

DAV PUBLIC SCHOOL  
PROFESSOR COLONY, YAMUNANAGAR

CLASS : XI

SUBJECT: PHYSICS

TEACHER: SANJEEV KUMAR

MONTH	WORKING DAY	CONTENTS	EXPERIENTIAL LEARNING ACTIVITIES ( Chapter wise)	ART INTEGRATED ACTIVITIES
APRIL	15	Unit 1 - Physical world and Measurement	Distance measurement through direct and indirect method	
MAY	18	Unit 2 - Kinematics	Graphical representation	
UT-1 (MAY)				
JULY	18	Unit 3 - Laws of motion Unit 4 - Work, Power and Energy	Demonstration of inertia and laws of motion, collision	Friction related diagrams
UT-2 (JULY)				
AUGUST	23	Unit 5 - Rotational motion Unit 6 - Gravitation	To determine center of mass and center of gravity of different bodies	
Term-1 Syllabus (60%) to be completed by 15 <sup>th</sup> August				
SEPTEMBER	10	EXAMINATION		
OCTOBER	21	Unit 7 - States of Matter	Modes of transfer of heat, Capillary action	Stress Strain curve
NOVEMBER	20	Unit 8 - Thermodynamics Unit 9 - Kinetic theory of gases	To demonstrate Heat engine	Graphical representation
DECEMBER	26	Unit 10 - Oscillations and waves + REVISION	Damped and undamped oscillations, forced and	Practical demonstration of simple pendulum

			free oscillations and resonance	
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Annual Exams Syllabus to be completed by 31<sup>st</sup> December 2021

January - Revision + UT 4

February & March – Revision + Exams

DAV PUBLIC SCHOOL  
PROFESSOR COLONY, YAMUNANAGAR

CLASS : XI

SUBJECT: PHYSICAL EDUCATION

TEACHER: DEVENDER SINGH

MONTH	WORKING DAY	CONTENTS	EXPERIENTIAL LEARNING ACTIVITIES ( Chapter wise)	ART INTEGRATED ACTIVITIES
APRIL	15	UNIT 1 CHANGING TREND AND CAREER IN PHYSICAL EDUCATION.		
MAY	18	UNIT 2 OLYMPIC VALUE EDUCATION. UNIT 3 PHYSICAL FITNESS, WELLNESS AND LIFE STYLE .		
UT-1 (MAY)				
JULY	18	UNIT 4 PHYSICAL EDUCATION AND SPORTS FOR CWSN. UNIT 5 YOGA		
UT-2 (JULY)				
AUGUST	23	UNIT 6 PHYSICAL ACTIVITY AND LEADERSHIP TRAINING. UNIT 7 TEST MEASUREMENT AND EVALUATION.		
Term-1 Syllabus (60%) to be completed by 15 <sup>th</sup> August				
SEPTEMBER	10	EXAMINATION		
OCTOBER	21	UNIT 8 FUNDAMENTALS OF ANATOMY , PHYSIOLOGY, KINESIOLOGY IN SPORTS		
NOVEMBER	20	UNIT 9 PSYCHOLOGY AND SPORTS		

DECEMBER	26	UNIT 10 TRAINING AND DOPING IN SPORTS .		

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DAV PUBLIC SCHOOL  
PROFESSOR COLONY, YAMUNANAGAR

CLASS : XI

SUBJECT: MATHEMATICS

TEACHER: ABHISHEK

MONTH	WORKING DAY	CONTENTS	EXPERIENTIAL LEARNING ACTIVITIES ( Chapter wise)	ART INTEGRATED ACTIVITIES
APRIL	15	CHAPTER 4 P.M.I CHAPTER 5 COMPLEX NUMBER	Prove different relation by using p.m.i	
MAY	18	CHAPTER 6 LINEAR INEQUALITIES CHAPTER 1 SETS CHAPTER 12 THREE DIMENSIONAL GEOMETRY	Solve linear inequalities by using graph	Sketching graph .
UT-1 (MAY)				
JULY	18	CHAPTER 2 RELATION AND FUNCTION CHAPTER 3 TRIGONOMETRIC FUNCTIONS	Graph of polynomial and TRIGONOMETRIC FUNCTIONS	Sketching graph
UT-2 (JULY)				
AUGUST	23	CHAPTER 7 PERMUTATIONS AND COMBINATION CHAPTER 8 BINOMIAL THEOREM		
Term-1 Syllabus (60%) to be completed by 15 <sup>th</sup> August				
SEPTEMBER	10	EXAMINATION		
OCTOBER	21	CHAPTER 9 SEQUENCE AND SERIES CHAPTER 10 STRAIGHT LINE	Equation of line in different forms	
NOVEMBER	20	CHAPTER 11 CONIC SECTION CHAPTER 13 LIMITS AND DERIVATIVE	Match up activity	

DECEMBER	26	CHAPTER 14 CHAPTER 15 STATISTICS CHAPTER 16 PROBABILITY	Total outcomes of coins , die and cards	

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DAV PUBLIC SCHOOL  
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CLASS : XI

SUBJECT: Biology

TEACHER: Neeraj Rai

MONTH	WORKING DAY	CONTENTS	EXPERIENTIAL LEARNING ACTIVITIES ( Chapter wise)	ART INTEGRATED ACTIVITIES
APRIL	15	Chapter :The Cell Chapter cell cycle and cell division	Match Corelate Padlet	Diagrams Paper craft Role play Model making
MAY	18	Chapter Biomolecules Chapter Morphology of flowering plants Chapter Anatomy of flowering plants	Bingo Match up activity Match Quiz	Model making with waste material or clay Role play Clay model
UT-1 (MAY)				
JULY	18	Chapter - Structural organisation in animals Chapter Digestion and absorption Chapter Breathing & exchange of gases	Padlet Match Quiz Bingo	Diagrams Craft work using beads, or some other material Role play
UT-2 (JULY)				
AUGUST	23	Chapter : Body fluids & Circulation Chapter : Excretory products & their elimination Chapter : Locomotion & movement	1 mind map 2. Match up activity	Sketching Diagrams Slide share
Term-1 Syllabus (60%) to be completed by 15 <sup>th</sup> August				
SEPTEMBER	10	EXAMINATION		
OCTOBER	21	Chapter : Neural control		Role play

		Chapter Chemical coordination	Mind map Match Bingo	Diagrams Ppt
NOVEMBER  UT -3	20	Unit Diversity in living organisms (4 chapters)	Padlet Locate Quiz	Role play Painting Poem
DECEMBER  January	26	Unit Plant physiology (5 chapters)  Revision + preboard	Padlet Match Concept map Cycles	Diagrams Model

Annual Exams Syllabus to be completed by 31st December 2021



DAV PUBLIC SCHOOL  
PROFESSOR COLONY, YAMUNANAGAR

CLASS: XI SUBJECT: ENGLISH

TEACHER; VANDNA SHARMA

MONTH	WORKING DAY	CONTENTS	LEARNING ACTIVITIES (Chapter wise)	ART INTEGRATED ACTIVITIES
APRIL	15			
MAY	18	Book Hornbill - Ch.1 The Portrait of a lady Poem.1 A Photograph Ch.2 We're not afraid to.. Poem2 The Laburnum Top Writing Skills: Notice, Poster. And ASL activities.)	*Discussion, debate, etc. * to think critically and try to provide solution/suggestions. * Locate sequence of ideas, events and identify the main idea. * Raise questions based on their understanding use ICT to collect information for project  *Videos, ppts, sharing examples from day to day life *Roleplay activity *post-reading activity **Quizzes *Word game *'Guess who am I'(lit.)	*Concept maps and Mind maps(lit.) *Videos *Anki cards for vocabulary and themes of the chapters ( lit.) *Ppt/slideshow *Mini dictionary * Music- songs( poetic devices) *Infographic making- sketches, drawing, painting Arts Exhibition  Photography Slideshow/ PPTs Paper Quilling/ Papier Mache/ Beads/ Grains etc. Designing through Photoshop / and other Apps Sketching Sculpture / Clay Modeling Dance Performance

			<p>*Match( The portrait of..)  *( Word of the day)  *Scattergories(We are not...)  * padlet.com- format and coherence of writing skills</p>	<p>Creating Art Reservoir using waste material  Beautifying room/ space/ building  Choreography  Brochure/Flyer /Document Making  Musical  Presentation of any form</p> <p>Culinary Art  Textile Designing  Cartooning  Infographic  Making  Talks/ Lectures on Art</p>
<p>UT-1  (MAY)</p>				
<p>JULY</p>	<p>18</p>	<p>Book Hornbill  Ch.3. Discovering Tut  Ch.4 Landscape of the soul  Poem 3 The Voice Of The Rain  Book-Snapshots  Ch.1 The Summer Of Beautiful...  Writing Skills: Letter ( Business, Order, Complaint</p>	<p>*Videos, ppts, sharing examples from day to day life to sensitize the students towards ethics, value, meditation and environment-Reduce, Reuse and recycle. to think critically and try to provide solution /suggestions. Locate sequence of ideas, events and identify the main idea. Raise questions based on their understanding use ICT to collect information for project</p>	<p>Clay modelling, Drawing or experiences or opinions of the students about probe (Sushant Rajput's case), art (best out of waste), things of beauty or bounties of nature.</p>

UT-2 (JULY)				
AUGUST	23	Book-Snapshots: Ch.2 The Address Ch.3 Ranga's Marriage Writing Skills: Speech ASL activities Invitation and Replies.	Importance of home and precious things/effects of war adoption of new and positive ideas padlet Locate sequence of ideas, events and identify the main idea.	beautification of the home, cultures/tradition and different ceremonies of marriage function.  *ASL activities- Skippy APP ( Ted Talks, motivational and educational videos and speeches)
Term-1 Syllabus (60%) to be completed by 15 <sup>th</sup> August				
SEPTEMBER	10	Book-Hornbill Ch.5 (The Ailing Planet) Poem 4 Childhood and EXAMINATION	To use blue bin and green bin.	Drawings, Pictures of different parts of Earth ( comparative study) and of Childhood and personal experiences.
OCTOBER	21	Book-Hornbill Ch.6 (The Browning Version) Ch.8 ( Silk Road) Literature: *Book Hornbill: Poem 5. Father To Son Grammar Omissions, Determiners Advertisements *Article Writing	*Roleplay activity *post-reading activity **Quizzes *Word game *'Guess who am I'(lit.) *Match	
NOVEMBER	20	Snapshots Ch.4 ( Albert Einstein..) Ch.5 ( Mother's Day) Ch.7 The Adventure *Letter to Editor ( suggestions/ opinions) *Report Writing *Grammar Modals, Clauses.	*Roleplay activity 'Guess who am I *post-reading activity	Pictures and interesting facts about Einstein. Humorous dialogthe use and examples from day to day life in family( comparison of Mother and father's routine.)

DECEMBER	26	Ch.7 ( Birth) Unseen passages *Book Snapshots: Ch.6. The Ghat Of the Only World Ch.8. The Tale Of Melon City *Classified Advertisements, *Job Application Change the voice Error Correction, Editing	Blame game Role Play Card game To evaluate and find the mistakes	Newspapers and Magazines Poetic devices( music0
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February & March – Revision + Exams

DAV PUBLIC SCHOOL  
PROFESSOR COLONY, YAMUNANAGAR

CLASS : XI

SUBJECT: Informatics Practices

TEACHER: Ms. Raman Ahuja

MONTH	WORKING DAY	CONTENTS	EXPERENTIAL LEARNING ACTIVITIES ( Chapter wise)	ART INTEGRATED ACTIVITIES
APRIL	15			
MAY	18	<p><b>UNIT IV-Database concepts and the Structured Query Language</b>            Database Concepts: Introduction to database concepts and its need, Database Management System. Relational data model: Concept of domain, tuple, relation, candidate key, primary key, alternate key, foreign key.            Advantages of using Structured Query Language, Data Definition Language, Data Query Language and Data Manipulation Language, Introduction to MySQL, Creating a database using MySQL, Data Types            Data Definition: CREATE TABLE, DROP TABLE, ALTER TABLE.            Data Query: SELECT, FROM, WHERE.            Data Manipulation: INSERT, UPDATE, DELETE.</p>	Practical Programs	PPT
UT-1 (MAY)				
JULY	18	<p><b>Introduction to Python</b>            Basics of Python programming, Python interpreter - interactive and script mode, the structure of a program, indentation, identifiers, keywords, constants, variables, types of operators, precedence of operators, data types, mutable</p>	Practical Programs	

		and immutable data types, statements, expressions, evaluation and comments, input and output statements, data type conversion, debugging.  Control Statements: if-else, for loop		
<b>UT-2 (JULY)</b>				
<b>AUGUST</b>	23	Lists: list operations - creating, initializing, traversing and manipulating lists, list methods and built-in functions.: len(), list(), append(), extend(), insert(), count(), find(), remove(), pop(), reverse(), sort(), sorted(), min(), max(), sum() Dictionary: concept of key-value pair, creating, initializing, traversing, updating and deleting elements, dictionary methods and built-in functions: len(), dict(), keys(), values(), items(), get(), update(), clear(), del()	Practical Programs	
Term-1 Syllabus (60%) to be completed by 15 <sup>th</sup> August				
<b>SEPTEMBER</b>	10	<b>EXAMINATION</b>		
<b>OCTOBER</b>	21	Unit 3: Data Handling using NumPy Data and its purpose, importance of data, structured and unstructured data, data processing cycle, basic statistical methods for understanding data - mean, median, mode, standard deviation and variance. Introduction to NumPy library, NumPy arrays and their advantage, NumPy attributes, creation of NumPy arrays; from lists using np.array(), np.zeros(), np.ones(), np.arange() , indexing, slicing, and iteration; concatenating and splitting array; Arithmetic operations on one dimensional and two dimensional arrays. Calculating max, min, count, sum, mean, median, mode, standard deviation, variance on NumPy arrays	Practical Programs	

NOVEMBER	20	<p>Unit 1: Introduction to Computer System Introduction to computer and computing: evolution of computing devices, components of a Computer System and their interconnections, Input/Output devices.</p> <p>Computer Memory: Units of memory, types of memory – primary and secondary, data deletion, its recovery and related security concerns.</p> <p>Software: purpose and types – system and application software, generic and specific purpose software.</p>		Sketching PPT
DECEMBER	26	<p>Introduction to the Emerging Trends Artificial Intelligence, Machine Learning, Natural Language Processing, Immersive experience (AR, VR), Robotics, Big data and its characteristics, Internet of Things (IoT), Sensors, Smart cities, Cloud Computing and Cloud Services (SaaS, IaaS, PaaS); Grid Computing, Block chain technology.</p>		Sketching PPT Infographic Work

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CLASS : XI

SUBJECT: Chemistry

TEACHER Geetanjali

MONTH	WORKING DAY	CONTENTS	EXPERIENTIAL LEARNING ACTIVITIES (Chapter wise)	ART INTEGRATED ACTIVITIES
APRIL	15	Structure Of atom	Block Activity of Elements Practice sheet	Chart Infographic
MAY	18	Structure Of atom Classification of Elements & Periodicity	Fish Bowl activity Practice sheet	Infographic
UT-1 (MAY)		Structure of atom		
JULY	18	Chemical Bonding & Molecular structure States Of matter	Fish Bowl activity	Sketching & Graphical Infographic
UT-2 (JULY)		Chemical Bonding		
AUGUST	23	Thermodynamics Redox Reactions	Matchup Activity	Infographic
Term-1 Syllabus (60%) to be completed by 15 <sup>th</sup> August				
SEPTEMBER	10	Hydrogen	Matrix	Chart Infographic
OCTOBER	21	S & P Block Elements	Block activity	Infographic
NOVEMBER	20	Organic Chemistry -1	Pro - Con Grid activity	Infographic
DECEMBER	26	Hydrocarbons Equilibrium	Practice sheet of Reactions	Infographic

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