

ENGLISH SYLLABUS CLASS 9

MONTH	LITERATURE	GRAMMAR	WRITING
July	Beehive- The snake and the mirror Moments- Iswaran the story teller	Reported speech	Diary Entry Letter Writing
August	Beehive- My Childhood Moments- In the kingdom of fools	Preposition Connectors	Story Writing

2020-21
हिंदी पाठ्यक्रम
कक्षा ९

माह / कालांश	इकाई	गद्य	पद्य	कृतिका	व्याकरण	शिक्षण उद्देश्य	क्रियाकलाप / रचनात्मक
जुलाई (24)	त्रैमासिक परीक्षा		रसखान	रीढ़ की हड्डी	* अर्थ के आधार पर वाक्य (भेद) *पत्र - औपचारिक	*विद्यार्थियों को साहित्यकारों व लेखक ले जीवन से परिचित करना *विद्यार्थियों में मानवीय मूल्यों के प्रति संवेदनशील प्रवृत्ति को विकसित करना	किसी भी एक उत्पाद से सम्बंधित अखबार में दिए जाने वाले विज्ञापन को तैयार करना
अगस्त (30)		साँवले सपनों की याद	कैदी और कोकिला		* पत्र - अनौपचारिक * संवाद लेखन		

SYLLABUS OF CLASS IX

MATHEMATICS

2020-2021

MONTH	UNIT	CONTENT	LEARNING OBJECTIVE	ENRICHMENT ACTIVITY
JULY	GEOMETRY	CHAPTER 6: LINES AND ANGLES PLANE, LINE SEGMENT, RAY, COLLINEAR POINTS, ANGLES, INTERSECTING AND NON-INTERSECTING LINES, PAIR OF ANGLES, PARALLEL LINES AND A TRANSVERSAL, LINES PARALLEL TO THE SAME LINE, ANGLE SUM PROPERTY OF A TRIANGLE	STUDENTS WILL BE ABLE TO:- 1. REVISE BASIC CONCEPT OF ANGLES. 2. UNDERSTAND INTERSECTING AND NON-INTERSECTING LINES. 3. DEFINE AND UNDERSTAND PAIR OF ANGLES, PARALLEL LINES AND A TRANSVERSAL. 4. PROVE THE THEOREM OF LINES PARALLEL TO THE SAME LINE AND ANGLE SUM PROPERTY OF A TRIANGLE.	LAB ACTIVITY:- GEOMETRIC VERIFICATION OF EXTERIOR ANGLE.
	MENSURATION	CHAPTER 12: HERON'S FORMULA AREA OF TRIANGLE USING HERON'S FORMULA AND ITS APPLICATION TO FIND THE AREA OF QUADRILATERAL	STUDENTS WILL BE ABLE TO:- 1. FIND AREA OF A TRIANGLE BY HERON'S FORMULA. 2. USE HERON'S FORMULA TO FIND THE AREA OF A QUADRILATERAL.	WORKSHEET

AUGUST	GEOMETRY	<p>CHAPTER 7:- TRIANGLES BASIC TERMS, CRITERION FOR CONGRUENCE OF TRIANGLES, THE ANGLES OPPOSITE TO EQUAL SIDES OF A TRIANGLE ARE EQUAL, THE SIDES OPPOSITE TO EQUAL ANGLES OF A TRIANGLE ARE EQUAL, INEQUALITY IN A TRIANGLE</p>	<p>STUDENTS WILL BE ABLE TO:- 1. UNDERSTAND THE CONCEPT OF CONGRUENCE OF GEOMETRICAL FIGURES. 2. APPLY THE CONGRUENCY RULES IN REAL LIFE SITUATIONS. 3. UNDERSTAND AND APPLY THE THEOREM OF INEQUALITIES IN REAL LIFE SITUATIONS.</p>	WORKSHEET
	STATISTICS	<p>CHAPTER 14:- STATISTICS INTRODUCTION TO STATISTICS, COLLECTION OF DATA, REPRESENTATION OF DATA IN TABULAR FORM, BAR GRAPHS, HISTOGRAMS WITH VARYING CLASS WIDTH, FREQUENCY POLYGON, MEASURES OF CENTRAL TENDENCIES.</p>	<p>STUDENTS WILL BE ABLE TO:- 1. KNOW THE IMPORTANCE OF STATISTICS, ITS ORIGIN AND BASIC DEFINITIONS. 2. COLLECT DATA AND REPRESENT IT IN TABULAR FORM. 3. REPRESENT DATA GRAPHICALLY (BAR GRAPH, HISTOGRAMS, FREQUENCY POLYGON) 4. UNDERSTAND AND APPLY MEASURES OF CENTRAL TENDENCIES (MEAN, MEDIAN AND MODE)</p>	<p>LAB ACTIVITY:- MAKING A FREQUENCY DISTRIBUTION TABLE OF HEIGHTS OF STUDENTS OF A CLASS</p>
	PROBABILITY	<p>CHAPTER 15:- PROBABILITY HISTORY, REPEATED EXPERIMENTS AND OBSERVED FREQUENCY APPROACH TO PROBABILITY, FOCUS IS ON EMPIRICAL PROBABILITY.</p>	<p>STUDENTS WILL BE ABLE TO:- 1. DEFINE EMPIRICAL PROBABILITY. 2. UNDERSTAND THE BASIC TERMS LIKE TRIAL, EVENT, SAMPLE SPACES ETC. 3. APPLY THE EMPIRICAL FORMULA OF PROBABILITY TO SOLVE REAL LIFE PROBLEMS.</p>	<p>CLASS ACTIVITY:- TO VERIFY THAT THE SUM OF PROBABILITIES OF ALL ELEMENTARY EVENTS OF ANY EXPERIMENT IS ONE (1).</p>

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Syllabus –Science
Class -IX
Session 2020-21

Month	Periods	Unit	Contents	Learning objective	Suggested activities
July	09	Is matter around us pure.	Nature of matter: Elements, compounds and mixtures. Heterogeneous and homogeneous mixtures, colloids and suspensions.	Students will be able to : <ul style="list-style-type: none"> • Distinguish between mixture and pure substances. • Know different type of solutions 	<ul style="list-style-type: none"> • Cool collages (make a collage for demonstrating their understanding of concepts). • Sample questions (worksheet).
	04	Sound	Sound: nature of sound and its propagation in various media, speed of sound, range of hearing in humans.	<ul style="list-style-type: none"> • Know about longitudinal and transverse waves. • Characteristics of waves. • Loudness, pitch and quality of sound. 	<ul style="list-style-type: none"> • Project report. • Sample questions (worksheet).
	12	Improvement of food resources	Use of fertilizers and manures; protection from pests and diseases; organic farming.	<ul style="list-style-type: none"> • Understand the importance of hybridization. • Differentiate between manure and fertilizers. 	<ul style="list-style-type: none"> • Flow chart. • Concept map.
August	09	Is matter around us pure	Separating the components of a mixture	<ul style="list-style-type: none"> • Understand separation methods of different mixtures. 	<ul style="list-style-type: none"> • Project/research report. • Sketching of separation techniques.

Syllabus –Science
Class -IX
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	09	Sound	Ultrasound; reflection of sound: echo and SONAR. Structure of the human Ear (auditory aspect only).	<ul style="list-style-type: none"> • Applications of ultrasound in real life and medical science. • Working of human ear. 	<ul style="list-style-type: none"> • Sketching of human ear. • Concept map.
	16	Improvement of food resources	Plant and animal breeding and selection for quality improvement and management.	<ul style="list-style-type: none"> • Concept of animal husbandry, management and breeding shelter. • Correlate pasturage and quality of honey. 	<ul style="list-style-type: none"> • Names of different breeds of animals (Indian and exotic).

Class 9, July and August (2020-21), Social Science

Months	Unit	Content	Learning Objectives	Suggested Activities
July	History	Chapter 2 socialism and the Russian revolution <ul style="list-style-type: none"> • The age of social change • The Russian revolution • The February revolution in Petrograd • What changed after October? • The global influence and USSR 	To explore the history of socialism through the study of Russian revolution	<ul style="list-style-type: none"> • Concept map • Picture based question.
	Geography	Chapter 3 drainage <ul style="list-style-type: none"> • Drainage system in India • The Himalayan rivers • The peninsular river{cont.} 	To identify the river system of the country and explain the role of rivers in human history.	Crossword puzzle Pg.no. 25
August	Geography	Chapter 3 drainage <ul style="list-style-type: none"> • Lakes • Roles of rivers in economy. 		
	Pol.science	Chapter 3 constitutional design <ul style="list-style-type: none"> • Democratic constitution in S.Africa. • Why do we need a constitution? • Making of the Indian constitution. • Guiding values of the Indian constitution. 	To understand the process of constitution making.	Compare the preamble of the constitution of USA, INDIA, And SOUTH AFRICA.
	Economics	Chapter 2 people as resource <ul style="list-style-type: none"> • Economic activities by men and women • Quality of education • unemployment 	To understand how population can be a asset or liability for the nation.	Worksheet

Syllabus, Sub-Art, Class-IX

July	<ol style="list-style-type: none">1. <i>Checking of Holiday Homework</i>2. <i>Slogan writing (English}</i>3. <i>Slogan writing (Hindi}</i>	<i>*Students will learn how to write slogan in different style</i>
August	<ol style="list-style-type: none">1. Landscape with water colour2. Badge Making	<i>*Students will learn how to do water colour</i> <i>* Students will learn how to make tri-color badge</i>

Physical Education IX & X

Suggested Activities

Marks 30

- 01.** Physical fitness test – 6 marks
- 02.** Proficiency in game and sports (Skill of any one game of choice from the given list) - 7 marks
- 03.** Yogic practice - 7 marks
- 04.** Record file -5 marks
- 05.** Viva voce (Health/game & sports/yoga) – 5 marks
 - Athletic, Badminton, Basketball, Boxing, chess, judo , volleyball, Throwball, Netball, Table Soccer, Tennis, Tennis volleyball, Aerobics, Fencing, Table tennis, Gymnastics, Rope skipping, yoga.

☆☆ RECORD FILE SHALL INCLUDE

Practical 01. Labeled diagram of 400 m Track & Field With Computations.

Practical 02. First aid (Aim & Objectives) Soft tissue injuries- Sprain , Contusion, Strain, Abrasion , Bruises, Bone injuries.

Practical 03. Labeled diagram of Field & equipment of any one game of your choice out of the above list.

Practical 04. List of current national Awardees (Dronacharya award , Arjuna award & Rajiv ghandi khel ratna award)

Practical 05. Yoga , ELEMENTS of yoga, Benefits of yoga in daily life. Practical presentation of any five Asanas for improving concentration.

Practical 06. Balance Diet

Practical 07. AAPERD Fitness Test

