

MAHARSHI PATANJALI VIDYA MANDIR, PRAYAGRAJ

SYLLABUS BREAKUP: 2021-22

CLASS: IX

I.SUBJECT: ENGLISH

TERM - 1

Beehive : Prose & Poem

L 1- The Fun They Had, The Road Not Taken (poem)

L 2- The Sound of Music, Wind (Poem)

L 3- The Little Girl, Rain on the Roof (Poem)

L 4- A Truly beautiful Mind, The Lake Isle of Innisfree (Poem)

L 5- The Snake and The Mirror, A Legend of The Northland (Poem)

L 6- My Childhood, No Men Are Foreign (Poem)

Moments:

L 1- The Lost Child

L 2- The Adventures of Toto

L 3- Iswaran the Storyteller

L 4- In the Kingdom Of Fools

L 5- The Happy Prince

Grammar :- Tenses, Modals, Passive Voice, Subject – Verb Concord

Writing Skills:- Informal Letter, Story Writing

Unit Test -1 – The Fun They Had, The Road Not Taken, The Lost Child, Informal Letter, Tenses

Half Yearly Examination - [September-October] Syllabus- Term 1

TERM - 2

Beehive : Prose & Poem

L 7- Packing, The Duck and the Kangaroo (Poem)

L 8- Reach For the Top, On Killing a Tree (Poem)

L 9- The Bond Of Love, The Snake Trying (Poem)

L10- Kathmandu, A Slumber did my Spirit Seal (Poem)

L11- If I Were You

Moments :

L 6- Weathering the Storm in Ersama

L 7- The Last Leaf

L 8- A House is not a Home

L 9- The Accidental Tourist

L10- The Beggar

Grammar: Reported Speech (Commands & Requests, Statements, Questions, Dialogue

Writing/Reporting dialogue on a given cue), Clauses (Noun Clauses, Adverb clauses of Condition & Time, Relative Clauses), Determiners, Prepositions.

Writing Skills: Diary Entry & Descriptive Paragraph (Person / Place / Event)

Unit Test - 2 Packing, The Duck And The Kangaroo, Reach For The Top, On Killing a Tree, Weathering the Storm in Ersama, The Last Leaf, Diary Entry, Reported Speech

Annual Examination Syllabus – Term - 1 & Term - 2

II. विषय- हिन्दी

पाठ्यपुस्तके---

1- क्षितिज भाग 1

2- कृतिका भाग 1

3- Together with हिन्दी व्याकरण।

अप्रैल- गद्य-पाठ-1 दो बैलों की कथा

पद्य—पाठ -9 साखी एवं सबद(केवल पहला सबद)

व्याकरण- उपसर्ग,प्रत्यय,अलंकार

मई -समास व्याकरण भाग की आवृत्ति

जुलाई- गद्य-पाठ-2 ल्हासा की ओर

पद्य-पाठ- 10 वाख

कृतिका पाठ-1 मेरे संग की औरतें

व्याकरण- अर्थ के आधार पर वाक्य के भेद

अगस्त -गद्य-पाठ-4 सांवले सपनों की याद

पद्य-पाठ-11 रसखान के सवैये

पाठ-12 कैदी और कोकिला

व्याकरण- औपचारिक एवं अनौपचारिक अ, लघुकथा।

क्रिया कलाप -कविता वाचन

सितम्बर -पाठ-5 नाना साहब की पुत्री देवी मैना को भस्म कर दिया गया

पाठ 6-प्रेमचन्द के फटे जूते

कृतिका-रीढ़ की हड्डी

व्याकरण -संवाद लेखन, अपठित गद्यांश

अक्तूबर-पद्य-पाठ-14 चन्द्र गहना से लौटती बेर

कृतिका- माटीवाली

नवम्बर- गद्य-पाठ-7 मेरे बचपन के दिन

पद्य- पाठ-15 मेघ आए

व्याकरण-पूर्व में पढ़ाए गए व्याकरणिक अंशों का अभ्यास ।

दिसम्बर-पद्य-पाठ-16 यमराज की दिशा

व्याकरणिक अंशों का अभ्यास ।

जनवरी- पद्य-पाठ-17 बच्चे काम पर जा रहे हैं।

क्रिया कलाप -श्रवण कला-कौशल परीक्षा

फरवरी-सम्पूर्ण पाठ्यक्रम का पुनः अभ्यास

(सैपल पेपर का अभ्यास)

1.पृथम इकाई परीक्षा

गद्य खंड -पाठ -1 दो बैलों की कथा

पद्य खंड-पाठ -1 सांखियाँ एवं सबद(पहला सबद)

व्याकरण-उपसर्ग,पृत्यय,समास,अलंकार

कृत्याकलाप-कविता वाचन(श्रवण कौशल)

पृसिद्ध साहित्यकारों की कविताओं को कंठस्थ कर उसका भावपूर्ण पाठ।समयावधि -डेढ़ मिनट

2.अर्धवार्षिक परीक्षा पाठ्यक्रम

गद्य—पाठ 1-दो बैलों की कथा,पाठ-2ल्हासा की ओर,पाठ-4 सावले सपनों की याद पाठ-5 नाना साहब की पुत्री देवी मैना को भस्म कर दिया गया पाठ-6-प्रेमचन्द के फटे जूते ।

पद्य- पाठ -9 साखियाँ, सबद(1st) पाठ 10-वाख,पाठ 11- रसखान के सवैये,पाठ 12- कैदी और कोकिला

कृतिका-मेरे संग की औरतें, रीढ़ की हड्डी,

व्याकरण-उपसर्ग, पृत्यय, समास,अर्थ के आधार पर वाक्य भेद,अलंकार, पत्र- लेखन, संवाद -लेखन, लघुकथा लेखन, अनुच्छेद लेखन एवं अपठित गद्यांश।

3.द्वितीय इकाई - गद्य खंड - प्रेमचन्द के फटे जूते , कृतिका -माटीवाली, पद्य खंड-बच्चे काम पर जा रहे हैं ।

व्याकरण-अर्थ के आधार पर वाक्य भेद,अलंकार

कृत्याकलाप – परियोजना कार्य

4.वार्षिक पाठ्यक्रम-

पाठ- 1,2,4,5,6,7,9,10,11,12,14,15,16,17

कृतिका- मेरे संग की औरतें, रीढ़ की हड्डी, माटीवाली

पूरे सत्र में पढ़ाया गया व्याकरण एवं समस्त पाठ।

III. SUBJECT – MATHEMATICS

1st Term Syllabus - Number system, Polynomials

Lines and Angles, Linear Equation in two variables, Coordinate Geometry, Heron's formula and triangles.

1st Unit Test - Number system, polynomials and lines and angles

Half Yearly - Number System, Polynomials, Linear equation in two variables, Coordinate Geometry, Lines and angles, Heron's formula and triangles.

2nd Term - Circles, Constructions, Surface area and volumes, Statistics, Areas of parallelogram and triangles, Quadrilaterals, probability

2nd Unit Test- Constructions, Circles and surface area and volumes.

Activities based on Art integration.

Annual Exam- Complete syllabus of term 1 and term 2

IV. SUBJECT-SCIENCE-

BIOLOGY & CHEMISTRY

FIRST TERM

MONTH	FIRST TERM CHAPTERS	
April	CHAPTER 5 : THE FUNDAMENTAL UNIT OF LIFE	
May and June	CHAPTER 2 : IS MATTER AROUND US PURE?	
July	CHAPTER 6 : TISSUES	

August	CHAPTER 1 : MATTER IN OUR SURROUNDINGS	
September	CHAPTER 15 : IMPROVEMENT IN FOOD RESOURCES	

**UNIT TEST – I:- CHAPTER 5 : THE FUNDAMENTAL UNIT OF LIFE &
CHAPTER 2 : IS MATTER AROUND US PURE?**

HALF YEARLY:- CHAPTER NOS. 1, 2, 5, 6 &15.

SECOND TERM

MONTH	SECOND TERM CHAPTERS	
OCTOBER	CHAPTER 3 : ATOMS AND MOLECULES	
NOVEMBER	CHAPTER 13 : WHY DO WE FALL ILL?	
DECEMBER	CHAPTER 14: NATURAL RESOURCES (Art integration)	
JANUARY	CHAPTER 4 : STRUCTURE OF THE ATOM	
FEBRUARY	CHAPTER 7 : DIVERSITY IN LIVING ORGANISMS	

**UNIT TEST – II:- CHAPTER 3 : ATOMS AND MOLECULES &
CHAPTER 13 : WHY DO WE FALL ILL?**

ANNUAL EXAMINATION : COMPLETE SYLLABUS

CHEMISTRY PRACTICAL SYLLABUS

TERM I :

1. To prepare :

- A true solution of common salt, sugar and alum in water.
- A suspension of soil, chalk powder and fine sand in water.
- A colloidal solution of starch, egg albumin in water.
- To distinguish between these on the basis of:

- Transparency
- Filtration criterion
- stability

2. To prepare:

- A mixture and
 - A compound using iron filings and sulphur powder.
 - To distinguish between them on the basis of:
- Appearance, i.e homogeneity and heterogeneity

- Behaviour towards a bar magnet
 - Behaviour towards carbon disulphide as a solvent
 - Effect of heat
3. Separation of the components of a mixture of sand, common salt and ammonium chloride.

TERM II :

4. To carry out the following chemical reactions and record observations. Also to identify the type of reaction involved in each case:
- (a) Iron with copper sulphate in water.
 - (b) Burning a magnesium ribbon in air.
 - (c) Zinc with dilute sulphuric acid.
 - (d) Heating of copper sulphate crystals.
 - (e) Sodium sulphate with barium chloride in the form of their solutions in water.
5. Determination of the melting point of Ice and boiling point of water.
6. Verification of the law of conservation of mass in a chemical reaction.

BIOLOGY PRACTICAL SYLLABUS

I-TERM

1. To prepare stained temporary mounts of (a) onion peel, and (b) human cheek cells and to record observations and draw their labelled diagrams.
2. To identify parenchyma, collenchyma & sclerenchyma tissues in plants, striped, smooth and cardiac muscle fibres & nerve cells in animals, from prepared slides and to draw their labelled diagrams.

II-TERM

1. To study the characteristics of Spirogyra/Agaricus, Moss/Fern, Pinus and Angiosperm plant. Draw and give two identifying features of group they belong to.
2. To observe and draw the given specimens - Earthworm, Cockroach, Bony Fish and Bird. For each specimen record:
- (a) One specific feature of its phylum
 - (b) One adaptive feature with reference to its habitat.
3. To study the external features of root, stem, leaf and flower of monocot and dicot.

PHYSICS

April: Motion: Distance and Displacement, Velocity, Uniform and non-uniform motion along a straight line; acceleration

May& June: Distance-time and velocity-time graphs for uniform and uniformly accelerated motion.

July: Motion: Equation of motion by graphical method; elementary idea of uniform circular motion.

Force and Newton's Laws: Force and motion, Newton's laws of motion, inertia of a body, inertia and mass, momentum, force and acceleration.

August: Elementary idea of conservation of momentum, action and reaction forces.

September: Gravitation: Gravitation, universal law of gravitation, force of gravitation of the earth (gravity), acceleration due to gravity, mass and weight, free fall.

October: Floatation: Thrust and pressure. Archimedes' principle, buoyancy, elementary idea of relative density.

November: Work, energy and power: Work done by a force, energy, power, kinetic and potential energy.

December: Work, energy and power: Law of conservation of energy.

January: Sound: Nature of sound and its propagation in various media, speed of sound , range in humans.

February: Sound: Ultrasound, reflection of sound, echo and SONAR. Structure of the human ear (auditory aspect only)

First unit test :-Motion.

Activity:-Students have also to make assignment copy.

Half yearly:-Motion, Force & Newton's Laws and Gravitation

Activity:- Students have also to give practical examination

Second unit test:- Floatation and Work energy.

Annual examination:- Complete syllabus

PHYSICS PRACTICAL SYLLABUS

April & May: Verification of Laws of Reflection.

July & August: Determination of the density of solid (denser than water) by using a spring balance and a measuring cylinder.

September & October: Establishing the relation between the loss in weight of a solid when fully immersed in

(i) tap water (ii) strongly salty water, with the weight of water displaced by it by taking at least two different solids.

November & December: Determination of the speed of a pulse propagated through a stretched string / slinky (helical spring)

V. SUBJECT: SOCIAL SCIENCE

HISTORY / CIVICS

Term – I

April - History - Chapter- I- The French Revolution

May -Civics - Chapter-I What is Democracy? Why Democracy?

Unit Test- I - History - Chapter -I- French Revolution

July/August -History -Chapter- II- Socialism in Europe and the Russian Revolution

September - Civics - Chapter- II Constitutional Design

Half Yearly Examination- Syllabus covered till September

Term – II

October -Civics- Chapter-III- Electoral Politics

November - History- Chapter – III- Nazism and the Rise of Hitler

December- History- Chapter – IV Forest Society and Colonialism

Unit Test - II - History - Chapter -III Nazism and the Rise of Hitler

Civics - Chapter – III Electoral Politics

January- Civics- Chapter – IV -Working of Institutions

February- Civics – Chapter – V- Democratic Rights

Annual Examination- Complete Syllabus

GEOGRAPHY/ECONOMICS

Term -1

Geography:-

Chapter -1. India- size and location. (UT-1)

Chapter- 2. Physical features of India

Chapter - 3. Drainage

plus (Map work of the chapters)

Term -2

Chapter-4. Climate (UT-2)

Chapter-5. Natural vegetation and wildlife

Chapter-6. Population

All chapters of 1st and 2nd term. Plus map work of all the chapters

Economics

Term- 1

Chapter- 1 The Story of village Palampur (UT-2)

Chapter-2. People as a resource

Term-2.

Chapter- 3 Poverty as a challenge (UT-2)

Chapter -4 Food security

All chapters in final exams

VI. SUBJECT: INFORMATION TECHNOLOGY (402)

Unit Test – I :

Part-A Unit-3: Basic ICT Skills-I (Session-1 ICT and its impact, Session-2 Basic of a computer system and a mobile device, Session-3 Input, output, memory and storage device of a computer system, **Session-4 Basic Computer operations (Windows OS)**, Session-5 Working with Linux OS (Ubuntu), Session-6 Internet and its applications, Session-7 Internet Services)

Half Yearly:

Part-A Unit-3: Basic ICT Skills-I (Session-1 ICT and its impact, Session-2 Basic of a computer system and a mobile device) Session-3 Input, output, memory and storage device of a computer system, **Session-4 Basic Computer operations (Windows OS)**, Session-5 Working with Linux OS (Ubuntu), Session-6 Internet and its applications, Session-7 Internet Services)

Part-B Unit1: Word Processing (Elementary) (Session-1 Getting started with word processing, Session-2 Setting up writer and formatting documents, Session-3 Formatting pages, spell check and autocorrect utilities, Session-4 table and printing, Session-5 Practice: Word processing skills),

Part-B Unit-2: Spreadsheet Applications (Elementary) (Session-1 Getting started with spreadsheet, Session-2 Working with data, Session-3 Formatting and sorting data, Session-4 Charts and graphs, Session-5 Adding graphics in calc and printing worksheets, Session-6 Hands on practice (creating charts)

Part-B Unit-3: Presentation Software: (Session-1 Introducing presentation, Session-2 Presentation template and slide master, Session-3 Slide text and images, Session-4 Drawing and managing graphic objects in impress, Session-5 Exporting and printing slide shows, Presentation), Session 6 Practice: Creating a Complete Presentation

Unit Test – II :

Part-A Unit-2: Self – Management (Session-1 What is self-management, Session-2 Knowing own strengths and weakness, Session-3 Self-confidence and positive thinking, Session-4 Personal hygiene and self-grooming), & **Appendix: Mastering Typing.**

Annual :

Part-A Unit-1: Communication Skills (Session-1 What is communication, Session-2 Verbal and non-verbal methods of communication, Session-3 Visual and written methods of communication, Session-4 English lang. skills I- parts of speech, Session-5 Basic punctuation rules, Session-6 Pronunciation rules, Session-7 Sentence formation 1, Session 8 introducing oneself, Session-9 Greeting others, Session-10 Sentence formation 2, Session-11 Talking

about family, Session-12 Framing Questions, Session-13 Sentence formation 3, Session-14 Forming sentences: Basic sentence elements), Session 15 Sentence Formation 4

Part-A Unit-2: Self - Management (Session-1 What is self-management, Session-2 Knowing own strengths and weakness, Session-3 Self-confidence and positive thinking, Session-4 Personal hygiene and self-grooming)

Part-A Unit-3: Basic ICT Skills-I (Session-1 ICT and its impact, Session-2 Basic of a computer system and a mobile device, Session-3 Input, output, memory and storage device of a computer system, **Session-4 Basic Computer operations(Windows OS), Session-5 Working with Linux OS (Ubuntu), Session-6 Internet and its applications, Session-7 Internet Services)**

Part-A Unit-4: Entrepreneurial Skills (Session-1 What are entrepreneurship and business, types of and fields for entrepreneurship, Session-3 Entrepreneurships vs. employment, Session-4 Entrepreneurship development process)

Part-A Unit-5: Green Skills-I (Session-1 Natural environment and us, Session-2 Our Influence on natural environment, Session-3 Natural resource conservation, Session-4 Green economy and green skills)