



L.K. INTERNATIONAL SCHOOL
SYLLABUS 2026-27
CLASS - XII (Science)

ENGLISH

Books	May Unit Test	August Unit Test	Half Yearly Examination (September)	Pre Board I (November)	Pre Board II (December)
Flamingo	Ch - The Last Lesson Poem - My Mother At Sixty Six	Ch - Lost Spring Ch - Deep Water Ch - The Rattrap Poem - Keeping Quit + (UT-1 Syllabus)	Ch - Indigo Ch - Poets and Pancakes Poem - A Thing of Beauty Poem - A Roadside Stand + (UT-1 + UT-2 Syllabus)	Ch - The Interview Ch - Going Places Poem - Aunt Jennifer's Tiger + (UT-1 +UT-2 + H.Y. Syllabus)	Complete Syllabus as per CBSE
Vistas	Ch - The Third Level Ch - The Tiger King	Ch - The Enemy + (UT-1 Syllabus)	Ch - Journey to the End of the Earth + (UT-1 + UT-2 Syllabus)	Ch - On The Face of It Ch - Memories of Childhood <ul style="list-style-type: none"> • The Cutting of My Long Hairs • We too are Human Beings + (UT-1 +UT-2 + H.Y. Syllabus) 	Complete Syllabus as per CBSE
Creative Writing Skills	<ul style="list-style-type: none"> • Notice • Application for a Job with bio data or resume 	<ul style="list-style-type: none"> • Formal Invitation and Reply • Article Writing 	<ul style="list-style-type: none"> • Informal Invitation and Reply • Report Writing + (UT-1 + UT-2 Syllabus) 	Letter to the Editor (giving suggestions or opinion on issues of public interest) + (UT-1 +UT-2 + H.Y. Syllabus)	Complete Syllabus as per CBSE
Reading Skills	Comprehension Passage (Factual, Descriptive or Literary)	Case Based Factual Passage (based on verbal/ visual inputs- statistical data, charts etc.)	<ul style="list-style-type: none"> • Comprehension Passage(Factual, Descriptive or Literary) • Case Based Factual Passage (based on verbal/visual inputs- 	<ul style="list-style-type: none"> • Comprehension Passage (Factual, Descriptive or Literary) • Case Based Factual Passage (based on verbal/ visual inputs- 	Complete Syllabus as per CBSE

			statistical data, charts etc.)	statistical data, charts etc.)	
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PHYSICS

Book	May Unit Test	August Unit Test	Half Yearly Examination (September)	Pre Board I (November)	Pre Board II (December)
NCERT	Ch-1 Electric Charges and Field Ch-2 Electrostatic Potential and Capacitance Ch-3 Current Electricity	Ch-4 Moving Charges and Magnetism Ch-5 Magnetism and Matter Ch-6 Electromagnetic Induction + (UT-1 Syllabus)	Ch-7 Alternating Current Ch-8 Electromagnetic Waves Ch-9 Ray Optics and Optical Instruments Ch-10 Wave optics + (UT-1 + UT-2 Syllabus)	Ch-11 Dual Nature of Radiation and Matter Ch-12 Atoms Ch-13 Nuclei Ch-14 Semiconductor Electronics + (UT-1 +UT-2 + H.Y. Syllabus)	Complete Syllabus as per CBSE
Practicals	Experiment 1: To determine resistivity of two wires by plotting a graph V -I Experiment 2: To find resistance of a standard resistor using meter bridge . Experiment 3: To verify the laws of combination (series and parallel) of resistance using a metre bridge.	Experiment 4: To determine resistance of a galvanometer by half-deflection method and to find its figure of merit . Experiment 5: To convert the given galvanometer into a voltmeter of desired range (0-3 V) and to verify the same. Experiment 6: To find the value of v for different values of u in case of a concave mirror and to find the focal length.	(UT-1+ UT-2 Syllabus)	Experiment 7: To find the focal length of a convex lens by plotting graphs between u and v or between 1/u and 1/v . Experiment 8: To determine angle of minimum deviation for a given prism by plotting a graph between angle of incidence and angle of deviation . Experiment 9: To find the refractive index of a liquid using convex lens and plane mirror . Experiment 10: To draw the I-V characteristic curve for a p-n junction diode in forward and reverse bias .	Complete Syllabus as per CBSE

CHEMISTRY

Book	May Unit Test	August Unit Test	Half Yearly Examination (September)	Pre Board I (November)	Pre Board II (December)
NCERT	Ch-1 Solutions Ch-2 Electrochemistry	Ch-3 Chemical Kinetics Ch-4 The d & f block elements + (UT-1 Syllabus)	Ch-5 Coordination Compounds Ch-6 Haloalkanes & Haloarenes Ch-7 Alcohols, Phenols & Ethers + (UT-1 + UT-2 Syllabus)	Ch-8 Aldehydes, Ketones & Carboxylic Acids Ch-9 Amines Ch-10 Biomolecules + (UT-1 + UT-2 + H.Y. Syllabus)	Complete Syllabus as per CBSE
Practicals	<p>Experiment 1: To analyse the given inorganic mixture containing acidic & basic radicals.</p> <p>Experiment 2: To prepare a sample of colloidal solution of Starch.</p>	<p>Experiment 3: To prepare a sample of hydrated ferric oxide solution.</p> <p>Experiment 4: To separate pigments from extracts of leaves and flowers by paper chromatography and to determine Rf values.</p> <p>Experiment 5: To identify the presence of carbohydrates in the given sample.</p> <p>Experiment 6: To identify the presence of fats and proteins in the given sample.</p>	<p>Experiment 7: To prepare crystal of Potash alum.</p> <p>Experiment 8: To prepare crystal of potassium ferric oxalate.</p> <p>Experiment 9: To identify the functional groups present in the given organic compound.</p>	<p>Experiment 10: To prepare 250ml of M/10 solution of Oxalic acid from crystalline Oxalic acid.</p> <p>Experiment 11: To prepare 250ml of M/10 solution of Oxalic acid with the help of the solution. Find out the molarity & strength of given KMnO_4 Solution.</p> <p>Experiment 12: Prepare M/20 Solution of Ferrous ammonium sulphate [Mohr's salt] using this solution find the molarity & strength of given KMnO_4 Solution.</p>	Complete Syllabus as per CBSE

MATHEMATICS

Book	May Unit Test	August Unit Test	Half Yearly Examination (September)	Pre Board I (November)	Pre Board II (December)
NCERT + My Assignments	Ch-2 Inverse Trigonometric Functions Ch-3 Matrices Ch-12 Linear Programming	Ch-1 Relations and Functions Ch-4 Determinants Ch-5 Continuity and Differentiability + (UT-1 Syllabus)	Ch-6 Applications of derivatives Ch-10 Vectors Ch-11 Three-Dimensional Geometry + (UT-1 + UT-2 Syllabus)	Ch-7 Integrals Ch-8 Application of the Integrals Ch-9 Differential Equations Ch-13 Probability + (UT-1 +UT-2 + H.Y. Syllabus)	Complete Syllabus as per CBSE

BIOLOGY

Books	May Unit Test	August Unit Test	Half Yearly Examination (September)	Pre Board I (November)	Pre Board II (December)
NCERT	Ch-1 Sexual Reproduction in Flowering Plants Ch-2 Human Reproduction CH-3 Reproductive Health	Ch-4 Principles of Inheritance and Variation Ch-5 Molecular basis of Inheritance Ch-6 Evolution Ch-7 Human Health and Diseases + (UT-1 Syllabus)	Ch-8 Microbes in Human Welfare Ch-9 Biotechnology – Principles and Processes Ch-10 Biotechnology and its Applications Ch-11 Organisms and Populations + (UT-1 + UT-2 Syllabus)	Ch-12 Ecosystem Ch-13 Biodiversity and its Conservation + (UT-1 +UT-2 + H.Y. Syllabus)	Complete Syllabus as per CBSE
Practicals	Experiment 1: Prepare a temporary mount to observe pollen germination.	Experiment 3: Prepare a temporary mount of onion root tip to study mitosis.	Experiment 7: Meiosis in onion bud cell or grasshopper testis through permanent slides.	Experiment 11: Controlled pollination - emasculation, tagging and bagging. Experiment 12: Common disease causing organisms	Complete Syllabus as per CBSE

	<p>Experiment 2: Study the plant population density/frequency by quadrat method.</p>	<p>Experiment 4: Isolate DNA from available plant material such as spinach, green pea seeds, papaya, banana etc.</p> <p>Experiment 5: Pollen germination on stigma through a permanent slide or scanning electron micrograph.</p> <p>Experiment 6: Identification of stages of gamete development, i.e., T.S. of testis and T.S. of ovary through permanent slides (from grasshopper/mice).</p>	<p>Experiment 8: T.S. of blastula through permanent slides (Mammalian).</p> <p>Experiment 9: Mendelian inheritance using seeds of different colour/sizes of any plant.</p> <p>Experiment 10: Prepared pedigree charts of any one of the genetic traits such as rolling of tongue, blood groups, ear lobes, widow's peak and colour blindness.</p>	<p>like Ascaris, Entamoeba, Plasmodium, any fungus causing ringworm through permanent slides, models or virtual images or specimens. Comment on symptoms of diseases that they cause.</p> <p>Experiment 13: Models specimens showing symbiotic association in lichens, root nodules of leguminous plants, and parasitic mode of nutrition shown by Cuscuta on host.</p> <p>Experiment 14: Flash cards/models showing examples of homologous and analogous organs.</p>	
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PHYSICAL EDUCATION

Books	May Unit Test	August Unit Test	Half Yearly Examination (September)	Pre Board I (November)	Pre Board II (December)
NCERT	Ch-1 Management of sporting events Ch-2 Children and Women in sports	Ch-3 Yoga as preventive measure for lifestyle disease Ch-4 Physical education and sports for CWSN	Ch -6 Test and Measurement in Sports Ch-7 Physiology and Injuries in sports Ch-8 Biomechanics and sports + (UT-1 + UT-2 Syllabus)	Ch-9 Psychology and Sports Ch-10 Training in Sports + (UT-1 +UT-2 + H.Y. Syllabus)	Complete Syllabus as per CBSE

		Ch-5 Sports and Nutrition + (UT-1 Syllabus)			
Practicals	1. Fitness tests administration. (SAI Khelo India Test).	2. Procedure for Asanas, Benefits & Contraindication for any two Asanas for each lifestyle disease.	3. Anyone one IOA recognized Sport/Game of choice. Labelled diagram of Field & Equipment. Also mention its Rules, Terminologies & Skills.	(UT-1 +UT-2 + H.Y. Syllabus)	Complete Syllabus as per CBSE

COMPUTER SCIENCE

Book	May Unit Test	August Unit Test	Half Yearly Examination (September)	Pre Board I (November)	Pre Board II (December)
Computer Science (Python)	Ch-1 Revision of Python Ch-2 Working with Function Ch-3 Exception Handling	Ch-4 Data File Handling Ch-5 Data Structure + (UT-1 Syllabus)	Ch-6 Computer Networks + (UT-1 + UT-2 Syllabus)	Ch-7 Database Management + (UT-1 +UT-2 + H.Y. Syllabus)	Complete Syllabus as per CBSE

HOME SCIENCE

Books	May Unit Test	August Unit Test	Half Yearly Examination (September)	Pre Board I (November)	Pre Board II (December)
Home Science	Ch-1 Work Livelihood and Career Ch-11 Hospitality Management	Ch-2 Clinical Nutrition and Dietetics Ch-12 Consumer Education and Protection Ch-13 Development communication and Journalism + (UT-1 Syllabus)	Ch-3 Public Nutrition and Health Ch-4 Food processing and Technology Ch-5 Food quality and Food safety Ch-6 Early childhood care education Ch-7 Management of support services + (UT-1 + UT-2 Syllabus)	Ch-8 Design for Fabric and Apparel Ch-9 Fashion Design and Merchandising Ch-10 Care and Maintenance of Fabrics Institutions + (UT-1 +UT-2 + H.Y. Syllabus)	Complete Syllabus as per CBSE

FASHION STUDIES

Books	May Unit Test	August Unit Test	Half Yearly Examination (September)	Pre Board I (November)	Pre Board II (December)
Employability Skills	Unit 1 Communication skills Unit 2 Self Management skills	Unit 3 ICT Skills	Unit 1 Unit 2 Unit 3	Unit 4 Entrepreneurial skills Unit 5 Green Skills + (UT-1 +UT-2 Syllabus)	Complete Syllabus as per CBSE
Learning Resource	Unit 1: History of Fashion 1.1 Introduction to History of Fashion 1.2 Origin and Development of Costume 1.3 Industrial Revolution 1.4 Evolution of Modern Indian Fashion 1.5 Films and Fashion	Unit 2: Basic Pattern Development 2.1 Pattern Making 2.2 Measurements 2.3 Tools 2.4 Fit 2.5 Pattern Development- Basic Bodice 2.6 Necklines 2.7 Dart Manipulation 2.8 Skirt 2.9 Collar	Unit 3: Understanding Fashion-Definition & Overview 3.1 Categories of Clothing 3.2 Fashion Capitals 3.3 Introduction to Menswear 3.4 Indian Menswear Fashion Market Today 3.5 Introduction to Womens wear 3.6 Introduction to Childrens wear 3.7 Introduction to Trims + (UT-1 + UT-2 Syllabus)	Unit 4: Basic Garment Construction 4.1 Fibres and Fabrics 4.2 Cutting Preliminaries 4.3 Placket 4.4 Neckline Facings	Complete Syllabus as per CBSE