

Curriculum Overview:

School name	Kothari International School Noida	School code	
Grade	CAM 5		
Level <i>(indicate with X)</i>	Higher <input type="checkbox"/>	Standard, completed in two years <input type="checkbox"/>	Standard, completed in one year* <input type="checkbox"/>

S.No	Subject and Teacher	Topics	Allocated Time
1.	English <i>Ms. Tanvi</i>	<p><u>Unit 1</u> Fiction Readings and Comprehension Sentence length and Structure Main and Subordinate Clauses</p> <ul style="list-style-type: none"> ● Subordinate Conjunction ● Present Participles & Past Participles <p>Verbs</p> <ul style="list-style-type: none"> ● Placement of Clauses <p>Direct Speech</p> <p>Reading :</p> <ul style="list-style-type: none"> ● Kara's one big chance ● Alaskan Adjectives (Part1) <p><u>Unit 2</u> Recapitulation of Unit 1 Colons and Semicolons Fiction Reading and Comprehension Alaskan Adventure (Part 2) Recap</p> <p><u>Unit 3</u> Narrative Voice and Viewpoints</p> <ul style="list-style-type: none"> ● First Person Narrative ● Narrative Structure <p>Understanding Playscript Modal Verbs Commas, Dashes, & Brackets Writing a Playscript Playscript Reading & Comprehension The Tempest Adverbials of Time Prefixes and Suffixes Single and Multiclaue Sentences Writing an Article Non- Fiction Reading and Comprehension</p> <ul style="list-style-type: none"> ● Biography Wilma Rudolph: Olympic Athlete ● Newspaper article Gold! Gold! Gold! ● Autobiography Mike Perham: Sailing the Dream ● Journalistic Interview: We Salute You! <p><u>Unit 4</u></p>	<p>April 6 classes/ week</p> <p>1 May – Summer Break 6 classes / week</p> <p>July- Aug 6 classes/ week</p> <p>Aug- Sep</p>

	<p>World Classes Shades of Meaning Adjectives and Adverbs Description of Setting Fiction Writing Reading & Comprehension</p> <ul style="list-style-type: none"> ● The Tiger and the Frog ● Peter and the Wolf (Part 1) ● Peter and the Wolf (Part 2) <p>Recap <u>Unit 5</u> Persuasive Language Persuasive Punctuation Persuasive Writing Conjunctions, Adverbs and Adverbials Relative Clauses and Relative Pronouns Developing your Argument Write to Persuade Reading and Comprehension</p> <ul style="list-style-type: none"> ● Welcome to our School Family ● The Pros and Cons of H.W <p><u>Unit 6</u> Tricky Spellings Unstressed vowels Difficult words and Homophones Poetic Devices Figurative Language Poetry Reading and Comprehension</p> <ul style="list-style-type: none"> ● Dragon Dance ● Celebration ● Sunbeam ● I Love Birthday Parties ● Tree Festivals <p><u>Unit 7</u> Recap – Unit 4,5,6 Narrative Voice and ViewPoint Word Origins Proverbs and Idioms Active and Passive Voices Third Person Narrative Reading Comprehension</p> <ul style="list-style-type: none"> ● Young Bond Young Bond: Double or Die ● How it all began Stormbreaker ● Alex becomes a spy Stormbreaker ● Precious and the Monkeys: Precious Ramotswe's Very First Case <p><u>Unit 8</u> Using Imperative Verbs</p>	<p>6 classes/ week</p> <p>Oct 6 classes/ week</p> <p>Nov 6 classes/ week</p> <p>Dec 6 classes/ week</p> <p>Jan 6 classes/ week</p>
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	<p>Adverbials of Time Multi Clause Sentences Qualifiers Writing a Non-Chronological Report Reading Comprehension</p> <ul style="list-style-type: none"> ● The Galapagos Islands Expedition of a Lifetime ● Website Report Last Chance for Maui Dolphins ● Information Text Conserving Rainforests <p><u>Unit 9</u> Compounding Words Speech Marks Poetry Writing and Performance Reading and Comprehension</p> <ul style="list-style-type: none"> ● The Tornado ● It's only the Storm ● Kennings Historian and Who is this? ● My Dad's a Secret Agent <p>Recap</p>	<p style="text-align: center;">Feb 6 classes/ week</p>
2.	<p>Mathematics <i>Ms. Vatsal</i></p> <p><u>Unit 1</u> Number and Place Value Place Value Rounding off Negative Numbers Comparing Numbers Place Value Facts</p> <p><u>Unit 2 Addition, Subtraction, Multiplication and Division</u> Mental Strategies for Addition and Subtraction Mental Strategies for Multiplication and Division. Adding and Subtracting Near Multiples Estimating First in Calculations Multiplying 3 and 4 Digit Numbers</p>	<p style="text-align: center;">April 6 classes/ week</p> <p style="text-align: center;">May 6 classes/ week (till summer break)</p>
	<p><u>Unit 2 Addition, Subtraction, Multiplication and Division</u> Long Division Short Division</p>	<p style="text-align: center;">July 6 classes/ week</p>

	Division with Remainders Factors, Multiples, Prime Numbers Orders of Operations Arithmetic Laws	
	<u>Unit 5 (Algebra)</u> Number Sequence Using a Formula Missing Number Formula Problems with Two Unknown Variables <u>Unit 8 (Time)</u> Units of Time 24-hr Clock Time Zones	Aug 6 classes/ week
	<u>Unit 7 (Areas, Perimeter, Volumes)</u> Area and Perimeter of Rectilinear Shapes Area of Triangle and Parallelogram Area of Irregular Shapes Volume <ul style="list-style-type: none"> • Recap 	Sep 6 classes/ week
	<u>Unit 9 (Geometry / Properties of Shapes)</u> Classifying 2-D Shapes Properties of 2-D Shapes Properties of 3-D Shapes Making 2-D Representations of 3-D Shapes Angle in Shapes Missing Angles Circles	Oct 6 classes/ week
	<u>Unit 3 (Fractions, Decimals and Percentage)</u> Equivalent Fractions Mixed Number and Improper Number Ordering Fractions and Mixed Number Adding and Subtracting Fractions	Nov-Dec 6 classes/ week

		Multiplying Fractions Dividing Fractions Fractions and Decimals Place Value in Decimals Multiplying Decimals Dividing Decimals Decimals Problems Fraction, Decimals and Percentage	
		<u>Unit 4 (Ratio and Proportion)</u> Ratio Proportion Percentage Problems Scaling	Dec 6 classes/ week
		<u>Unit 6 (Length, Mass and Capacity)</u> Comparing Units Conversion of Units Reading Scales Imperial Units	Jan 6 classes/ week
		<ul style="list-style-type: none"> ● Recap 	Feb 6 classes/ week
3	Science <i>Ms. Vatsal Singh &</i> <i>Ms. Prerna Chauhan</i>	<u>Unit 1: Classification & Habitat</u> Habitats <ul style="list-style-type: none"> ● Types of Habitats Existing Classification Systems <ul style="list-style-type: none"> ● Living things <ul style="list-style-type: none"> - Prokaryotes - Protists - Fungi - Plants - Animals ● Plants <ul style="list-style-type: none"> - Makes Seeds & don't Makes Seeds ● Microorganisms <ul style="list-style-type: none"> - Virus - Bacteria - Protozoa - Fungi - Algae ● Animals <ul style="list-style-type: none"> - Based on Habitats 	April 6 classes/ week

		<ul style="list-style-type: none"> - Based on Legs - Based on Laying Eggs 	
		Protecting the Environment <ul style="list-style-type: none"> ● Land Pollution ● Air Pollution ● Water Pollution & Waste Pollution ● Environmental Conservation - Measures & Practices 	May 6 classes/week (1 May – summer break)
		<u>Unit 4 (Building Electrical Circuits)</u> Electricity Conductors and Insulators Using Metals and Plastics in Circuits Changing Circuits Circuit Breakers Using Circuits Diagrams Types of Circuits Measuring Voltage	July 6 classes/week
		<u>Unit 3 (The Way We See Things)</u> Sight Brain Relation with Sight Reflection Uses of Reflection Mirror and Direction of Light Ray's Refraction Opaque, Translucent and Transparent Objects <ul style="list-style-type: none"> ● Recap 	Aug -Sep 6 classes/week
		<u>Unit 3 (The Way We See Things)</u> Shadows Shadow Games Light Intensity Scientific Methods to Measure Light Intensity	Oct 6 classes/week
		<u>Unit 2 (Organs and Systems)</u> Major Organs Formation of Organism What Do Our Major Organs Do? <ul style="list-style-type: none"> ● Lungs ● Heart ● Brain ● Stomach ● Intestines ● Kidney Breathing Human Circulatory System	Nov- Dec 6 classes/week

		<p>Human Heart Digestive System Transportation and Urinary System Brain and Nervous System Infections Diseases and Preventing Healthy Diet Healthy Life Choices</p>	
		<p><u>Unit 5 (Adaptation and Inherited Characteristics)</u> The Fossil Record Changes Overtime Offspring Inherit Characteristics Variation in Living Things Adapting to Environment Survival and Change</p> <ul style="list-style-type: none"> Recap 	<p>Jan-Feb 6 classes/week</p>
4.	<p>Astronomy <i>Ms. Vatsal Singh &</i> <i>Ms. Prerna Chauhan</i></p>	<p><u>Unit 1: Introduction to Astronomy Lab</u> VR box Biopic Posters Fun Facts AR Mars Globe</p>	<p>April – Summer Break 1 class/ week</p>
		<p><u>Unit 2: Light</u> Solar System</p>	
		<p><u>Unit 2: Light</u> All Exhibits Related to Earth and Solar System Day and Night Ray Optic Kit Newton Color Disc</p>	<p>July 1 class/week</p>
		<p><u>Unit 3: Minerals and Types of Rocks</u> Rock, Matter and Mineral Set Mars Surface and Moon Surface</p>	<p>Aug 1 class/ week</p>
		<p><u>Unit 4: Digestive System</u> Digestive System Model</p>	
		<p><u>Unit 5: Matter and its properties</u> Matter States of Matter</p>	<p>Sep-Oct 1 class/ week</p>

		Properties of matter	
		<u>Unit 6: Force and Energy</u> _Maxwell's Wheel Energy Conversion kit Activities Demonstrating Force	
		<u>Unit 7 : Simple Machines and Levers</u> Simple Machine Types of Simple Machine Types of Pulley Inclined Plane Lever (First Class, Second Class , Third Class) Parts of a Lever	Nov 1 class/ week
		<u>Unit 8: Weather and Climate</u> Earth Globe Demonstrating Rain Gauge	Dec 1 class/week
		<u>Unit 9: Star Constellation and Celestial Bodies</u> We are Made of Stars Zodiac Constellations Star Globe	Jan - Feb 1 class/week
5.	Hindi <i>Ms. Rashmi</i>	भाषा, वर्ण विचार, संज्ञा, सर्वनाम, विशेषण, पर्यायवाची, लिंग बदलो, वचन, क्रिया, अनुस्वार, अनुनासिक अनुच्छेद लेखन अपठित गद्यांश पत्र लेखन (अनौपचारिक)	April – Summer Break 3 class/ week
		कहानी पठन, कहानी सुनना, रिश्तों के नाम, कि की में अंतर, अपठित गद्यांश, लघु कथा लेखन, सर्वनाम, श्रुतलेख, सुलेख	July 3 classes/ week
		कविता पठन व व्याख्या, कविता वाचन, त्योहारों के नाम, त्योहार संबंधी अनुच्छेद, विशेषण, श्रुतलेख, सुलेख, भारतीय राज्यों व केंद्र शासित प्रदेशों के नाम	Aug 3 classes/week
		अपठित गद्यांश, शिक्षक दिवस लेख, हिंदी	Sep

		दिवस (लेख), हिंदी दिवस पर वक्तव्य, हिंदी दिवस संबंधी कविता, विश्व की विभिन्न भाषाओं के नाम	3 classes/week
		विभिन्न भारतीय दिवसों के नाम, दिवाली त्योहार संबंधी कहानी व कविता पठन, पर्यायवाची शब्द अपठित गद्यांश	Oct 3 classes/ week
		शरीर के अंगों के नाम, भारत के प्रधानमंत्रियों के नाम, त्योहार संबंधी अनुच्छेद, पत्र का पठन तथा संबंधित प्रश्नोत्तर, लिंग	Nov 3 classes/ week
		विभिन्न खेलों के नाम, खेल संबंधी लेख - पठन, अपठित गद्यांश, खेल संबंधी संवाद, क्रिया, वचन, संवाद लेखन	Dec 3 classes/week
		एकांकी का अर्थ, अंधेर नगरी चौपट राजा पठन, अनुस्वार, अनुनासिक, कारक, चित्र वर्णन	Jan 3 classes/week
		वैज्ञानिकों के नाम, जीवनी पठन, वैज्ञानिक दिवस पर अनुच्छेद, किसी एक वैज्ञानिक के विषय में बताते हुए मित्र को पत्र	Feb 3 classes /week
6.	German <i>Ms. Kirtika</i>	Alphabets basic greetings Basic conversation To say name Zahlen = 1 to 20	April 3 class/ week
		Time Body Parts Colors 10-12	May 3 classes/week
		Fruits -10 I Eat ... Veggies Animals	July 3 classes/week
		Revision for mid term My Classroom 10-15 Objects Das ist..	Aug -Sep 3 classes/week
		My Favourite Items (food/ game/ etc) 10-12 objects	Oct 3 classes/week

		Verb - Lieben	
		Places Around Me (hospital/school...) 10 Places Verb - Gehen	Nov 3 classes/week
		Revision of the Above Topics Pronouns - he / she/ it 5-7 Adjectives	Dec 3 classes/week
		Things You Wear (Jacket/Gloves/ Shirt/ Jeans .. etc) 10-12 Things Verb Haben	Jan 3 classes/week
		Exam Preparation	Feb 3 classes/week
7.	French <i>Ms. Khushboo</i>	Greetings (Basic Conversation) Alphabets Numbers 1-20	April 3 classes/ week
		Time Body Parts 10 Colours	May 3 classes/week
		Fruits -10 I Eat ... Veggies Animals	July 3 classes/ week
		Revision for mid term My Classroom 10-15 Objects C'est un, une, des	Aug -Sep 3 classes/ week
		Classroom Objects (10)	October 3 classes/week
		E'tre verb (to be)	November 3 classes/week
		Season	Dec 3 classes/week

		Revision	Jan 3 classes/week
8.	Spanish Ms. Kashish Yadav	Abecedario	April 3 classes/week
		Virtual Tour	May 3 classes/week
		Los saludos y Las despedidas (Salutations and Goodbyes) Basic Conversation	July 3 classes/week
		Los números del 0-30 (Numbers 0-30) los lugares (places)	Aug 3 classes/week
		Las letras y sonidos (letters and sounds) El Género (gender)	Sep 3 classes/week
		Las nacionalidades (Nationalities) Las frutas (fruit names)	Oct 3 classes /week
		Las profesiones (Professions) Mi presentación (Introduction)	Nov 3 classes/week
		Los pronombres personales (Subject pronouns)	Dec 3 classes/week
		verbo ser , tener (to be , to have)	Jan 3 classes/week
		Exam Preparation	Feb 3 classes/ week
9.	ICT Ms. Vatsal Singh & Ms. Prerna Chauhan	<u>Unit 1: Robots</u> What is Robots Types of Robots Uses of Robots How Robots work Control System Living with Robots Robots in the future	April – Summer Break 3 classes/ week
		<u>Unit 2: Digital Literacy:</u> Be a Respectful Computer user The Parts of a Web Page Create a Web Page	July 3 classes/week

		<p>Add Image to your Web Page</p> <p>Add a New Web Page</p> <p>Check your Web Page</p>	
		<p><u>Unit 5: Multimedia: Our School Survey</u></p> <p>Plan a Survey</p> <p>Prepare and Carry Out a Survey</p> <p>Analyse your Data</p> <p>Create your Presentation</p> <p>Improve your Presentation</p> <p>Deliver your Presentation</p> <ul style="list-style-type: none"> ● Recap 	<p>Aug-Sep</p> <p>3 classes/week</p>
		<p><u>Unit 3: Computational Thinking: Algorithms and Programs</u></p> <p>A Simple Plan</p> <p>Extend the Simple Plan</p> <p>Check for Errors</p> <p>Reuse and Repurpose</p> <p>Turn an Algorithm into a Program</p> <p>Combine and Upgrade Program</p>	<p>Oct-Nov</p>
		<p><u>Programming: The Frog Maze</u></p> <p>Frog Movement</p> <p>Snake Danger</p> <p>Birthday Celebration</p> <p>Movement Module</p> <p>Using the New Module</p> <p>Adding the Maze</p>	<p>Dec-Jan</p> <p>3 classes/week</p>
		<p><u>Numbers and Data: Amir's Parcels</u></p> <p>Build a Spreadsheet Data Table</p> <p>Sort and Filter</p> <p>Use Validation to Check your Data</p> <p>Use Data Lists</p> <p>Calculations</p> <p>Use a Logical Test</p> <ul style="list-style-type: none"> ● Recap 	<p>Jan-Feb</p> <p>3 classes/ week</p>

10.	Creative Writing <i>Ms. Prerna Chauhan</i>	Cursive Writing <ul style="list-style-type: none"> • Smaller Case • Upper Case • Framing sentences using cursive writing Diary Writing Basic Elements of Fiction and Techniques for Generating Ideas	April – Summer Break 1 class/ week
		<ul style="list-style-type: none"> • Point of View • Plot Development • Theme • Dialogue Writing 	July - Aug 1 class/week
		<ul style="list-style-type: none"> • Dialogue Writing • Character Development • Picture Composition and prompts • Practising Cursive Writing 	Sep- Oct 1 class/week
		<ul style="list-style-type: none"> • Report Writing • Speech Writing • Narrative Writing • Travel Writing 	Nov- Dec 1 class/ week
		<ul style="list-style-type: none"> • Play/ Script Writing • Poetry (2 stanza) • Review Writing • Writing Exercises 	Jan - Feb
		Integration and practising of cursive writing through all the creative writing topics	
11.	Global Perspectives <i>Ms. Vatsal Singh</i>	Unit 1: Littering – A Rising Concern Litter Types of Litter Causes Impact on the Environment Preventions Social Responsibility	April – Summer Break 3 class/ week
		Unit 2: Cultural Perspectives <ul style="list-style-type: none"> • Introduction to Culture • Culture at Local Level 	April - July 3 classes/ week

		<ul style="list-style-type: none"> • Culture at National Level • Culture at Global Level • Cultural Differences at Various Levels 	
		<p>Unit 3: Moving to a new country</p> <p>Understanding the Steps Involved in Immigrating to a New Country. Exploring Different Types of Visas and Residency Permits. Learning about Immigration Policies and Regulations. Coping with Culture Shock and Homesickness. Adapting to New Customs, Traditions, and Social Norms. Understanding and Respecting Cultural Differences. Overcoming Language Barriers and Learning a New Language.</p> <ul style="list-style-type: none"> • Recap 	<p>July - Sep 3 classes/ week</p>
		<p>Unit 4: Obeying the law</p> <ul style="list-style-type: none"> • Understanding Laws and Regulations: Learning about Different Laws and Regulations at Local, National, and International levels. Exploring Specific Laws Related to Safety, Traffic, Property, and Commerce. Understanding the Consequences of Breaking Laws. • Rights and Responsibilities: Exploring Citizens' Rights and Responsibilities in a Democratic Society. Understanding the Importance of Respecting the Rights of Others. Learning about the Role of Law Enforcement Agencies and the Justice System. • Legal Consequences: Understanding the Legal Consequences of Criminal and Civil Offences. 	<p>Sep- Nov 3 classes/week</p>

		<p>Unit 5: Working with other countries</p> <ul style="list-style-type: none"> ● Diplomacy and International Relations: <p>Understanding the Principles of Diplomacy and Negotiation.</p> <p>Exploring the Role of Diplomats, Ambassadors, and International Organisations.</p> <p>Learning about Treaties, Alliances, and International Agreements.</p> <ul style="list-style-type: none"> ● Cultural Exchange and Collaboration: <p>Promoting Cultural Exchange and Understanding Between Countries.</p> <p>Exploring Opportunities for International Collaboration in Areas Such As Education, Science, and Technology.</p> <p>Participating in Exchange Programs and Cultural Initiatives.</p> <ul style="list-style-type: none"> ● Global Challenges and Cooperation: <p>Addressing Global Challenges such as Climate Change, Poverty, and Pandemics Through International Cooperation.</p> <p>Learning About Global Initiatives and Organisations Aimed at Addressing These Challenges.</p> <p>Exploring the Role of Diplomacy and Collaboration in Resolving Conflicts and Promoting Peace.</p> <ul style="list-style-type: none"> ● Recap 	<p>Nov- Feb 3 classes/week</p>
12.	<p>Visual Arts Ms. Alpee Kaumar</p>	<ul style="list-style-type: none"> ● Elements of Art- Colour Theory : <p>Primary colour wheel</p> <p>Secondary colour wheel</p> <p>Tertiary colour wheel</p> <p>Line Art (Using Different types of lines)</p> <ul style="list-style-type: none"> ● Different Creative Clay Sculpture 	<p>April-May 3 classes/week</p>

		<ul style="list-style-type: none"> • Shapes and form <p>2-D and 3-D shapes</p> <p>Creative Doll Making</p> <ul style="list-style-type: none"> • Illusion Art • Perspective Drawing- • (pencil shading) <p>1 point Perspective</p> <p>2 point Perspective</p> <p>3 point Perspective</p> <ul style="list-style-type: none"> • Different Creative Clay Sculpture 	<p>May-July 3 classes/week</p>
		<ul style="list-style-type: none"> • Coffee Art creating different shades • Simple Human Face Study (Male & Female) • Different Clay Sculpture 	<p>July 3 classes/ week</p>
		<ul style="list-style-type: none"> • Monochrome paintings • tints and tones shade study • Independence Day Craft Activity • Different Clay Sculpture 	<p>Aug 3 classes/week</p>
		<ul style="list-style-type: none"> • Market Scene • Nature Landscapes • Animal /zoo Compositions • Still Life Compositions 	<p>Sep 3 classes /week</p>
		<ul style="list-style-type: none"> • Learning different textures • Diwali Craft Activity 	<p>Oct 3 classes/week</p>
		<ul style="list-style-type: none"> • Best out of waste (3-D installation) • Christmas Day Craft Activities 	<p>Nov-Dec 3 classes/week</p>
		<ul style="list-style-type: none"> • Recap and Human Face Study (In Different Proportion) • Free hand drawing (Rapid Sketches) • Republic Day Craft Activities 	<p>Jan-Feb 3 classes/week</p>