

TITIKSHA PUBLIC SCHOOL
SESSION 2018 – 19
SYLLABUS
CLASS IX

ENGLISH

Month	Portion of Syllabus to be Covered	Activity/ Practical/ Project
April	<ul style="list-style-type: none"> • The Fun They Had (B) • The Road Not Taken (B) • The Lost Child (M) • Diary Writing • Tenses • Prepositions • Identification of Types of Sentences (Simple, Compound & Complex) 	Report Writing
May	<ul style="list-style-type: none"> • Wind (B) • The Adventures of Toto (M) • Modals 	Poem Recitation
July	<ul style="list-style-type: none"> • The Sound of Music (B) • Rain on the Roof (B) • The Little Girl (B) • The Lake isle of Innisfree (B) • Ishwaran the Storyteller (M) • In the Kingdom of Fools (M) • Writing Article. • Integrated grammar Practice 	Article writing
August	<ul style="list-style-type: none"> • A Truly Beautiful Mind (B) • The Snake and The Mirror (B) • A Legend of the Northland (B) • My Childhood (B) • The Happy Prince (M) • Reported Speech • Reordering of words and Phrases 	Extempore
September	<ul style="list-style-type: none"> • Active and Passive Voice • Revision for MID TERM 	
October	<ul style="list-style-type: none"> • Packing (B) • No Men are Foreign (B) • Weathering the storm in Ersama (M) • Clauses 	Debate

	<ul style="list-style-type: none"> • Determiners 	
November	<ul style="list-style-type: none"> • The Duck and the Kangaroo (B) • Reach For the Top (B) • On Killing a Tree (B) • The last Leaf (M) • A House is not a Home (M) • Story Writing • Practice of Determiners, Tenses & Reported Speech 	Story Writing
December	<ul style="list-style-type: none"> • The bond of Love (B) • Kathmandu (B) • The Snake Trying (B) • The Accidental Tourist (M) • Active & Passive voice • Reported Speech 	Dialogue Writing
January	<ul style="list-style-type: none"> • A Slumber did my Spirit Seal (B) • If I were You (B) • The Beggar (M) • Diary Entry • Integrated Grammar Practice 	
February	Revision for Annual Examination	

MATHEMATICS

Month	Portion of Syllabus to be Covered	Activity/ Practical/ Project
April	Ch.2 - Polynomials Ch.12 - Heron's Formula	Algebraic Identities
May	Ch. 3 - Coordinate Geometry Ch.4 - Linear Equations in Two Variables	Mirror Images of coordinates in the cartesian Plane
July	Ch.5 - Introduction to Euclid's Geometry Ch.6 - Lines and Angles Ch.7 - Triangles	Angle Sum Property of a Triangle
August	Ch.1- Number System Ch.14 - Statistics	Pythagorean Spiral
September	Revision	

October	Ch.8 - Quadrilaterals Ch.9 - Areas of Parallelogram and Triangle	Area of Trapezium
November	Ch.15 - Probability Ch.11 - Constructions	Crossword Puzzle
December	Ch.10 – Circles	Mid-Point Theorem
January	Ch.13 - Surface Areas and Volumes	Surface Area of Solid
February	Revision	

PHYSICS

Month	Portion of Syllabus to be Covered	Activity/ Practical/ Project
April	Ch. 8 – Motion	
May	Ch. 9 - Force and Laws of Motion	
July	Ch. 9 - Force and Laws of Motion (cont.)	To establish relationship between weight of rectangular wooden block and force required to move it using spring balance.
August	Ch. 10 – Gravitation	To observe and compare the pressure exerted on the three different faces of a cuboid on sand.
September	Revision	
October	Ch. 10 – Gravitation (cont.)	To determine the density of a solid using spring balance.
November	Ch. 11 - Work and Energy	
December	Ch.12 – Sound	To determine the velocity of a pulse propagated through a stretched string/slinky.
January	Ch.12 – Sound (cont.)	
February	Revision	

CHEMISTRY

Month	Portion of Syllabus to be Covered	Activity/ Practical/ Project
April	Matter in Our Surroundings (till characteristics of three states of matter)	1.(a)To determine the melting point of ice. (b)To determine the boiling point of water.
May	Matter in Our Surroundings (Change of states of matter, evaporation and factors affecting it)	2.To prepare true solution, colloid and suspension and distinguish them based on their properties.
July	Is Matter Around Us Pure? (till properties of solution, suspension, colloid)	3.To prepare mixture and compound and distinguish them based on some of their properties.
August	Is Matter Around Us Pure? (separation techniques, elements, compounds)	4.To carry out some important chemical reactions, identify their type also. 5.Separation of mixture of common salt sand and ammonium chloride by Sublimation
September	Revision (Periodic Test II)	
October	Atoms and Molecules (till molecular masses)	6.To verify the law of conservation of mass in a chemical reaction.
November	Atoms and Molecules (Mole concept)	Practice of numericals on mole concept.
December	Structure of Atom	Preparation of cards for formation of chemical formulae.
January	Revision of Ch. 1,2 and 3	
February	Revision of Ch. 4	

BIOLOGY

Month	Portion of Syllabus to be Covered	Activity/ Practical/ Project
April	Ch. 5- Fundamental Unit of Life	Preparing temporary mount of onion peel and human cheek cells.
May	Ch. 6 – Tissues	
July	Ch. 6 – Tissues (Cont.)	To observe permanent slides of plant and animal tissues.
August	Ch.15 - Improvement in Food Resources	

September	Revision	
October	Ch.13 - Why Do We Fall Ill	
November	Ch.7 - Diversity in Living Organisms	To study characteristics of Plant Kingdom.
December	Ch.7 - Diversity in Living Organisms	To study characteristics of different phylum.
January	Ch.14 - Natural Resources	
February	Revision	

SOCIAL SCIENCE

Month	Portion of Syllabus to be Covered	Activity/ Practical/ Project
April and May	History Ch.1 - The French Revolution Democratic Politics Ch.2 - What is Democracy? Why Democracy? Economics Ch.1 - The Story of Village Palampur Ch.2 - People as a Resource Geography Ch.1 - India Size and Location Ch.2 - Physical features of India	<ul style="list-style-type: none"> • Debate • Quiz • Values enshrined in our Constitution • Extempore
July	History Ch.2 - The Russian Revolution Democratic Politics Ch.3 - Constitutional Design Geography Ch.3 – Drainage	<ul style="list-style-type: none"> • Mock Elections • Map Work
August	Economics Ch.3 - Poverty as a Challenge Democratic Politics Ch..4 - Electoral Politics Geography Ch.4 - Climate	<ul style="list-style-type: none"> • Newspaper Activity • Map Work
September	Democratic Politics Ch.5 - Working of Institutions Revision	
October	History Ch.3 - Nazism and Rise of Hitler Geography Ch.5 - Natural Vegetation and Wildlife	<ul style="list-style-type: none"> • Map Work • Expression Of Thoughts: Suppose You Are A Jew, German Aryan - Write A Letter To Hitler

November	Economics Ch.4 - Food Security in India Geography Ch.6 – Population	<ul style="list-style-type: none"> • PPT on different governmental schemes • Disaster Management • Map Work
December	History Ch.6 - Peasants and Farmers Democratic Politics Ch.6 - Democratic Rights	
January	Revision	
February	Revision	

FOOD PRODUCTION

Month	Portion of Syllabus to be Covered	Activity/ Practical/ Project
April	Ch.1 - Introduction to Hospitality Industry	Make a flow chart or power point of departments of hotel industry.
May	Ch.2 - Career Opportunities Ch.3 - Introduction to Kitchen	<ul style="list-style-type: none"> • Role play of the various job opportunities of the hospitality sector. • Make a flip chart on jobs offered by each allied area.
July	Ch.4 - Protective Clothing and Maintenance	Draw different parts of the Chef uniform and prepare report on protective clothing.
August	Ch.5 - Personal Hygiene Ch.6 - Equipments and Kitchen Tools	<ul style="list-style-type: none"> • Observe and record all unhygienic practices adopted by street food vendor. • Demonstration about the correct hand washing techniques.
September	Ch.7 - Culinary History	<ul style="list-style-type: none"> • Prepare a chart on the small and large equipment's and their care and maintenance • Collect pictures and make collage of different knives, safe handling of knives, their uses and care and maintenance.
October	Ch.8 - Kitchen Commodities	Identify and make presentation of spices, herbs, cereals pulses and their uses.
November	Ch.8 - Kitchen Commodities	Visit local market and check the variety of tomatoes, potatoes, onion, brinjal and rice and their specific use.
December	Ch.9 - Storage of Commodities	Click pictures and compare fresh and stale ten fruits and vegetables each and discuss how it would affect the food preparation.

January	Ch.10 - Kitchen Organization	Draw the organization chart of food production department of hotel.
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COMPUTER APPLICATIONS

Month	Portion of Syllabus to be Covered	Activity/ Practical/ Project
April	Basics of Information Technology	
May	Basics of Information Technology (cont.)	<ul style="list-style-type: none"> Using the mouse and keyboard to draw a figure Navigation of the file system using a mouse and keyboard, and then doing the same with shell commands.
July	Cyber Safety	<ul style="list-style-type: none"> Email Online Chat Creating a video & uploading it on YouTube
August	Word Processor	Create the following in Word Processor <ul style="list-style-type: none"> Letter Report Greeting Card
September & October	Presentation Tool	Design a presentation including images, text, sound effects & animation.
November & December	Spreadsheet	<ul style="list-style-type: none"> Create a simple spreadsheet & apply MIN (), MAX (), SUM () and AVG (). Insert different types of charts on the above created sheet – Line, Bar & Pie.
January	Introduction to Python OR Introduction to Scratch	Write basic Scratch / Python program.
February	Revision	

HOME SCIENCE

Month	Portion of Syllabus to be Covered	Activity/ Practical/ Project
April	Ch.1 - Concept of Home Science and Its Scope Ch.2 - Principles of Growth and Development	<ul style="list-style-type: none"> Observation of motor skills in three-year-old child. Behavioral changes in an adolescent through observation method among peer group
May	Ch.3 - Age Specific Milestone Ch.4 - Concept and Types of Family	Role of family members: collage / chart etc.
July	Ch.5 - Role of Family in Holistic Development Ch.6 - Dignity of Labour Ch.7 - Importance of Girl Child	Design educational games specific to functions / sources of nutrients

August	Ch.8 - Influence of Various Factors on Family Ch.9 - Definition of Food, Nutrition, Health and Fitness Ch.10 - Selection and Storage of Foods	<ul style="list-style-type: none"> • Identification and use of kitchen tools and appliances: at least any five e.g. refrigerator, cooking gas, mixer-grinder, microwave, smokeless chulas, pressure cooker etc. • Weights and measures: Equivalents / conversions of Ounce, gram, cup, teaspoon, tablespoon, how to use a kitchen weighing scale. • Identification of fruits, vegetables, spices, oils, sugars, cereals, and lentils. • Food processing method demonstration: Germination and Fermentation.
September	Ch.11- Introduction to Fibre Science	Collection and Identification of fabrics, physical and burning tests.
October	Ch.12- Fabric Construction Ch.13 - Selection of Fabric	
November	Ch.14 - Resource Management Ch.15 - Waste Management	Take a case study of a house for disposal of kitchen waste and encourage segregation of biodegradable and non-biodegradable waste, through creating slogans / posters etc.
December	Ch.16 - First-Aid	Prepare a first aid kit and practice giving first aid for burns, cuts, bites, fractures, electric shocks.

हिंदी

Month	Portion of Syllabus to be Covered	Activity/ Practical/ Project
April	रैदास के पद गिल्लू वर्ण विच्छेद अनुस्वार-अनुनासिक नुक्ता	आशु भाषण
May	दुख का अधिकार रहीम के दोहे स्मृति पत्र लेखन-अनौपचारिक अनुच्छेद लेखन	चित्रवर्णन
June, July	एवरेस्ट मेरी शिखर यात्रा आदमी नामा उपसर्ग प्रत्यय सन्धि विज्ञापन लेखन	सार लेखन

August	तुम कब जाओगे अतिथि एक फूल की चाह विराम चिह्न अपठित गद्यांश, काव्यांश चित्र वर्णन संवाद लेखन	श्रवण कौशल पर आधारित गतिविधि
September	पुनरावृत्ति कार्य	
October	कीचड़ का काव्य हामिद खाँ	अनुच्छेद लेखन
November	दिये जल उठे धर्म की आड़ शुक्रतारे के समान अग्नि पथ नये हलाके में खुशबू रचते हैं हाथ	समाचार वाचन
December	पुनरावृत्ति कार्य	
January	पुनरावृत्ति कार्य	चित्र वर्णन
February	पुनरावृत्ति कार्य	