

Delhi Public School Khanna



KHANNA

Affiliated to CBSE

Syllabus

2017-18

Class - VII

A task deputed is a mission entrusted

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**English
Term I**

Main Course Book

- * The Brook (Poem)
- * The Ingenious Scientist
- * Boy with a Catapult
- * A Helping Hand
- * On the Grasshopper & the Cricket (Poem)

Grammar

- * Parts of Speech
- * Tenses
- * Subject verb agreement
- * Adverbs
- * Prepositions
- * Articles
- * Adjectives
- * Sentences

Writing Skills

- * Notice Writing (50 words)
- * Novel L-(1-4)
- * Article Writing (120-150 words)
- * Dairy Entry (100-120 words)

Activities

- * Listening Skill/Speaking Skill

* **Pre- Half Yearly Examination Revision**

Half Yearly Examination

Discipline Marks	Periodic Test (10)	Note book (5)	Subject Enrichment (5)	Pen & Paper (80)
Syllabus	As scheduled	Continuous evaluation	ASL	3 hours All the above syllabus

Term II

Main Course Book

- * Wandering Singers (Poem)
- * The Miller of the Dee (Poem)
- * Somebody's Mother (Poem)
- * Music and Immortality
- * The Face on the wall

Grammar

- * Reported Speech
- * Conjunctions
- * Modals
- * Active Passive

Writing Skills

- * Story Writing (150 words)
- * Novel L-(5-9)
- * Data Interpretation (75 words)
- * Dialogue Writing (80 words)

* **Pre- Half Yearly Examination Revision**

**General Knowledge
Term I**

Main Course Book

- * Amazing India
- * Legendary Women
- * Festivities
- * Makers of Modern India
- * India's Woes
- * India Quiz
- * The World and its People
- * International Leaders
- * Royal Talk
- * In these Times
- * Royal Talk
- * Religious Matters
- * Government Affairs
- * Mathemagic
- * Puzzling Logic
- * Money Management
- * Current Affairs
- * Plants and Animals
- * Mythological Creatures
- * Saving Animals
- * Lost Animals
- * Tiny Insects
- * Nature and Science
- * Caring for our Planet
- * Nature's Bounty
- * Timing Devices
- * Cybertime
- * Chemistry Calling

* **Pre- Half Yearly Examination Revision**

* **Examination will be of 50 marks and will be conducted before commencement of Pen & Paper test**

Term II

Main Course Book

- * Entertainment
- * Movie Mania
- * Sporty Films
- * The World of Television
- * Sports
- * Coaching the Stars
- * Sporting Colours
- * Sport in our Blood
- * Disgrace in Sports
- * Beyond Expectations
- * Current Affairs
- * Language and Literature
- * Well-known Acronyms
- * Legendary Detectives
- * Multiple Meaning Words
- * Build Your Vocabulary
- * Recently Coined English Words
- * Writers by Choice
- * Famous Citations
- * Life Skills
- * Dhanurasana
- * Buying Right
- * Learning to Manage Waste

* **Pre- Yearly Examination Revision**

* **Examination will be of 50 marks and will be conducted before commencement of Pen & Paper test**

Computer Term I

Main Course Book

- * Number System
- * More On Windows
- * Formulas and Functions
- * Using Excel as Database
- * Advance features of Excel

Practicals

- * Creating a basic formula, using a compound formula, types of cell reference
- * Common functions, adding, searching, deleting, sorting, filtering data.
- * Using a form to enter data, using data validation, analyzing data, creating, formatting a chart, formatting the legend, data series, consolidating data
- * Grouping worksheet, goal seek, using If condition

* Pre- Half Yearly Examination Revision

Half Yearly Examination

Discipline Marks	Periodic Test (10)	Note book (5)	Subject Enrichment (5)	Pen & Paper (80)
Syllabus	As scheduled	Continuous evaluation	Practical in MS excel	3 hours All the above syllabus

Term II

Main Course Book

- * Working with Flash CS-3
- * Working with Layers
- * Graphics in QBasic
- * Surfing Net & Email
- * The Virus

Practicals

- * Basic features of flash, gradient, editing (transforming, rotating, flipping, copying, moving) an object, motion tween, tint tween
- * Using symbols in flash, importing graphics, working with flash
- * Hide layer ,lock layer, basic feature of QBasic and looping in QBasic

* Pre- Yearly Examination Revision

Yearly Examination

Discipline Marks	Periodic Test (10)	Note book (5)	Subject Enrichment (5)	Pen & Paper (80)
Syllabus	As scheduled	Continuous evaluation	Practical using Adobe Flash & QBasic	3 hours Will be given

* Pre- Yearly Examination Revision

Yearly Examination

Discipline Marks	Periodic Test (10)	Note book (5)	Subject Enrichment (5)	Pen & Paper (80)
Syllabus	As scheduled	Continuous evaluation	ASL	3 hours Will be given

Mathematics Term I

Main Course Book

- * Integers
Properties of Integers under addition and subtraction, Multiplication of Integers, Properties of multiplication of Integers, Division of Integers, Properties of division of integers
- * Fractions
Types of fractions, Simplification of Fractions, Reciprocal of Fraction,
- * Decimals
Decimal numbers & its conversion, Multiplication of decimal numbers, Division of decimal numbers
- * Rational Numbers
Definition of rational numbers, Positive and negative rational numbers, Rational numbers on a number line, Rational numbers in standard form, Comparison of rational numbers, Inserting rational numbers between two given rational numbers, Operations on rational numbers
- * Ratio & Proportion
Definition of Ratio, Terms of Ratio, Comparison of Ratio, Definition of Proportion & its Types, Direct Variation, Inverse Variation
- * Unitary Method
- * Percentage
Introduction, Conversions, Word Problems on Percentage
- * Profit & Loss
Terms Related to Profit & Loss, Formulae
- * Simple Interest
Terms Related to Simple Interest
- * Collection & Organization of Data
Related definition, Mean, Median & Mode
- * Bar Graph
Drawing of Bar Graph
- * Probability
Terms Related to Probability

Activities

- * Puzzle of integers
- * Using paper cutting, shading and pasting to represent sum and product of fractions.
- * Using drawing sheet, pencil and compass to find the sum of rational numbers on a number line
- * Shading parts of whole to find the percentage
To represent the product of decimals using graph paper shading
- * To organize a set of data into a frequency table and make a bar graph

* **Pre- Half Yearly Examination Revision**

Half Yearly Revision

Discipline Marks	Periodic Test (10)	Note book (5)	Subject Enrichment (5)	Pen & Paper (80)
Syllabus	As scheduled	Continuous evaluation	Activities as above	3 hours All the above syllabus

Term II

Main Course Book

- | | | |
|--|--|--|
| * Exponents
Meaning of exponents
Laws of exponents
Expressing large numbers in standard form using exponents | * Algebraic Expression
Definitions of variable and constant, Terms & Types related to algebraic expressions, Simplification of algebraic expressions, Value of an algebraic expression, Using algebraic expressions in formulas and rules | * Constructions
Construction of a line parallel to another line, SSS construction, SAS construction, ASA construction, RHS construction |
| * Linear Equation in one variable
Setting up an equation Solution of Linear equations
Applications of Linear equations | * Lines & Angles
Terms & Types of angles
Angles formed by transversal & parallel lines | * Properties of Parallel Line
Terms & Types of angles
Angles formed by transversal & parallel lines |
| * Properties of Triangles
Exterior angle property of a triangle, Angle sum property of a triangle, Triangle inequality, Right triangle and Pythagoras Theorem | * Mensuration
Area of Rectilinear Figures, Applications of areas of squares and rectangles, Area of a Rhombus and a parallelogram, Circumference and area of a circle, Applications of area and perimeter | * Congruence
Meaning of congruent figures
SSS congruence criterion
SAS congruence criterion
ASA congruence criterion
RHS congruence criterion |
| * Reflection & Rotational Symmetry
Reflection symmetry, Rotational symmetry | * Three Dimensional Shapes
Terms related to 3-D Shapes | |

Activities

- | | | |
|---|---|---|
| * Assignment on Setting up an equation | * To verify angle sum and exterior angle property using paper sheets and tracing paper. | * To prove that area of a circle is πr^2 using paper cutting and pasting |
| * Using cardboard and paper to construct different triangles to show different congruency criterion
To deconstruct a paper cylinder to find the surface area | * To verify Pythagoras theorem using a cardboard square and triangles. | |

हिन्दी

प्रथम सत्र

पाठ का नाम

- | | | |
|--------------------------------|----------------------------------|-------------------|
| * मेरी भावना | * निर्णय का अभिवादन | * गाथा गजनंदन की |
| * मनभावन सावन | | |
| व्याकरण भाग | | |
| * वर्ण विचार, शब्द और पद विचार | * संज्ञा सर्वनाम, क्रिया, विशेषण | * उपसर्ग, प्रत्यय |

लेखन भाग

- | | | |
|---------------------------------|---------------------------------|------------------------------------|
| * संवाद लेखन (40-50 शब्दों में) | * सूचना लेखन (20-30 शब्दों में) | * अनुच्छेद लेखन (50-60 शब्दों में) |
| * पत्र लेखन | | |
| * पुनरावृत्ति | | |

अर्द्धवार्षिक परीक्षा

Discipline Marks	Periodic Test (10)	Note book (5)	Subject Enrichment (5)	Pen & Paper (80)
Syllabus	As scheduled	Continuous evaluation	श्रवण वाचन कौशल	3 hours All the above syllabus

द्वितीय सत्र

पाठ का नाम

- | | | |
|----------------|---|-------------------------|
| * वीर | * पैसों का पेड़ | * सम्मान की वापसी |
| * कुरल सप्तक | | |
| व्याकरण भाग | | |
| * अविकारी शब्द | * विलोम शब्द, पर्यायवाची शब्द, अनेक शब्दों के लिए एक शब्द | * मुहावरे व लोकोक्तियाँ |

लेखन भाग

- | | | |
|------------------------------------|-------------|---------------------------------|
| * संवाद लेखन (40-50 शब्दों में) | * पत्र लेखन | * सूचना लेखन (20-30 शब्दों में) |
| * अनुच्छेद लेखन (60-70 शब्दों में) | | |
| * पुनरावृत्ति | | |

वार्षिक परीक्षा

Discipline Marks	Periodic Test (10)	Note book (5)	Subject Enrichment (5)	Pen & Paper (80)
Syllabus	As scheduled	Continuous evaluation	श्रवण वाचन कौशल	3 hours Will be given

**Social Science
Term I**

Main Course Book

- * Democracy
- * Environment
- * Tribes, Nomads and settled communities (Map Work)
- * The Delhi Sultanate
- * Natural Vegetation and Wildlife (Map Work)
- * Mughal Empire
- * State Government

*** Pre- Half Yearly Examination Revision**

Half Yearly Examination

Discipline Marks	Periodic Test (10)	Note book (5)	Subject Enrichment (5)	Pen & Paper (80)
Syllabus	As scheduled	Continuous evaluation	Holiday assignment	3 hours All the above syllabus

Term II

Main Course Book

- * Human Environment- Settlement, Transport and Communication
- * Media and Democracy
- * Gender

*** Pre- Yearly Examination Revision**

Yearly Examination

Discipline Marks	Periodic Test (10)	Note book (5)	Subject Enrichment (5)	Pen & Paper (80)
Syllabus	As scheduled	Continuous evaluation	Debate / Symposium	3 hours Will be given

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*** Pre- Yearly Examination Revision**

Yearly Revision

Discipline Marks	Periodic Test (10)	Note book (5)	Subject Enrichment (5)	Pen & Paper (80)
Syllabus	As scheduled	Continuous evaluation	Activities as above	3 hours Will be given

**Punjabi
Term I**

ਪਾਠ ਦਾ ਨਾਮ

- * ਗੁੜ ਨਾਲੋਂ ਮਿੱਠੀ ਪੰਜਾਬੀ ਬੋਲੀ (ਕਵਿਤਾ)
- * ਇਸ ਘੋੜੇ ਦੀਆਂ ਵਾਗਾਂ ਫੜੋ
- * ਜ਼ਮੀਨ ਅਸਮਾਨ ਦਾ ਫਰਕ(ਕਹਾਣੀ)
- * ਤੰਦਰੁਸਤੀ ਹੈ ਬੜੀ ਨਿਯਮਤ (ਕਵਿਤਾ)
- * ਪੰਜਾਬ ਦੀਆਂ ਕੁੜੀਆਂ (ਕਵਿਤਾ)
- * ਦਸਮ ਪਿਤਾ ਸ੍ਰੀ ਗੁਰੂ ਗੋਬਿੰਦ ਸਿੰਘ ਜੀ (ਕਵਿਤਾ)

ਵਿਆਕਰਨ

- * ਭਾਸ਼ਾ, ਵਿਆਕਰਨ, ਅੱਖਰ ਬੋਧ/ ਧੁਨੀ ਬੋਧ/ਵਰਨ ਬੋਧ, ਲਿਪੀ, ਲਗਾਂ-ਮਾਤਰਾਵਾਂ, ਲਗਾਖਰ, ਸ਼ਬਦ ਬੋਧ ਨਾਂਵ, ਪੜਨਾਂਵ, ਕਾਲ, ਕਿਰਿਆ, ਵਿਸ਼ੇਸ਼ਣ
- * ਲੇਖ - ਸ੍ਰੀ ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਅਨੁਸ਼ਾਸਨ ਮੇਰਾ ਦੇਸ਼ (ਲਗਭਗ 200 ਸ਼ਬਦਾਂ ਵਿੱਚ ਲਿਖੋ ।)
- * ਅਣਡਿੱਠਾ ਪੈਰਾ, ਚਿੱਤਰ ਵਰਣਨ, ਮੁਹਾਵਰੇ, ਲਿੰਗ ਬਦਲੋ, ਵਚਨ ਬਦਲੋ, ਸ਼ਬਦ ਜੋੜ (ਸ਼ੁੱਧ-ਅਸ਼ੁੱਧ) ਵਿਰੋਧੀ ਸ਼ਬਦ, ਸਮਾਨਾਰਥਕ ਸ਼ਬਦ
- * **ਬਿਨੈ-ਪੱਤਰ-** ਸੈਕਸ਼ਨ ਬਦਲਣ ਲਈ ਅਰਜ਼ੀ ਚਾਚਾ ਜੀ ਨੂੰ ਤੋਹਫੇ ਦਾ ਧੰਨਵਾਦ ਕਰਨ ਲਈ ਪੱਤਰ, ਸਾਈਕਲ ਚੋਰੀ ਦੀ ਰਿਪੋਰਟ ਲਈ ਪੱਤਰ

*** Pre-Half Yearly Examination Revision**

Half Yearly Examination

Discipline Marks	Periodic Test (10)	Note book (5)	Subject Enrichment (5)	Pen & Paper (80)
Syllabus	As scheduled	Continuous evaluation	ਸੁਣਨ ਅਤੇ ਬੋਲਣ ਕੌਸ਼ਲ	3 hours All the above syllabus

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Term II

ਪਾਠ ਦਾ ਨਾਮ

- * ਸਵਰਗਲੋਕ (ਕਹਾਣੀ)
- * ਤੀਆਂ (ਕਵਿਤਾ)
- * ਸਫਲਤਾ ਦਾ ਭੇਤ (ਕਹਾਣੀ)
- * ਨਿਰੀ ਫੜ੍ਹ (ਇਕਾਂਗੀ)
- * ਹੋਲੀ ਦਾ ਮਤਲਬ (ਕਹਾਣੀ)

ਵਿਆਕਰਨ

- * **ਲੇਖ** - ਸਮਾਜਿਕ ਬੁਰਾਈਆਂ ਜੇ ਮੈਂ ਪ੍ਰਧਾਨ ਮੰਤਰੀ ਹੁੰਦਾ ਬਸੰਤ ਰੁੱਤ ਦਾ ਨਜ਼ਾਰਾ (ਲਗਭਗ 200 ਸ਼ਬਦਾਂ ਵਿੱਚ ਲਿਖੋ)
- * ਅਣਡਿੱਠਾ ਪੈਰਾ, ਚਿੱਤਰ ਵਰਣਨ, ਮੁਹਾਵਰੇ, ਵਾਕ ਬੋਧ, ਬਹੁਤੇ ਸ਼ਬਦਾਂ ਦੀ ਥਾਂ ਇੱਕ ਸ਼ਬਦ, ਸ਼ਬਦ ਰਚਨਾ, ਅਰਥ ਬੋਧ, ਬਹੁ - ਅਰਥਕ, ਸ਼ਬਦ ਰੁਪਾਂਤਰਨ, ਅਗੇਤਰ-ਪਿਛੇਤਰ
- * **ਨਿੱਜੀ-ਪੱਤਰ** - ਮਿੱਤਰ ਨੂੰ ਛੁੱਟੀਆਂ ਇਕੱਠੇ* ਕਿਰਿਆ- ਵਿਸ਼ੇਸ਼ਣ , ਯੋਜਕ , ਵਿਸਮਿਕ, ਸੰਬੰਧਕ , ਵਿਸਰਾਮ ਚਿੰਨ

* Pre- Yearly Examination Revision

Yearly Examination

Discipline Marks	Periodic Test (10)	Note book (5)	Subject Enrichment (5)	Pen & Paper (80)
Syllabus	As scheduled	Continuous evaluation	ਸੁਣਨ ਅਤੇ ਬੋਲਣ ਕੌਸ਼ਲ	3 hours Will be given

Science Term I

Main Course Book

- * Nutrition in plants
Nutrition and its types
Difference between autotrophic and heterotrophic nutrition
- * Heat and its effects
Heat, Effects of heat
Expansion in solids, liquids and gases
Temperature & its measurement
(Introduce melting point, boiling point and freezing point)
- * Nutrition in animals
Nutrition in Amoeba, Hydra and Frog
The Human digestive system
Ruminants
- * Light
Rectilinear propagation of light
Reflection of light
Real and virtual images
Spherical mirror and lenses
(**draw basic figures**)
Spectrum (**Lab experiment using prism and slab**)
(**Introduce laws of reflection**)
- * Electric current and its effect
Electric current and Effects of electric current
Electric circuit and Electric Power
The electromagnet
- * Motion and time
Numerical Basic Concept
Standard units (**introduce dimensional formula**)
Measurements
Speed
Types of motion and Distance-time graph

* Pre-Half Yearly Examination Revision

Half Yearly Examination

Discipline Marks	Periodic Test (10)	Note book (5)	Subject Enrichment (5)	Pen & Paper (80)
Syllabus	As scheduled	Continuous evaluation	Practical	3 hours All the above syllabus

Term II

Main Course Book

- * Structure of matter
What is matter?
Elements, compounds and mixtures
- * Acids, bases and salts and basics of Physical and Chemical changes
Acids and bases and Properties of acids and bases
The preparation and uses of salts
Physical changes and their characteristics
Chemical changes and their characteristics
Types of chemical changes
- * Basic concepts of chemistry
Symbols and formulae,
Chemical equations
(Introduce writing chemical equations, valency of radical ions, reactivity series, types of reaction (combination, decomposition, displacement and double displacement)
- * Reproduction in plants
A sexual reproduction in plants
Vegetative reproduction
Sexual reproduction
- * Respiration
Respiration in plants and
Respiration in animals
Respiratory system in human beings
Types of respiration.
- * Transportation of materials in plants and animals
Transportation of materials in plants
Transportation of materials in animals
Excretion in animals and humans

* Pre- Yearly Examination Revision

Yearly Examination

Discipline Marks	Periodic Test (10)	Note book (5)	Subject Enrichment (5)	Pen & Paper (80)
Syllabus	As scheduled	Continuous evaluation	Practical	3 hours Will be given