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THE E5 SCHOOL

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School Code: 41462

ACADEMIC SESSION: 2025-26

GRADE: 11TH SCIENCE

ANNUAL PLANNER

PHYSICS 11TH SCIENCE
NCERT textbook

Months	Week	Grammar	Practicals	Activity
APRIL	I	Basic mathematics	Practical.1 To measure diameter of a small spherical body using vernier calliper	To make a paper scale of given list, count that is .2 cm and .5 cm
	II	Ch.1 units and Measurements		
	III	Chapter 2 Motion in a straight line		
	IV	Chapter 3 Motion in a plane		
MAY	I	Chapter 4 Laws of motion Chapter 5 What power and energy	Practical.2 To measure the diameter of a wire using Screw gauge	Today, determine mass of given body using a meter scale by principle of moments
	II			
	III			
	IV			
JUNE	SUMMER VACATION			
JULY	I	Chapter 6 System of particle and rotational motion Chapter 7 Gravitation	Using simple pendulum plot its graph, use it to find the effective length of second pendulum	To study the variation in Range of projectile with an angle of projection.
	II			
	III			
	IV			
AUGUST	I	Chapter 8 Mechanical properties of solids Chapter 9 Mechanical properties of fluids	Practical .4 Find report constant of a helical string by plotting Agra between load and extension	
	II			
	III			
	IV			
SEPTEMBER	TERM -1 EXAMINATION			
OCTOBER	I	chapter 10 Thermal properties of matter Chapter 11 thermodynamics		To observe and explain the effect of heating on a bimetallic strip
	II			
	III			
	IV			
NOVEMBER	I	Chapter 12 Kinetic theory of gases		
	II	Chapter 13 Oscillations		
	III	Chapter 14 Wave		

DECEMBER	I	REVISION
	II	
	III	
	IV	
JANUARY	I	REVISION
	II	
	III	
	IV	
FEBRUARY		REVISION
MARCH		TERM -2 EXAMINATION

BIOLOGY
TEXT BOOK – NCERT BIOLOGY

WEEK	CHAPTERS	ACTIVITY / EXPERIMENTS
1 ST	1- Living World	Study and describe locally available common flowering plants, types of stem, leaf.
2 ND	2- Biological Classification	
3 RD		
4 TH		
1 ST	3- Plant Kingdom	Preparation and study of T.S of dicot and monocot roots and stems.
2 ND	4- Animal Kingdom	Study of distribution of stomata on the upper and lower surface of leaves.
3 RD		
4 TH		
SUMMER VACATION		
1 ST	5- Morphology of flowering plants	Study of the rate of respiration in flower buds and terminating seeds.
2 ND	6- Anatomy of flowering plants	
3 RD	7- Structural organization in animals	Test for the presence of sugar, starch, proteins and fats in suitable plant and animal materials.
4 TH	8- Cell- The unit of life	
1 ST	9- Biomolecules	Test for presence of urea in urine.
2 ND	10- Cell Cycle & Division & Unit test / assessment	Test for presence of albumin in urine.
3 RD		Test for presence of sugar in urine.
4 TH		

WEEK	CHAPTERS	ACTIVITY
TERM -1 EXAMINATION		
1 ST	11- Photosynthesis in higher plants. 12- Respiration in plants. 13- Plant Growth Development 14- Breathing & exchange of gases	Parts of a compound microscope
2 ND		Slides, models and identification with reasons- Bacteria, mushroom, yeast etc.
3 RD		
4 TH		
1 ST	15- Body Fluids & Circulation 16- Excretory System 17- Locomotion & Movement 18- Neural Control & coordination 19- Chemical Coordination & Integration	Virtual specimen and identification features of amoeba hydra, honey bee, rabbit etc.
2 ND		Mitosis in onion root tip cells from permanent slides.
3 RD		
4 TH		
1 ST	REVISION	Human skeleton and different types of joints with the help of models.
2 ND		
3 RD		
4 TH		
1 ST	REVISION	
2 ND		
3 RD		
4 TH		
REVISION		
TERM – II EXAMINATION		

CHEMISTRY

MONTH	WEEK	CHAPTER	TOPIC	ACTIVITY
April	1st	Some basic concepts of chemistry	General introduction	
	2nd		Significant figure, Laws, atomic mass, molecular masses , mole concepts	
	3rd		Empirical formula Numericals	Practical
	4th	Structure of atom	Models	
May	1st		Dual nature of matter and light	
	2nd		Quantum number	
	3rd	Classification of elements	Classification of elements, general introduction	
	4th		General terms	Practical
June	Summer vacation			
July	1st	Chemical bonding	General terms And Lewis dot structure	
	2nd		Geometry of compounds, VSPER ,THEORYHYBRIDISATION	
	3rd		MOT AND , Hydrogen bonding	
	4th	Redox reaction	Redox reaction	
August	1st	Thermodynamics	General terms, 1st law of thermodynamics Heat capacity and specific heat capacity	Practical
	2nd		Hess law ,Enthalpy,Internal energy ,Numerical	
	3rd		2nd law of thermodynamics,Numerical	
	4th	Revision	3rd law of thermodynamics	

			Entropy Gibbs free energy.	
September	TERM - 1 EXAMINATION			
October	1st	Some basic concepts of organic chemistry	General introduction Nomenclature	Practicals
	2nd		Resonance effect, electromeric effect, inductive effect, Hyperconjugation effect General terms General introduction Alkane Alkene and alkyne	
	3rd			
	4th			
November	1st	Hydrocarbons	Aromatic hydrocarbon	Practicals
	2nd	Equilibrium	Chemical equilibrium Ionic equilibrium	
	3rd		Numerical, handerson equation, solubility product	
	4th			
December	Revision			
January February	Revision			
March	TERM - 2 EXAMINATION			

ENGLISH SYLLABUS BIFURCATION

Months	WEEK	Grammar	Writing Skills	Snapshot	Hornbill	Activity
APRIL	1st	<u>4 .Integrated Grammar.Tense</u> <u>Excercise and editing task.</u>	3. Poster making	1..Introductio n syllabus and blueprint discussion.	2. The portrait of lady	.
	2nd					
	3rd					
	4th					
MAY	1st		1.Note Making Speech writing	4. The summer of the beautiful white horse.	2. A Photograph(poem) 3. We are not afraid to die - if we can all be together.	
	2nd					
	3rd					
	4th					
JUNE	SUMMER VACATION					
JULY	1st	3. Grammar gap filling	4. .Advertisment: Classified - Situation vacant /wanted	—	1.Discovering Tut:The Saga Continues 2. The laburnum top(poem)	
	2nd					
	3rd					
	4th					
AUGUST	1st	4. Transformation of sentences,Narration	1.Advertisment: To let ,Property for sale	2. The address	3.The voice of the rain(poem)	
	2nd					
	3rd					
	4th					
SEPTEMBER	TERM -1 EXAMINATION					
OCTOBER	1st	4.Clauses ,types of clauses	3 .Advertisment : Tour and travels,lost and found	1 .Mother’s day	2. The adventure	
	2nd					
	3rd					
	4th					
NOVEMBER	1st	4.Transformation of sentences. Integrated grammar excercise	4. Advertisment:Change of time / person/items/things 1.Debate writing	1.Birth 3.The tale of melon city	2.Silk road 3. Silk road 2.Father to son	
	2nd					
	3rd					
	4th					
DECEMBER	1st	REVISION				
	2nd					
	3rd					

	4th	
JANUARY	REVISION	
FEBRUARY	REVISION	
MARCH	TERM -2 EXAMINATION	

MATHEMATICS

TEXT BOOK : NCERT MATHEMATICS

Months	WEEK	UNITS	ACTIVITY
APRIL	1	1.Sets 2. Relation and Functions	
	2		
	3		
	4		
MAY	1	3.Trigonometric Functions	Verify the trigonometric Identities
	2		
	3	4.Complex Number and Quadratic Function 5.Linear Inequalities	
	4		
JUNE	SUMMER VACATION		
JULY	1	6.Permutations and Combinations	Exploring arrangements and selection with coloured blocksPascals triangle to expand binomial expressions
	2	7.Binomial Theorem 11.Introduction to three Dimensional Geometry	
	3		
	4		
AUGUST	1	9.Straight Lines	
	2		
	3		

	4		
SEPTEMBER	TERM -1 EXAMINATION		
OCTOBER	1	10.Conic Section 13.Statistics 12.Limit and Derivatives	
	2		
	3		
	4	14.Probability	To find experimental probability of unit’ s digits of telephone numbers listed on a page selected at random of a telephone directory.
		8.Sequence and Series	Students can be given a sequence of numbers and ask to find the pattern and predict the next few terms.
NOVEMBER	1		
	2(15 th nov)	Elements Mathematics	
	3	Worksheet	REVISION and Test series
4			
DECEMBER	REVISION and Test Series		
JANUARY			
FEBRUARY			
MARCH	TERM -2 EXAMINATION		

Fine Arts
Book name - Panaromic history of arts

Months	Week	Topic	Book work	Acrtivity
APRIL	1	Introduction of art	·Ch-1. (Art an Indtroduction , Fundamental of arts	How to make a composition
	2	Composition painting		
	3	Shadangas		
	4	Fundamental of arts		
MAY	1	Origin of Art	Ch-2 Prehistoric Rock Painting Ch-3 Art of Indus Valley civilisation	Human anatomy
	2	Ch-2		
	3	Ch-2 Caves of bhimbetka and artworks		
	4	Human anatomy Ch-3 Art of Indus Valley civilisation		
JUNE	Summer vacation			
JULY	1	Ch-4 Art during Mauryan period	Ch-4 Art during Mauryan , Shunga , Kushan and gupta period	· portrait
	2	Art during shunga period		
	3	Art during Kushan and gupta period		
	4	How to make the portrait		
AUGUST	1	ch-5 The art of Ajanta caves	Ch-5 The art of Ajanta caves	Advertisement
	2	The art of Ajanta caves (painting		
	3	Poster design (Asvertismemt and commercial		
	4			
SEPTEMBER	TERM - 1 EXAMINATION			
OCTOBER	1	Indian temples	Ch-6 Indian temples	Pencil sketching
	2	Study of Famuous temples	Ch-7 Indian sculptures	

NOVEMBER	3	Indian sculptures	Ch-8 Indo- islamic architecture	File decoration
	4			
	1	Ch-8 Indo - islamic Architecture		
	2			
	3	File decoration		
	4			

DECEMBER	1	Resvision
	2	
	3	
	4	
JANUARY	1	Revision
	2	
	3	
	4	
FEBRUARY	REVISION	
MARCH	TERM -2 EXAMINATION	

PHYSICAL EDUCATION

Sub

- 11th music

MONTHS	WEEK	CHAPTERS		ACTIVITY
APRIL	1 ST	UNIT - 1 Management of Sporting Events		Hand ball
	2 ND			
MAY	3 RD	UNIT - 8 Biomechanics and Sports		Volley ball
OCTOBER	1 ST	UNIT - 9 Children And Women in Sports		Hand ball
	2 ND			
MAY	3 RD	UNIT - 10 Yoga as Preventive measure for Lifestyle Disease		Volley ball
NOVEMBER	4 TH	UNIT - 10 Yoga as Preventive measure for Lifestyle Disease		Volley ball
	1 ST			
JUNE	2 ND	SUMMER VACATION		
Months	WEEK	Writing Skills	Activity	
DECEMBER	1 ST	●■■■■	UNIT - 4	REVISION
Practical	2 ND	*■■■■	Physical Education & Sports for (CWSN)	*■■■■
JANUARY	3 RD	*■■■	UNIT -5	REVISION
FEBRUARY	4 TH	*■■■■■■	Sports & Nutrition	REVISION
MARCH	1 ST	UNIT -6		TERM – I EXAMINATION
MAY	2 ND	*■■■	Test and Measurement in Sports	*■■■
	3 RD	*■■■■	UNIT - 7	Practical
	4 TH	■■	Physiology & Injuries in Sports	
SEPTEMBER		SUMMER VACATION		
JULY	1st	*■■■		*■■■■■■
	2nd	*■■■■■■		Practical
		*■■■■■■		

	3rd	*□□□□□□□□□□	
	4th		
AUGUST	1st	*□□□□□	*□□□□□
	2nd	*□□□□□□	*□□□□□□
	3rd	*□□□□□□ □ □□□□ □□□□□	Practical
	4th	*□□□□	
		*□□□ □□□□□	
SEPTEMBER	TERM -1 EXAMINATION		
OCTOBER	1st	*□□□□□	□□□□□
	2nd	*□□□□□□	Practical
	3rd	*□□□□□□	
	4th	*□□□□□□ □□□□□□ □□□□□□□□	
NOVEMBER	1st	*□□□□□□ □□□□□□□ □□□□□□□	□□□□□
	2nd		Practical
	3rd		
	4 TH		
DECEMBER	1st	*□□□□□□□□	□□□- □□□□□□
	2nd	*□□□ - □□□□□□□□□	Practical
	3rd		
	4th		
JANUARY	1st	* □□□□□	*□□□-□□□□□
	2nd	* □□□-□□□□□	Practical
	3rd		
	4th		
FEBRUARY	REVISION		
MARCH	TERM -2 EXAMINATION		

