	Ms-word	Insert-header Insert footer text & symbols Drop cap
2.	June	Ms powerpoint Storage devices <ul style="list-style-type: none"> <li>• Examples</li> </ul> Memory –primary & secondary memory <ul style="list-style-type: none"> <li>• Different kinds of memory</li> </ul>	Insert tab, home tab, animation
3.	July	Ms powerpoint Project work: powerpoint of solar system Introduction to multimedia Internet,computer networks	Advanced features What is a multimedia History of internet Requirements of internet Pan, lan,man,wan Latest developments in the field of it
4	August	Introduction to ms excel	
5.	September	ms excel Project: report card in excel	Home tab, page layout, page setup
6.	October	Logo basic,turtle	
7.	November	<ul style="list-style-type: none"> <li>• Turtle commands</li> <li>• Logo -controlling the turtle and pen</li> <li>• Logo functions</li> </ul>	
8.	December	Project: logo to make different figures	
9.	January	Introduction to q basic( programming language)	Cls, print,rem command
10.	February	Q basic (cont...)	
11.	MARCH	REVISION	

## ART

S.NO	MONTH	TOPIC
1	June	<b>SCENE COMPOSITION- BIRD</b>
		1. Drawing of the composition.
		2. Colouring & shading.
		3. Assembling the drawings together to create a scene.
2	July	<b>SCENE COMPOSITION- FROG</b>
		1. Drawing of the composition.
		2. Colouring & shading.
3	August	<b>INDEPENDENCE DAY CRAFT</b>
		1. Division & cutting of paper in equal parts.
		2. Arranging them in one set each.
		3. A full arrangement of the craft.
4	September	<b>SCENE COMPOSITION- HEN</b>
		1. Drawing of the composition.
		2. Colouring & shading.
5	October	<b>ZEN TANGLE PAINTING</b>
		1. Drawing of Zen tangles in different designs.
		2. Water colour effect.

6	November	<b>RANGOLI</b>
		1. Introduction to symmetrical designs.
		2. Design planning & cutting of shapes.
		3. Aesthetic arrangement in symmetry to make a Rangoli.
7	December	<b>CHRISTMAS CRAFT</b>
		1. Cutting of hand shape in different shades of green.
		2. Arranging them in a circular manner on the front & back sides.
		3. Finishing touch to the activity.
8	January	<b>STRUCTURE OF EYE</b>
		1. Understanding the structure.
		2. Drawing the structure.
		3. Colouring the structure.
9	February	<b>STRUCTURE OF EAR</b>
		1. Understanding the structure.
		2. Drawing the structure.
		3. Colouring the structure.