



INDIAN SCHOOL SALALAH
ACADEMIC YEAR 2026-27
MONTHLY SYLLABUS OF CLASS XI-SCIENCE



	English	Physics	Chemistry	Biology	Mathematics	Computer Science	Informatics Practices	Physical Education	PSYCHOLOGY
April	The Portrait of a Lady, A Photograph, The Summer of the Beautiful White Horse, Note Making	BASIC MATHS UNITS AND MEASUREMENTS, MOTION IN A STRAIGHT LINE	IUPAC CH. SOME BASIC CONCEPTS OF CHEMISTRY CH. STRUCTURE OF ATOM	CHEMICAL COORDINATION AND INTEGRATION NEURAL CONTROL AND COORDINATION LOCOMOTION AND MOVEMENT EXCRETORY PRODUCTS AND THEIR ELIMINATION	Sets	Computer basics include hardware, software, CPU, memory and I/O devices; software types cover system, application and OS functions; problem solving involves algorithm, coding and testing; Python basics include introduction, features and execution modes.	Basic computer organisation (IPO, hardware, software, memory, data representation), Python basics (features, data types, variables, keywords), operators and assignment, revision and conditional statements.	Unit 1 : Changing Trends and Career in Physical Education Unit 2 : Olympic Value Education	Unit I What is Psychology? The topics in this unit are: 1. Introduction 2. What is Psychology? · Psychology as a Discipline · Psychology as a Natural Science · Psychology as a Social Science 3. Understanding Mind and Behaviour 4. Popular Notions about the Discipline of Psychology 5. Evolution of Psychology 6. Development of Psychology in India 7. Branches of Psychology 8. Psychology and Other Disciplines 9. Psychology in Everyday Life
May	We're Not Afraid to Die... if We Can, The Address, The Laburnum Top, Poster, Classified Advertisement	MOTION IN A STRAIGHT LINE MOTION IN A PLANE, LAWS OF MOTION	CH. STRUCTURE OF ATOM CH. CLASSIFICATION OF ELEMENTS AND PERIODICITY IN PROPERTIES	BODY FLUIDS AND CIRCULATION BREATHING AND EXCHANGE OF GASES	Relation and functions, Trigonometric functions	Python basics include character set, tokens (keywords, identifiers, literals, operators, punctuators), variables, l-value & r-value, and comments; data types such as numbers, boolean, string, list, tuple, dictionary, and mutable/immutable types; and operators including arithmetic, relational, logical, assignment, identity, and membership.	Simple programs using conditional statements, loops (for, while), and combined use of loops with conditions.	Unit 2 : Olympic Value Education Unit 3 : Yoga. Unit 4 : Physical Education and Sports for Children with Special Needs 107	Unit II Methods of Enquiry in Psychology The topics in this unit are: 1. Introduction 2. Goals of Psychological Enquiry · Steps in Conducting Scientific Research · Alternative Paradigms of Research 3. Nature of Psychological Data 4. Some Important Methods in Psychology · Observational Method · Experimental Method · Correlational Research · Survey Research · Psychological Testing · Case Study
June	Discovering Tut: The Saga Continues, Reading Comprehension Listening Practice	LAWS OF MOTION	CH REDOX REACTION	PLANT GROWTH AND DEVELOPMENT RESPIRATION IN PLANTS	Trigonometric functions	Expressions and statements include operator precedence and evaluation; type conversion (implicit and explicit), input/output operations, and writing simple Python programs.	Lists basics: creating, initializing, traversing and manipulating lists, continued practice, and summer break.	Unit 5 : Physical Fitness, Health, and Wellness	Unit II Methods of Enquiry in Psychology The topics in this unit are: 5. Analysis of Data · Quantitative Method · Qualitative Method 6. Limitations of Psychological Enquiry 7. Ethical Issues
August	Mother's Day, The Voice of the Rain Speech Grammar Practices, Writing Tasks, Childhood	WORK ENERGY AND POWER SYSTEM OF PARTICLES AND ROTATIONAL MOTION, GRAVITATION	CH CHEMICAL BONDING AND MOLECULAR STRUCTURE CH ORGANIC CHEMISTRY: SOME BASIC PRINCIPLES AND TECHNIQUES	PHOTOSYNTHESIS IN HIGHER PLANTS CELL CYCLE AND CELL DIVISION CELL: THE UNIT OF LIFE	Complex Numbers, Linear Inequality, Permutation and Combination	Flow of control includes indentation, sequential, conditional and iterative statements (if, if-else, loops, break/continue); basic programs like sorting, factorial, patterns; and strings with indexing, operations and traversal.	List functions, dictionary concepts and methods, revision of lists & dictionaries, and basics of data management (RDBMS, relations, keys) with DDL commands (CREATE, DROP).	Unit 5 : Physical Fitness, Health, and Wellness. Unit 6 : Test, Measurement and Evaluation. Unit 7 : Fundamentals of Anatomy and Physiology in Sports	Unit IV Human Development The topics in this unit are: 1. Introduction 2. Meaning of Development · Life-Span Perspective on Development 3. Factors Influencing Development 4. Context of Development 5. Overview of Developmental Stages · Prenatal Stage · Infancy · Childhood · Challenges of Adolescence · Adulthood and Old Age
September	Grammar & Writing Practices, Revision	MECHANICAL PROPERTIES OF SOLIDS, MECHANICAL PROPERTIES OF FLUIDS	REVISION TERM -1 EXAM CH HYDROCARBONS	STRUCTURAL ORGANISM IN ANIMALS-STUDY OF FROG Revision for Term-1	Binomial theorem, Sequence and Series	Built-in string functions like len(), case conversion, searching, checking, stripping, replacing, splitting/joining, along with Term-1 revision.	Term-1 revision and DDL command ALTER (adding/removing primary key and attributes).	Unit 7 : Fundamentals of Anatomy and Physiology in Sports . Unit 8 : Fundamentals of Kinesiology and Biomechanics in Sports	Unit V Sensory, Attentional and Perceptual Processes The topics in this unit are: 1. Introduction 2. Knowing the world 3. Nature and varieties of Stimulus 4. Sense Modalities · Functional limitation of sense organs 5. Attentional Processes · Selective Attention · Sustained Attention 6. Perceptual Processes · Processing Approaches in Perception 7. The Perceiver 8. Principles of Perceptual Organisation 9. Perception of Space, Depth and Distance · Monocular Cues and Binocular Cues 10. Perceptual Constancies 11. Illusions 12. Socio-Cultural Influences on Perception

October	The Adventure, Birth, Silk Road, Father to Son, The Tale of Melon City	MECHANICAL PROPERTIES OF FLUIDS, THERMAL PROPERTIES OF MATTER	CH HYDROCARBONS	BIOMOLECULES ANATOMY OF FLOWERING PLANTS	Sequence and Series, Straight Lines, Conics, Three Dimensional Geometry	Lists, tuples and dictionaries include introduction, indexing, operations, traversal, built-in functions; programs like min, max, mean, searching and frequency counting; and concepts like nested structures and mutability (in dictionaries).	DML commands (INSERT, UPDATE, DELETE) and data query using SELECT-FROM with WHERE, LIKE, BETWEEN, IN, NULL/NOT NULL and ORDER BY, along with practice.	Unit 9 : Psychology and Sports. Unit 10 : Training and Doping in Sports	Unit VI Learning The topics in this unit are: 1. Introduction 2. Nature of Learning 3. Paradigms of Learning 4. Classical Conditioning · Determinants of Classical Conditioning 5. Operant/Instrumental Conditioning · Determinants of Operant Conditioning · Key Learning Processes 6. Observational Learning 7. Cognitive Learning 8. Verbal Learning 9. Skill Learning 10. Factors Facilitating Learning 11. Learning Disabilities
November	Debate, Note Making, Reading Comprehension	THERMODYNAMICS KINETIC THEORY	CH EQUILIBRIUM	MORPHOLOGY OF FLOWERING PLANTS ANIMAL KINGDOM	Statistics, Probability	Dictionary functions and programs, Python modules (math, random, statistics), and digital concepts including net etiquette, IPR, cyber safety, malware, e-waste management and IT Act basics.	Emerging technologies like AI, ML, NLP, AR/VR, robotics, big data, IoT, smart cities, cloud computing (SaaS, IaaS, PaaS), grid computing and blockchain.		Unit VII Human Memory The topics in this unit are: 1. Introduction 2. Nature of memory 3. Information Processing Approach : The Stage Model 4. Memory Systems : Sensory, Short-term and Long term Memories 5. Levels of Processing 6. Types of Long-term Memory · Declarative and Procedural; Episodic and Semantic 7. Nature and Causes of Forgetting · Forgetting due to Trace Decay, Interference and Retrieval Failure 8. Enhancing Memory · Mnemonics using Images and Organisation
December	Revision	OSCILLATIONS	CH CHEMICAL THERMODYNAMICS	PLANT KINGDOM BIOLOGICAL CLASSIFICATION	Limit and derivatives	Boolean logic (NOT, AND, OR, etc.), truth tables and laws; number systems and conversions; encoding schemes (ASCII, ISCII, Unicode) and winter break.	Revision		Unit VIII Thinking The topics in this unit are: 1. Introduction 2. Nature of Thinking · Building Blocks of Thought 3. The Processes of Thinking 4. Problem Solving 5. Reasoning 6. Decision-making 7. Nature and Process of Creative Thinking · Nature of Creative Thinking · Process of Creative Thinking 8. Thought and Language 9. Development of Language and Language Use
January	Revision	WAVES	CH CHEMICAL THERMODYNAMICS	THE LIVING WORLD REVISION	Limit and derivatives	Revision	Revision	Revision	Unit IX Motivation and Emotion The topics in this unit are: 1. Introduction 2. Nature of Motivation 3. Types of Motives · Biological Motives · Psychosocial Motives 4. Maslow's Hierarchy of Needs 5. Nature of Emotions 6. Expression of Emotions · Culture and Emotional Expression · Culture and Emotional Labelling 7. Managing Negative Emotions 8. Enhancing Positive Emotions
February	Revision	FINAL EXAM	FINAL EXAM	FINAL EXAM	FINAL EXAM	Revision	Revision	Revision	Revision
March									