

Kothari international School, Noida
Cambridge Lower Secondary Grade LS 2 (Grade 7)
Annual Curriculum Overview for the Session 2024-2025

SUBJECT - ENGLISH

<u>TOPIC/UNIT</u>	<u>CONTENT</u>
UNIT 1: Nature and humans	<ul style="list-style-type: none"> ● Writing: Audio Drama ● Imaginative Accounts ● Language Focus : Verbs ● Figures of Speech: Enjambment/End-stopping/ Caesura
Unit 2 : Grandmother’s Song	<ul style="list-style-type: none"> ● Writing : Analysing Structure and theme ● Dialogue writing ● Language Focus : Figurative Language ● Reporting Verbs
Unit 3: Strange Islands	<ul style="list-style-type: none"> ● Writing: Dialogue writing ● Monologue Writing ● Language Focus: Punctuation for effect ● Strategies for spelling unfamiliar words
Unit 4: This is the modern world	<ul style="list-style-type: none"> ● Writing: Article for an older audience ● Persuasive Speech ● Language Focus: Placement for sentence types ● Choice of synonyms
Unit 5 : Heroes	<ul style="list-style-type: none"> ● Writing: Counter- argument writing ● Blog writing ● Film script ● Language Focus: Conjunctions ● Imperative And Modal Verbs

Unit 6 : Monsters	<ul style="list-style-type: none"> ● Writing: Leaflet Designing ● Fable Writing ● Language Focus: Extended Metaphors
Unit 7 : The Plantation	<ul style="list-style-type: none"> ● Writing: Diary entry ● Character's personal account writing ● Report writing ● Language Focus: Adjectives ● Active and Passive Voice
Unit 8 : Choices and Decisions	<ul style="list-style-type: none"> ● Writing: Drama Scene Writing ● Poem Writing ● Language Focus: Adverbs ● Prepositional Phrases ● Reported Speech

SUBJECT - LANGUAGE ACQUISITION: FRENCH

<u>TOPIC/UNIT</u>	<u>CONTENT</u>
Unit 8: Une journée scolaire	<ul style="list-style-type: none"> ● Recap of ER verbs ● Introduction to IR verbs ● Negation ● Reflexive verbs ● Daily routine
Unit 9: C'est bon Ca!	<ul style="list-style-type: none"> ● Manger verb recap ● Talk about foods and drinks ● Talk about meals ● Prendre & boire verb ● Partitive articles ● Talk about food preferences
Unit 10: Amuse-toi bien !	<ul style="list-style-type: none"> ● Talk about leisure activities ● Household activities ● Faire verb

	<ul style="list-style-type: none"> • Jouer verb (sports and musical instruments)
Revision	<ul style="list-style-type: none"> • Revision of all topics
Unit 4: En Ville	<ul style="list-style-type: none"> • Identify French shops and what they sell • Faire des courses • Talk about money and prices • Verbs like Acheter, Preferer, vendre, Choisir
Unit 5: On fait des projets	<ul style="list-style-type: none"> • Countries and cities with preposition • Transport • Futur Proche • Verbs like Venir, pouvoir • Postcard Writing
Unit 6 : Au collège	<p>My school</p> <ul style="list-style-type: none"> • Giving opinions about school life, subject, uniform • Verbs- Apprendre, lire, écrire, comprendre, dire • Vouloir verb- expressing wishes

SUBJECT - GLOBAL PERSPECTIVES

<u>TOPIC/UNIT</u>	<u>SKILL DEVELOPMENT</u>
UNIT-1 What makes us human?	<ul style="list-style-type: none"> • Research: Getting started and choosing a research question; • Collaboration: Working as a team • Analysis: Recognising arguments and checking the evidence • Communication- Debating the answer
UNIT-2 Water Crisis	<ul style="list-style-type: none"> • Research: Choosing your agenda, choosing your sources and summarising your findings

	<ul style="list-style-type: none"> ● Collaboration: Working as a team ● Communication: Sharing your work powerfully
UNIT-3 Beliefs about food	<ul style="list-style-type: none"> ● Research: finding numbers, asking why and thinking about whom to ask ● Analysis: Making connections ● Collaboration: Sharing Tasks
UNIT-4 Looking at the future	<ul style="list-style-type: none"> ● Evaluation: what is the aim of an outcome ● Reflection: expansion of critical thinking ● Research ● Communication and synthesising
UNIT-5 Sustainability	<ul style="list-style-type: none"> ● Collaboration ● Communication ● Research ● Evaluation
UNIT-6 Employment	<ul style="list-style-type: none"> ● Collaboration: teamwork challenges ● Research: work and wages and forced labour ● Analysis: unpaid work ● Analysis and Evaluation: Your Personal goals

SUBJECT - MATHEMATICS

<u>TOPIC/UNIT</u>	<u>CONTENT</u>
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<u>UNIT-1</u> INTEGERS	<ul style="list-style-type: none"> ● Operations on integers ● Factors, multiples & primes ● Square roots & cube roots ● Indices
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<p>PLACE VALUE & ROUNDING</p> <p>DECIMALS</p> <p>FRACTIONS</p> <p>PERCENTAGES</p> <p>RATIO & PROPORTION</p>	<ul style="list-style-type: none"> ● Multiplying and dividing by 0.1 & 0.01 ● Rounding ● Ordering decimals ● Operations on decimals ● Ordering fractions ● Operations on fractions ● Percentage increase & decrease ● Using multiplier ● Simplifying ratios ● Sharing in a ratio ● Direct proportion
<p><u>UNIT-2</u></p> <p>EXPRESSIONS, FORMULAE & EQUATIONS</p>	<ul style="list-style-type: none"> ● Constructing Expressions ● Using expressions & formulae ● Expanding brackets ● Factorising ● Equations & inequalities
<p><u>UNIT-3</u></p> <p>ANGLES</p> <p>SHAPES & SYMMETRY</p> <p>SHAPES. AREA & VOLUME</p>	<ul style="list-style-type: none"> ● Parallel lines ● Exterior angle of a triangle ● construction ● Quadrilaterals & polygons ● Circumference of a circle ● 3D shapes ● Converting between miles & KM ● The area of a parallelogram & trapezium ● Calculating the volume of triangular prisms

	<ul style="list-style-type: none"> ● Calculating the surface area of triangular prisms & pyramid
<u>UNIT-4</u> PROBABILITY	<ul style="list-style-type: none"> ● Calculating probabilities ● Experimental and theoretical probabilities
<u>UNIT-5</u> SEQUENCES & FUNCTIONS GRAPHS	<ul style="list-style-type: none"> ● Generating sequences ● Using the nth term ● Representing simple functions ● Functions ● Plotting graphs ● Gradient & intercept ● Interpreting graphs
<u>UNIT-6</u> POSITION & TRANSFORMATION	<ul style="list-style-type: none"> ● Bearings ● Midpoint of a line segment ● Translating 2D shapes ● Reflecting shapes ● Rotating shapes ● Enlarging shapes
<u>UNIT-7</u> COLLECTING DATA INTERPRETING RESULTS	<ul style="list-style-type: none"> ● Types of Data ● Interpreting & drawing frequency diagrams ● Time series graphs ● Stem-and-leaf diagrams ● Pie charts ● Using statistics

SUBJECT - SCIENCE

<u>TOPIC/UNIT</u>	<u>CONTENT</u>
1. Properties of matter	<ul style="list-style-type: none"> ● Dissolving ● Solutions and solubility ● Planning a solubility Investigation ● Paper chromatography
2. Forces and Energy	<ul style="list-style-type: none"> ● Forces and motion ● Speed ● Describe movement ● Turning forces ● Pressure between solids ● Pressure in liquids and gases ● Particles on the move
3. Respiration 4. Diet and Growth	<ul style="list-style-type: none"> ● The human respiratory system ● Gas Exchange ● Breathing ● Respiration ● Blood ● Nutrients ● A balanced diet ● Growth, development and health ● Moving the body
5. Materials and Cycles	<ul style="list-style-type: none"> ● The structure of the atom ● Purity ● Weather and climate ● Climate and ice gas ● Atmosphere and climate
6. Ecosystem 7. Magnetism	<ul style="list-style-type: none"> ● The Sonoran Dessert ● Different ecosystems ● Intruders in an ecosystem ● Bioaccumulation ● Magnetic fields ● The Earth as a giant magnet ● Electromagnets ● Investigating electromagnets
8. Light	<ul style="list-style-type: none"> ● Reflection ● Refraction ● Making rainbows

	<ul style="list-style-type: none"> ● Colours of light ● Galaxies ● Rocks in space
9. Chemical Reactions	<ul style="list-style-type: none"> ● Exothermic Reactions ● Endothermic Reactions ● Reactions of metals with oxygen ● Reactions of metal with water ● Reactions of metals with dilute acids

SUBJECT - ICT

<u>TOPIC/UNIT</u>	<u>CONTENT</u>
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MS Excel	<ul style="list-style-type: none"> ● Excel Basics ● Charts ● Vlookup, Hlookup
Types and components of a computer system	<ul style="list-style-type: none"> ● Hardware and Software IPO cycle ● Design of a Computer System ● Memory Unit
Makecode Arcade	<ul style="list-style-type: none"> ● Nested Conditional statement ● Sequencing with block coding ● Loops: For Loop, while loop, Nested ● loop ● Projects
The nature of technology: understanding networks	<ul style="list-style-type: none"> ● Network Hardware ● How A Network Fits Together ● Sending Messages Over The Internet ● Connecting To A Network ● In The Cloud
HTML Forms	<ul style="list-style-type: none"> ● Radio buttons

Python

- Checkbox
- Submit button
- Input statements
- Text fields

- Introduction to Python • Python basic codes
- Keyword, identifier, Variables
- Data Types
- Print and input command
- Python Operators
- If statements
- For loop,while loop • Break Statement
- Continue Statement • String functions

Computer Viruses

- Introduction
- Symptoms
- How viruses are spread • Types of Computer Virus
- Anti-virus Software • Ways to prevent spread of viruses

Computer Hardware Internal & External

- Introduction
- Computer Hardware • External Hardware Devices
- Internal Hardware Devices

Presentations

- Create a presentation • Use a master slide
- Edit a presentation • Output a presentation

Digital Literacy: Computers and learning	<ul style="list-style-type: none"> ● Using computers for learning ● Using computers for discovery ● What is e-learning ● Starting your e-learning project ● Create an e-learning slide Add a test question
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SUBJECT - ART AND DESIGN

<u>TOPIC/UNIT</u>	<u>CONTENT</u>
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<p>Elements of Art</p> <p>Principal of Design</p>	<ul style="list-style-type: none"> ● Introducing the basic building blocks of visual art, including line, shape, form, color, texture, space, and value. ● Explaining fundamental principles that govern the organization of visual elements in art, such as balance, contrast, emphasis, movement, pattern, rhythm, and unity.
<p>Drawing Fundamentals</p> <p>Understanding One point Prospective</p> <p>Two point Prospective</p> <p>Three point Prospective</p>	<ul style="list-style-type: none"> ● Teaching foundational drawing skills, including observation, contour drawing, gesture drawing and basic perspective. ● Explain that one-point perspective is a drawing technique used to create the illusion of depth and space on a two-dimensional surface. ● Introduce two-point perspective as a method for drawing objects that recede into the distance while maintaining their width and height.

<p>Colour Theory</p>	<ul style="list-style-type: none"> ● Introducing concepts such as the colour wheel, primary, secondary, and tertiary colours, colour harmony, value, saturation, and temperature.
<p>Understanding Compositions</p> <p>Basics Painting Techniques</p>	<ul style="list-style-type: none"> ● Understanding Composition: Explaining how to arrange elements within a picture plane to create visually pleasing compositions, including concepts like focal point, rule of thirds, and framing ● Basic Painting Techniques: Introducing students to various painting techniques using watercolours, acrylics, or tempera, including colour mixing, blending, layering, and brushwork.: Explaining how to arrange elements within a picture plane to create visually pleasing compositions, including concepts like focal point, rule of thirds, and framing.
<p>Introduction to Sculpture</p>	<ul style="list-style-type: none"> ● Introduction to Sculpture: Exploring three dimensional art forms through basic sculpting techniques using clay, paper mache, or found objects.
<p>Art Materials and Tools</p>	<ul style="list-style-type: none"> ● Art Materials and Tools: Familiarising students with a range of art materials and tools, including pencils, erasers, brushes, paints, clay, carving tools, and safety precautions when using them. Art History Overview: Providing a broad overview of art history,

	highlighting key movements, styles, and artists from different cultures and time periods
Art and Nature: Encouraging	<ul style="list-style-type: none"> ● Encouraging students to observe and draw inspiration from the natural world, including plants, animals, landscapes, and natural textures.

SUBJECT - WELL BEING

<u>TOPIC/UNIT</u>	<u>CONTENT</u>
Introduction to Wellbeing	<ul style="list-style-type: none"> ● Introduction ● Aspects of wellbeing
Understanding myself	<ul style="list-style-type: none"> ● Identifying emotions ● Managing emotions
Understanding myself	<ul style="list-style-type: none"> ● Healthy habits ● Importance of healthy hab
My relationships	<ul style="list-style-type: none"> ● Introduction to Healthy relationships ● Traits of Healthy relationships
Navigating my world	<ul style="list-style-type: none"> ● Introduction to Personal safety ● Significance of Netiquette
Navigating my world	<ul style="list-style-type: none"> ● Coping with healthy vs. unhealthy changes in life ● Impact of healthy vs. unhealthy

	<p>changes in life</p> <ul style="list-style-type: none">● Making a difference by creating a sustainable environment● Significance of protecting the environment
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***If any subject is not listed, we will provide the information for it by next week.**