

DAV PUBLIC SCHOOL, KOTA
STANDARD - XII
SESSION: 2021-22
PROJECT / HOLIDAY WORK

S. No.	Class Groups	Groups (Roll No. wise)	Subject	Topics
1	(For All Sci. & Comm. Students			
	Group 1 & Group 5	Roll No. 1 to 10	English - 301	Grp.1 & Grp.5- MAKE AN IMPRESSIVE PPT ON FIGURES OF SPEECHES REFERING THE CHAPTERS IN
		Roll No. 41 to 50		THE SYLLABUS(a)HYPERBOLE(b) IRONY(c) PARADOX(d)SARCASM(AT LEAST 4 EXAMPLES)
	Group 2	Roll No - 11 to 20		Grp.2- PREPARE A PPT ON SKETCH OF M.HAMEL'S CLASSROOM SCENE.
	Group 3	Roll No - 21 to 30		Grp.3- PREAPARE AN AUDIO N VIDEO FOR ASL (BOARD ACTIVITY) OF ONE OF THE TOPICS OF
				YOUR OWN CHOICE.A SEPERATE GOOGLE FORM WILL BE SENT TO YOU FOR THIS
				PURPOSE.
				OR PREPARE A PRESENTATION ON ANY ONE OF THE FOLLOWING KEEPING QUIET
				OR MY MOTHER AT 66.
	Group 4	Roll No - 31 to 40		Grp.4 & Grp.6 PREPARE A PRESENTATION ON IMPORTANCE OF LISTENING AND LISTENING SKILLS.
	& Group 6	Roll No. 51 to 63		OR YOU ARE PROTAGONIST SAHEB E ALAM,CREATE A DILOGUE WITH ANEES JUNG.
2	All Physics Students		PHYSICS - 042	COMPLETE ACTIVITY FILE FOR CBSE BOARD
3	All Chemistry Students		CHEMISTRY - 043	
	Group 1	Roll No - 1 to 10	(Investigatory Projects)	Grp1. To determine whether granular activated charcoal is most effective in removing organic pollutants
			(As per CBSE Board)	than charcol OR To analyse various brands of Honey for the presence of different minerals and
				carbohydrates in them.
				OR Different Electrochemical cells
				OR Coordination Compounds
	Group 2	Roll No - 11 to 20		Grp2. To measure the Growth rate of the Crystal as a function of temperature.
				OR. To study the various amount of Starch Production in the Ripening of fruits
				OR Crystal Structures
				OR Anilinic Compounds
	Grp 3	Roll No - 21 to 30		Grp3. To study the effect of size of particles on the rate of diffusion of solids in liquids
				OR To study the contents and toxicity levels of various brands of Energy drinks avaliable in the market.
				OR Phenolic Compounds
				OR Corrosion and it's implications
	Grp 4	Roll No - 31 to 40		Grp.4. ANTI FREEZE- Finding and testing of a Non- toxic Antifreeze
				OR To study the different Osmotic Pressure values exerted by various solutes having different
				molecular mass on Water.
				OR Surface chemistry and its chemical applications
				OR Biomolecules and their importance in Chemistry
4	All Mathematics Students		MATHEMATICS -041	Following 10 Activities are to be done in Maths Lab manual
				(1)To verify that the relation R in the set L of all lines in the plane, defined by $R=\{(l,m) : l \text{ is perpendicular to } m\}$ is symmetric but neither reflexive nor transitive.
				(2)To verify that the relation R in the set L of all lines in a plane , defined by $R=\{(l,m) : l \text{ is parallel to } m\}$ is an equivalence relation.
				(3)To establish a relationship between common logarithm (base10) and natural logarithm (base e)of a number x.
				(4)To find analytically the limit of a function f(x) at $x=c$ and also to check the continuity of the function at that point
				(5)To verify Roller's Theorem.
				(6)To verify Langrange's Mean Value Theorem.

				(7)To understand the concepts of local maxima , local minima and point of inflection.
				(8)To verify that angle in a semicircle is a right angle , using vector method.
				(9)To find the distance of given point (in space) from a plane (passing through three non collinear points) by actual measurement and also analytically.
				(10)To explain the computation of conditional probability of a given event A when event B has already occurred through an example of throwing a pair of dice.
5	All Appiled		Applied MATHS -241	Do Any Three practicals using the spreadsheet (Practical: Use of spreadsheet-graph ,tables ,chart s, formula
	Maths Students			(1)Plot the graphs of functions on excel and study the graph to find out the point of
				(2)Probability and dice roll simulation
				(3)Matrix multiplication and the inverse of a matrix
				(4)Collect the data on weather, price, inflation, and pollution analyze the data and make meaningful inferences
				(5)Collect data from newspapers on traffic, sports activities and market trends and use excel to study future trends
				(6)To study the impact of COVID-19 on prices, stocks and food consumption among low income households
				Any One projects
				(1)Logarithms for financial calculations such as interest, present value, future value, profit/loss etc. with large value
				(2)*Prepare a questionnaire to collect information about money spent by your friends in a month on activities like travelling, movies, recharging of the mobiles, etc. and draw interesting conclusions
				(3)Check out the local newspaper and cut out examples of information depicted by graphs. Draw your own conclusions from the graph and compare it with the analysis given in the report
				(4)Analysis of population migration data – positive and negative influence on urbanization
				(5)Each day newspaper tells us about the maximum temperature, minimum temperature, and humidity. Collect the data for a period of 30 days and represent it graphically. Compare it with the data available for the same time period for the previous year
				(6)Analysis of career graph of a cricketer (batting average for a batsman and bowling average for a bowler). Conclude the best year of his career. It may be extended for other players also – tennis, badminton, athlete
				(7)Vehicle registration data – correlating with pollution and the number of accidents
				(8)Choose any week of your ongoing semester. Collect data for the past 10 – 15 years for the amount of rainfall received in KOTA during that week. Predict the amount of rainfall for the current year
				(9)Weather prediction (prediction of monsoon from past data)
				(10)Visit Kirana shops near your home and collect the data regarding the sales of certain commodities over a month. Try to figure out the stock of a particular commodity which should be in the store in order to maximize the profit
6	All Biology Students		Biology- 044	Project Work and Lab Manual as discused by Subject Teacher.
7	All Computer Sc. Students		COMPUTER SCIENCE - 083	1. Revision of Python topics that are covered in Class XI to develop basic computational thinking and programming. 2. Create any 10 Python programs using different data types, lists and dictionaries. OR Surf the internet and make mini project using Python programming language and save the project source code into the hard drive or pen drive or Google drive.

8	All Informatics Pract. Students		INFORMATICS PRACTICES - 065	1. To design Power Point Presentation of Pandas and Matplotlib in Python. 2. Create Python programs using different data types, lists and dictionaries. OR Surf the internet and make mini project using Python programming language and save the project source code into the hard drive or pen drive or Google drive.
9	All Physical Edu. Students		Physical Edu. - 048	1.Describe the Various Committees for the organization of sports event.
				2.Explain pre, during and post responsibilities of various committees.
				3.Draw a well labelled diagram of field and Equipements(Rules,terminologies and skills)of any one game of your choice out of the following games-
				Basketball , Football, Kabbadi,Kho- Kho, Volleyball, Handball,Hockey, Cricket, Bocce and Unified
				Basketball.
				[CWSN(Children with special needs)]
				4.Prepare a PPT of Aapher youth fit,ness test administration for all items and also write in detail with proper pics and diagram of each items :-
				a.)Bent knee sit ups for boys
				b.)Modified pushups for girls
				c.)Standing Broad jump
				d.)50 yard dash run
				e.)600 yard run walk
				f.)sit and reach test
				g.)Partial curl up
				h)4×10 m Shuttle Run
				Note:- All work should be done in a separate Notebook.
10	All Accountancy Students	Group 1 Roll No 1 TO 10	Accountancy- 055	Develope a case study of NPO by beginning with primary motive of establishing it,Including why it was decided to open a Library or a Hospital.Prepare different accounts of Not-For-Profit organisation and their income source and Role of Government in their financial assistance.
		Group 2 Roll No.11 to 20		On the basis of case study of NPO,Give details about the sourse of Capital Fund,; Subscription,; Donations; other receipt and payments of your NPO as well as outstanding expenses, pre-paid expenses, Subscription due, Subscription advance, Purchase of fixed assets and depreciation charged and legacy received.
		Group 3, Roll No ,21 TO 30		From the case study developed (Which should have at least 15 transactions).Pass the Journal entries and post them into the ledger .Prepare Trial Balance, prepare NPO's cash book / Receipt and payment A/C, it's income and Expenditure a/c
		Group-4 Roll no - 31 to 40		Prepare a case study of (250to 300 words) based on the selected company of Sole propreitership based on the selected business Past journal entries, Ledge , Trail Balance, Trading A/C, Profit and Loss A/C and balance sheet
		Group- 5 Roll no - 41 onwards		Develop a case study of a sports club as an NPO by beginning withprimary motive why you open the club. And what are the sources of income of club and treatment of consumable items and use of funds - in form of sports fund, tournament funds. Show the specimen of their accounts
11	All Business Std. Students		Business Std.-054	MAKE A PROJECT ON
	Grp 1	12F01 to 12 F10		Take the case of any 2 companies, visit them virtually and make a list of their Organisational objectives,
				Social objectives and personal objectives.
	Grp2	12F11 to 12F20		Visit any one company virtually, observe the application of the general principles of management advocated by Fayol.
	Grp 3	12F21 to 12F30		Visit any one company virtually, observe the application of the Scientific management of F.W. Taylor.
	Grp 4	12F31 to 12F40		Visit any company virtually, enquire into the application of scientific management techniques by F.W.Taylor.

	Grp 5	12F41 to 12F50		Changing Role of Women in the past 25 years.
	Grp 6	12F51 Onwards		Changes witnessed over the last few years on mode of pacaging and its economic impact.
12	All Economics Students		Economics- 030	
	Group1	12F01 to 12 F10		1.With the help of Comic Book describe Money and Banking.
	Group2	12F11 to 12F20		2. Make a Collage showing the impact of Covid 19 on Poverty and Unemployment.Also write a project report.
	Group3	12F21 to 12F30		3.NEP in our education- Presentation on core emphasis of NEP2020,main aim of
				NEP2020 and new education system 2021.
	Group4	12F31 to 12F40		4.Make a power point presentation on Development Plan- India and its neighbour's.
	Group5	12F41 to 12F50		5.With the help of data,pictures etc explain the impact of Covid 19 on the GDP of the Indian economy
				and the world's economy.
	Group6	12F51 Onwards		6.Do you think in our country health infrastructure got badly affected during Pandemic. Explain and
				quote with examples.
13	All Painting		Painting-049	1. Arrange two or three objects and draw a still life composition with colours.
	Students			2. Make a miniature painting of any Rajasthani Sub School.
				3. Draw an original landscape and colour it.
				4. Draw and colour one figure composition. (Original)
				All work should be done in half Imperial sheet