



D.A.V. POLICE PUBLIC SCHOOL

POLICE LINES, NARNAUL



Sr. No.	Subject	Unit Test - 1	Unit Test - 2	Half Yearly Exams	Unit Test - 3	Unit Test - 4	Final Exams / Periodic Tests	
1.	Science	1. The cell, its structure and functions 3. Metals and non-metals 7. Combustion	4. Force And Pressure 5. Friction 6. Sources of energy	1. The cell its structure and functions 2. Microorganisms friends or foes 3. Metals and non-metals 4. Force And Pressure 5. Friction 6. Sources of energy 7. Combustion	10. Refraction and dispersion of light 11. The human eye 12. Sound	14. Reproduction in animals 15. Reaching the age of adolescence 16. Electric Current and its Chemical Effects	1. The cell its structure and functions 2. Microorganisms friends or foes 3. Metals and non-metals 4. Force And Pressure 5. Friction 6. Sources of energy 7. Combustion 10. Refraction and dispersion of light 11. The human eye 12. Sound 13. Synthetic Fibres and Plastics 14. Reproduction in animals 15. Reaching the age of adolescence 16. Electric Current and Its Chemical Effects	
	Science Activities	1. (a) Prepare a temporary mount of onion peel and cheek cells. (b) Include a photocopy of your "vaccination chart" in PORTFOLIO. Prepare a "Survey report" on diseases for which vaccination is done in India. 2. Laboratory Demonstration by teacher on different physical and chemical properties of metals and non-metals. 3.(a) Use pictures/science toons to show different types of forces. (b) Lab activities to show relation of - (i) force and pressure (ii) pressure and area (c) Demonstration showing properties of liquid pressure. 5. (a) Collection of interesting facts to create Power Point Presentation on - (i) Methods to increase or decrease friction in day to day life. (ii) Advantages or disadvantages of friction (b) Demonstration of an activity to show that force of friction increases with increase in the weight of the body. (c) Graphical representation on Increase in cost of Petrol/ Diesel in last ten years. 6. (a) Activity showing different conditions required for combustion. (b) Survey-Visit a nearby petrol station and collect data for one month about number of vehicles that have undergone pollution check on each day of that month. 7. (a) Collect information on different types of fire extinguishers			1. Lab demonstration on refraction of light through a glass slab, glass prism and spherical lenses. 2. (a) Model of Human Eye using waste materials. (b) Survey on "Defects of vision". 3. (a) In a scrap file, paste pictures of different musical instruments and give information about their characteristics. (b) Power Point Presentation on "Cause and Enroot of Noise Pollution" and "Measures to be taken to minimise ill-effects of Noise Pollution." 4. (a) Make a doll using waste plastic materials(bottle caps, straws etc.) and adorn it using different types of synthetic fibres/fabrics. [Click its photograph and place it in the portfolio], (b) Draw posters and write slogans (self-created) on "Say NO TO Plastics" 5. (a) Write up on "Challenges faced by countries with over population". (b) Model on Life cycle of a frog. 6. (a) Poster making on "Say no to drugs". (b) Short film / Skit / Street play / video on 'Gender sensitization' 7. (a) To prepare a continuity tester to check conduction through liquids. (b) Demonstration of electrolysis of water.			
		IMPORTANT NOTE : The following six chapters of Science textbook will NOT be included for assessment in Annual Examination. However, they will be a mandatory part of the internal assessment. Carry out Multiple Assessment based on these chapters. Chapter 8: Conservation of Plants and Animals, Chapter 9: Crop Production and Its Management, Chapter 17: Stars and Solar System,						

		<p>and write about them in a scrap file with pictures of fire extinguishers.</p> <p>(b) Activities showing presence of wax vapours in the innermost zone of candle flame and unburnt particles of carbon in the luminous zone of the candle flame and to show that the non-luminous zone is the hottest part of a candle flame.</p> <p>8. (a) Spotting of different microorganisms - Amoeba, Spirogyra, Paramecium, Yeast, (either Slides / Photographs)</p> <p>(b) Make a model of plant cell/animal cell using waste materials.</p>			<p>Chapter 18: Earthquakes, Chapter 19: Pollution of Air, Chapter 20: Pollution of Water</p> <p>These chapters may be included in Internal Assessment as follows:</p> <ul style="list-style-type: none"> • Include questions from any two of these chapters in each of the periodic tests. • Give an Art Integration Activity or Interdisciplinary Project on topics from these chapters. 		
2.	Maths	<p>1.Squares and square roots</p> <p>2.Cubes and cube roots</p> <p>3.Exponents and radicals</p> <p>4.Direct and inverse variation</p>	<p>7. Algebraic identities</p> <p>10. Parallel lines</p> <p>13.Introduction to graphs</p> <p>14. Mensuration</p>	<p>1. Squares and square roots</p> <p>2. Cubes and cube roots</p> <p>3. Exponents and radicals</p> <p>4. Direct and inverse variation</p> <p>7. Algebraic identities</p> <p>10. Parallel lines</p> <p>13. Introduction to graphs</p> <p>14. Mensuration</p>	<p>5. Profit, Loss and Discount</p> <p>6. Compound Interest</p> <p>8.Polynomials</p> <p>9. Linear equations in one variable</p> <p>11. Understanding quadrilaterals</p>	<p>12.Constructions of quadrilaterals</p> <p>15.Statistics and Probability</p> <p>16.Rotational Symmetry</p>	<p>1 .Square and Square roots</p> <p>2. Cube and cube roots</p> <p>3. Exponents and radicals</p> <p>4. Direct and Inverse variation</p> <p>5. Profit, Loss and Discount</p> <p>6. Compound Interest</p> <p>7. Algebraic Identities</p> <p>8. Polynomials</p> <p>9. Linear equations in one variable</p> <p>10. Parallel lines</p> <p>11. Understanding quadrilaterals</p> <p>12. Constructions of quadrilaterals</p> <p>13. Introduction to graphs</p> <p>14. Mensuration</p> <p>15.Statistics and Probability</p> <p>16. Rotational Symmetry</p>
	Maths Activities	<p>1. Exploring triangular numbers using dot patterns</p> <p>2. Verify the algebraic identities using geometrical interpretation.</p> <p>3. Create a life history of any Indian mathematicians and his/her contribution in the field of mathematics (project or PPT).</p> <p>4. Activities based on properties of natural numbers to rational numbers.</p> <p>5. Role play on mathematical situation.</p> <p>6. Number patterns.</p> <p>7. Pythagorean triplet.</p> <p>8. Do a survey of your class and collect the data from all the students of your class who spend more than 4 hours in watching TV. Represent the collected data in the form of histogram by paper cuttings and pasting.</p> <p>9. List your unit 1 marks in various subjects in tabular form and convert the same in the form of a pie chart.</p>			<p>1. Calculate the surface area to be painted / white washed of each room of your house.</p> <p>2. Find number of tiles used in your bathroom along with their cost.</p> <p>3. Find capacity of water tank [cylindrical or cuboidal]. Estimate daily consumption of water in a household. Using it for how many days the water in the tank last.</p> <p>4. Mapping of your surroundings by making route maps having proper scale factor and different landmarks shown with appropriate symbols.</p> <p>5. Collect bill / cash memo for your recent shopping and calculate discount and G.S.T. (etc.) from it.</p> <p>6. A worksheet involving comparison of interest when it is compounded annually, semi-annually and quarterly for the same sum at the same rate and for the same time period making a decision which option is better in different situations.</p> <p>7. Reinforcement of special type of quadrilaterals and their properties using Frayer's model.</p> <p>8. Flowchart showing different types of quadrilaterals.</p> <p>9. Making a scrapbook of objects from our surroundings having different types of quadrilateral.</p>		

					10. Talk on anyone: a) use of maths in different fields. (b) Value of maths in your life. 11. Making 3D models of prism and pyramids using their nets and verifying / obtaining EULER'S formula for these solids.		
3.	Hindi	पाठ-1. हम पंछी उन्मुक्त गगन के—अनुस्वार, अनुनासिक, 'र' के रूप, नुक्ता, अपठित काव्यांश पाठ-2. असल धन—तत्सम, तद्भव, विराम-चिह्न और अपठित गद्यांश संवाद लेखन, पत्र लेखन, सूचना लेखन अभ्यास सागर पर आधारित अपठित काव्यांश, अपठित गद्यांश, लेखन इकाई पाठ के आधार पर	पाठ-3. अच्छे पड़ोसी के गुण— उपसर्ग, प्रत्यय पाठ-4. दोपहरी— अलंकार(अनुप्रास, उपमा, रूपक, मानवीकरण) अपठित काव्यांश अन्नुछेद लेखन, डायरी लेखन, संवाद लेखन, पत्र लेखन, सूचना लेखन अभ्यास सागर पर आधारित अपठित लेखन गद्यांश	पाठ-1. हम पंछी उन्मुक्त गगन के— अनुस्वार, अनुनासिक, 'र' के रूप, नुक्ता अपठित काव्यांश पाठ-2. असल धन—तत्सम, तद्भव, विराम-चिह्न और अपठित गद्यांश पाठ-3. अच्छे पड़ोसी के गुण— उपसर्ग, प्रत्यय पाठ-4. दोपहरी—अलंकार(मानवीकरण, उपमा, रूपक, अनुप्रास) अपठित काव्यांश पाठ-6. आश्रम के अतिथि और संस्मरण— भाववाचक संज्ञा, अपठित गद्यांश पाठ-7. अन्याय के खिलाफ लड़ाई— वाक्यांश के लिए एक शब्द, वाक्य-शुद्धिकरण पाठ-8. दोहे—अलंकार(उत्प्रेक्षा, श्लेष, यमक, अतिशयोक्ति) अपठित काव्यांश पाठ-9. जब भोलाराम ने पंप लगाया— विशेषण, प्रविशेषण, अपठित गद्यांश पाठ-10. बातचीत की कला—संधि, स्वर संधि अन्नुछेद लेखन, डायरी लेखन, संवाद लेखन, पत्र लेखन, सूचना लेखन अभ्यास सागर पर आधारित अपठित गद्यांश, पठित काव्यांश, पठित गद्यांश	पाठ-13. सितारों से आगे—समास(तत्पुरुष, द्विगु, द्वंद्व) पाठ-14. बहू की विदा—रचना के आधार पर वाक्य भेद पाठ-15. कामचोर—समास(अव्ययीभाव, कर्मधारय, बहुव्रीहि) अन्नुछेद लेखन, डायरी लेखन, संवाद लेखन, पत्र लेखन, सूचना लेखन अभ्यास सागर पर आधारित	पाठ-18. निर्माण—अलंकार(पुनरावृत्ति) अपठित काव्यांश पाठ-19. जीवन का सच—व्यंजन संधि, अपठित काव्यांश अन्नुछेद लेखन, डायरी लेखन, संवाद लेखन, पत्र लेखन, सूचना लेखन अभ्यास सागर पर आधारित	पाठ-1. हम पंछी उन्मुक्त गगन के—अनुस्वार, अनुनासिक, 'र' के रूप, नुक्ता अपठित काव्यांश पाठ-2. असल धन—तत्सम, तद्भव, विराम-चिह्न और अपठित गद्यांश पाठ-3. अच्छे पड़ोसी के गुण—उपसर्ग, प्रत्यय पाठ-4. दोपहरी—अलंकार(मानवीकरण, उपमा, रूपक, अनुप्रास) अपठित काव्यांश पाठ-6. आश्रम के अतिथि और संस्मरण— भाववाचक संज्ञा, अपठित गद्यांश पाठ-7. अन्याय के खिलाफ लड़ाई— वाक्यांश के लिए एक शब्द, वाक्य-शुद्धिकरण पाठ-8. दोहे—अलंकार(उत्प्रेक्षा, श्लेष, यमक, अतिशयोक्ति) अपठित काव्यांश पाठ-9. जब भोगाराम ने पंप लगाया—विशेषण, प्रविशेषण, अपठित गद्यांश पाठ-10. बातचीत की कला—संधि, स्वर संधिपाठ-11 सितारों से आगे—समास (तत्पुरुष, द्विगु, द्वंद्व) पाठ-12. पौधे के पंख— निपात, अपठित गद्यांश पाठ-13. सूर और तुलसी के पद—अलंकार(पुनरावृत्ति) पाठ-14. बहू की विदा—रचना के आधार पर वाक्य भेद पाठ-15.कामचोर—समास(अव्ययीभाव, कर्मधारय, बहुव्रीहि) पाठ-17. सोना— व्यंजन संधि पाठ-18. निर्माण—अलंकार(पुनरावृत्ति) अपठित काव्यांश पाठ-19. जीवन का सच—व्यंजन संधि, अपठित काव्यांश पाठ-20 ईर्ष्या: तू न गईं मेरे मन से— अर्थ के आधार पर वाक्य भेद अन्नुछेद लेखन, डायरी लेखन, संवाद लेखन, पत्र लेखन, सूचना लेखन अभ्यास सागर पर आधारित
	Hindi Activities	1. तत्सम- तद्भव, विराम- चिह्न, अपठित गद्यांश 2. अलंकार(अनुप्रास, उपमा, रूपक, मानवीकरण 3. भाववाचक संज्ञा 4. विशेषण, प्रविशेषण 5. संधि, स्वर संधि			1. समास(द्विगु, तत्पुरुष, द्वंद्व) 2. रचना के आधार पर वाक्य भेद 3. व्यंजन संधि 4. निपात 5. अर्थ के आधार पर वाक्य भेद		

4.	English	Literature: Three Questions English Reader: Changing Times Grammar / English Practice Book: Tenses	Literature: Granny's Tree Climbing, Then Fun They Had English Reader: Compassionate Souls Grammar / English Practice Book: Narration	Literature: Three Questions, Granny's Tree Climbing, Then Fun They Had, Father's Help English Reader: Changing Times, Compassionate Souls Grammar / English Practice Book: Tenses, Narration, Subject-verb Agreement	Literature: The luncheon, the children's song English Reader: Enterprise Grammar / English Practice Book: clause and complex sentences, linkers	Literature: The Case of Sharp-Eyed Jeweller English Reader: Nature Grammar / English Practice Book: Active and Passive Voice	Literature: Three Questions, Granny's Tree Climbing, Then Fun They Had, The Luncheon, Father's Help, The Children's Song, The Case of Sharp-Eyed Jeweller English Reader: Changing Times, Compassionate Souls, Enterprise, Nature, Sports Grammar / English Practice Book: Tenses, Narration, Subject-verb Agreement Clause, Active and Passive Voice, Linkers, Non Finites, Complex sentences
	English Activities	<ol style="list-style-type: none"> Write the definition of Tense and its types Make a Chart on Modals Subject-Verb Agreement Narration 			<ol style="list-style-type: none"> Clause and Complex Sentences. Make a chart on Linkers. Active and Passive Voice. Make a Chart on Non-Finite. 		
5.	Social Science	<ol style="list-style-type: none"> Resources Utilisation and Development Natural resources - Land, soil and water. The Modern Period Our Constitution. 	<ol style="list-style-type: none"> Natural resources: Vegetation and wild life Mineral and energy Resources Establishment of company Rule India Colonialism: Rural and Tribal Societies. Fundamental Rights, 6.Fundamental Duties and Directive Principles of state Policy. 	<ol style="list-style-type: none"> Resources utilisation and development Natural resources - Land, soil and water The modern Period Our Constitution. Natural resources: vegetation and wild life Mineral and Energy Resources Establishment of company Rule in India Colonialism: Rural and Tribal Societies. Fundamental Rights, Fundamental Duties and Directive Principles of state Policy. The Union government: The Legislature 	<ol style="list-style-type: none"> Agriculture The first war of Independence - 1857 Impact of British Rule on India The Union government The Executive The Union government. The Judiciary. 	<ol style="list-style-type: none"> Manufacturing Industries. Human Resources Colonialism and Urban change. The nationalist movement (1870 to 1947) Social Justice and the Marginalised 	<ol style="list-style-type: none"> Resources: (Utilisation and Development) Natural Resources: Land, Soil and water Natural Resources : Vegetation and Wildlife Mineral and Energy Resources Agriculture Manufacturing Industries Human Resources The Modern Period Establishment of Company Rule in India Colonialism: Rural and Tribal societies The First War of Independence - 1857 Impact of British Rule on India Colonialism and Urban change The Nationalist Movement (1870 to 1947) India Marches Ahead Our constitution Fundamental Rights Fundamental Duties and Directive Principle of state policy The Union Government: The Legislature The Union Government: The Executive The Union Government: The Judiciary Social Justice and the Marginalised Safeguarding the Marginalised

	Social Science Activities	<p>1 Prepare a pictorial chart showing the classification of resources giving at least a suitable example of each category of resource.</p> <p>2. Collect Information and make a Chart some multipurpose River valley projects of India.</p> <p>3. Collect and paste on a chart popular slogans used during the freedom struggle of India.</p> <p>4. Make a tabular chart of the Carnatic wars, the Anglo- Maratha wars, the Anglo - Mysore wars and anglo-sikh wars.</p>		<p>1. Make a Model of different types of rock minerals.</p> <p>2. Make a chart of show on it different type on its differences and of crops.</p> <p>3. Prepare a chart of the teachings of Swami Dayanand</p> <p>4. Organise in a debate in the class which there students speak for and three against the topic - Union list, state list and Concurrent list.</p> <p>5. Make a chart world population distribution by continents.</p>			
6.	Sanskrit	<p>प्रथमः पाठः सुवचनानि द्वितीयः पाठः वसुधैव कुटुम्बकम्</p>	<p>तृतीयः पाठः अहं नदी अस्मि चतुर्थः पाठः क्षमस्व महर्षे!</p>	<p>प्रथमः पाठः सुवचनानि द्वितीयः पाठः वसुधैव कुटुम्बकम् तृतीयः पाठः अहं नदी अस्मि चतुर्थः पाठः क्षमस्व महर्षे! पञ्चमः पाठः दिव्या गीर्वाणभारती षष्ठः पाठः मधुराणि वचनानि अपठित-अवबोधनम्, पत्र लेखनम्, प्रत्तय, शब्द रूप व धातु रूप, चित्र वर्णनम्</p>	<p>सप्तमः पाठः सफलं तस्य जीवितम् अष्टमः पाठः क्रोधेन कार्यं न सिध्यति</p>	<p>नवमः पाठः अविश्वस्ते न विश्वसेत् दशमः पाठः गुणाः पूजास्थानम्</p>	<p>प्रथमः पाठः सुवचनानि द्वितीयः पाठः वसुधैव कुटुम्बकम् तृतीयः पाठः अहं नदी अस्मि चतुर्थः पाठः क्षमस्व महर्षे! पञ्चमः पाठः दिव्या गीर्वाणभारती षष्ठः पाठः मधुराणि वचनानि अपठित-अवबोधनम्, पत्र लेखनम्, प्रत्तय, शब्द रूप व धातु रूप, चित्र वर्णनम् सप्तम पाठ सफलं तस्य जीवितम् अष्टमः पाठः क्रोधेन कार्यं न सिध्यति नवमः पाठः अविश्वस्ते न विश्वसेत् दशमः पाठ गुणाः पूजास्थानम् एकादशः पाठ हितं मनोहारि च दुर्लभं वचः द्वादशः पाठः स्वाध्यायात् मा प्रमदः अपठित गद्यांशाः, पत्राणि, चित्रवर्णनम्, परिशिष्टम्, शब्दरूपाणि, धातुरूपाणि, सङ्ख्या</p>
	Sanskrit Activities	<p>1. वसुधैव कुटुम्बकम् पाठ के आधार पर पृथ्वी/ग्लोब का चार्ट पर चित्र</p> <p>2. क्षमस्व महर्षि पाठ के आधार पर स्वामी जी का चित्र बनाकर उनके व्यक्तित्व पर प्रकाश डालें</p>		<p>1. प्रत्तय व उपसर्ग का चार्ट बनाना</p> <p>2. धातु रूप यन्त्र बनाना</p> <p>3. शब्द रूप का चार्ट</p> <p>4. कारक परिचय का चार्ट</p>			