

**DRONACHARYA PUBLIC SCHOOL, MUBARIKPUR**

**SYLLABUS -2024-25**

**CLASS- 8<sup>th</sup> , Subject: Science**

**Name of Prescribed Book:** SCIENCE MARVEL

**Publication:** Indiannica Learning

<b>Month</b>	<b>Physics</b>	<b>Chemistry</b>	<b>Biology</b>	<b>Activities</b>	<b>Assignments /Project</b>
April	—	—	(1)Cell: structures and functions. (2) conservation of plants and animals.	To show the cell structure using onion peel under microscope.	<ul style="list-style-type: none"> <li>Identify and make a list of flora and fauna in your region.</li> <li>Make chart on the type of cells.</li> </ul>
May	—	(1) Material : metals and nonmetals.	(1)Microorganisms: Friends and foe.	<ul style="list-style-type: none"> <li>To show the metal are good conductor of heat and electricity</li> </ul>	<ul style="list-style-type: none"> <li>Make a chart on Plant cell and Animal cell.</li> </ul>
June	<b>Summer vacation</b>				
July	(1)Force and pressure	(1) coal and petroleum. (2) combustion and flame.	—	<ul style="list-style-type: none"> <li>To show that oxygen is necessary for combustion of a substance.</li> <li>To show that a combustible substance does not catch fire if its temperature is lower than its ignition temperature.</li> </ul>	<ul style="list-style-type: none"> <li>Prepare a project report on use of alternative sources of energy like solar energy ,wind energy and tidal energy.</li> </ul>
August	(1)Friction (2)Sound <b>Revision</b>	—	—	<ul style="list-style-type: none"> <li>To show that sound can travel through solid liquid and gas.</li> <li>To show that rolling friction is less than static friction.</li> </ul>	—
September	<b>Half yearly exam.</b>	—	(1) crop production and Management	<ul style="list-style-type: none"> <li>To separate good and healthy seeds from unhealthy ones.</li> </ul>	—
October	—	—	(1) reproduction in animals. (2) reaching the age of adolescence	—	<ul style="list-style-type: none"> <li>Lab visit to show the development of foetus in mother womb.</li> </ul>

			(3) pollution of air and water.		<ul style="list-style-type: none"> <li>• Make a chart on endocrine glands ,hormone secretion and their function.</li> <li>• Make a assignment on air pollution and their sources.</li> </ul>
November	1. Light 2. Chemical effect of electric current	—	—	<ul style="list-style-type: none"> <li>• To study the reflection of light from a plane mirror.</li> <li>• To verify first and second law of reflection.</li> <li>• To show that distilled water is a bad conductor of electricity.</li> </ul>	—
December	(1)Stars and solar system (2) synthetic fibres and plastic	—	—	<ul style="list-style-type: none"> <li>• To compare the tensile strength of different fibres of same thickness and same length.</li> </ul>	. —
January	(1) some natural phenomena	—	—	<ul style="list-style-type: none"> <li>• To show that like charge repel each other and unlike charge attract each other.</li> <li>• To show the transfer of charge from charged object to an uncharged object.</li> </ul>	—
February	<b>Revision for annual exam.</b>				
March	<b>Annual Exam</b>				

**DRONACHARYA PUBLIC SCHOOL, MUBARIKPUR**

**SYLLABUS -2024-25**

**CLASS- 8<sup>th</sup>. Subject: Social Studies**

**Name of Prescribed Book: Time Tales**

**Publication : Indiannica Learning**

<b>Month</b>	<b>History</b>	<b>Geography</b>	<b>Social and Political life</b>	<b>Activity</b>
April	When, Where and How (Ch-1)	Resources (Ch-1) Natural Resources – Land , Soil and Water (Ch-2)	Need for Laws (Ch-1)	Picture study, Project
May	Established of Company Power (Ch-2) Rural life and Society (Ch-3)	Natural vegetation and wildlife (Ch-3) (PT1)	The Constitution of India (Ch-2)	Project, Map work, Picture study, Group discussion
June	Summer Vacation			
July	Colonialism and Tribal Societies (Ch-4) Craft and Industries (Ch-5)	Mineral Resources (Ch-4)	Fundamental Rights and Duties (Ch-3) Directive Principles of State Policy (Ch-4)	Group discussion, Map work , Project, Picture study
August	Revolt of 1857 (Ch-6) Education and British Rule (Ch-7)	Power Resources (Ch-5)	Parliamentary Government (Ch-5)	Map work, Project, Picture study, Group discussion, Model
<b>September</b>	<b>S.A 1 Exam</b>			
October	Women and Reform (Ch-8) Challenge the Caste System (Ch-9)	Agriculture (Ch-6)	Union Executive (Ch-6)	Project, Map work, Picture study, Group discussion
November	Colonialism and Urban Change (Ch-10) Change in Arts, Painting, literature and Architecture (Ch-11)	Major Crops (Ch-7) (PT2)	The Judiciary (Ch-7)	Project, Map work, Picture study
December	The Indian National Movement (Ch-12) The Nationalist Movement:Gandhian Era (Ch-13)	Industries (Ch-8)	Criminal Justice System in India (Ch-8) Social Justice & the Marginalised (Ch-9)	Map work, Project, Picture study
January	Indian after Independence (Ch-14)	Human Resource (Ch-9) Disaster Management (Ch-10) (PT3)	Economics Presence of the Government (Ch-10)	Project, Map work, Picture study , Group discussion
February		Revision		
March		Final Exam		

**DRONACHARYA PUBLIC SCHOOL, MUBARIKPUR**

**SYLLABUS -2024-25**

**CLASS- 8<sup>th</sup> , Subject: Mathematics**

**Name of Prescribed Book: Startup Mathematics**

**Publication: Viva**

<b>Month</b>	<b>Chapters Name</b>	<b>Topics</b>	<b>Maths Lab Activity</b>	<b>Class Assignment</b>
April	1. Rational numbers 2. Exponents and powers	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Properties of rational numbers</li> <li>• Law's of exponents</li> <li>• Scientific (standard) notation</li> </ul>		Rational numbers and its operation, conceptual understanding
May	3. Squares and square root 4. Cubes and cube roots 5. Understanding Quadrilaterals PT1 Exams	<ul style="list-style-type: none"> <li>• Squares and square root,</li> <li>• Cubes and cube roots</li> <li>• Quadrilateral, parallelogram, Rectangle, Rhombus</li> </ul>	Magic Squares	Assignment on classification of quadrilateral Convex and concave polygon, classification of polygons, triangle angle sum property, quadrilaterals, convex concave quadrilaterals and their properties.
June	Summer vacations			
July	6. Algebraic expressions and identities 7. Factorisation of algebraic expressions 8. Linear equations in one variable	<ul style="list-style-type: none"> <li>• Addition, subtraction, multiplication and division of algebraic expressions</li> <li>• Factorization</li> <li>• Algebraic method</li> </ul>	To verify the identities by cutting and pasting	Polynomials ,degree of polynomial in one variable and two variable, constant linear, quadratic ,cubic.
August	9. Data Handling and probability Revision for T-1 Exams	<ul style="list-style-type: none"> <li>• Histogram ,bar graph ,pie chart</li> <li>• Probability</li> </ul>		
September	10. Comparing quantities	<ul style="list-style-type: none"> <li>• Percentage</li> <li>• Profit loss</li> <li>• Discount</li> </ul>	Calculating percentage and joining dots ,pair activity, comparison	Percent as a fraction, profit loss ,discount, tax , compound interest

		<ul style="list-style-type: none"> <li>• Sales tax</li> </ul>		,inverse problem on compound interest ,appreciation depreciation
October	11. Compound interest 12. Direct and inverse variations	<ul style="list-style-type: none"> <li>• Direct ,inverse variation</li> <li>• Time, Distance and Work</li> </ul>		
November	13. Visualising solid shapes 14. Mensuration	<ul style="list-style-type: none"> <li>• Polyhedron</li> <li>• Area of rectilinear figures</li> <li>• Surface area and volumes</li> </ul>	Finding the area of an irregular polygon and cylinder	Area and perimeter of plane figures, area of trapezium, area of polygon , volume of solids, surface area of cuboid cube,cylinder
December	15. Practical geometry 16. Introduction to graphs 17. Playing with numbers	<ul style="list-style-type: none"> <li>• Construction of quadrilateral</li> <li>• Axis system and linear graphs</li> <li>• Test of divisibility</li> </ul>		
January	PT3. Revision			
February	Revision for Final exam			
March	Exam			

**DRONACHARYA PUBLIC SCHOOL, MUBARIKPUR**

**SYLLABUS -2024-25**

**CLASS- 8<sup>th</sup> , Subject: English**

<b>Month</b>	<b>Literature Book</b>	<b>Grammar</b>	<b>Reading</b>	<b>Writing</b>
April	1. A Real Actor's Part : An Unsung Hero 2. A Trip to Mysore	1. Nouns 2. Pronouns 3. Sentences 4. Adjectives	Ch.28 The Coral Island	Notice Writing
May	3. Shed in Space 4 Princess September	5. Determiners 6. Articles	Ch. 29 Care Amidst Corona	Message Paragraph
June	Summer Holidays Homework Revision of first 4 lessons.	Holidays Homework Revision	Holidays Homework Ch 30 ,31 and 32	
July	5.Looking Back at Life PT-1 will be taken	7. Verbs 8. Agreement of Sub. and Verb 9. Non-Finite Verbs	Ch. 33 Rusty Makes New Friends Ch. 34 Rikki Tikki Tavi	Advertisement
August	6.The Way Through the Woods 7. Machli: An Extraordinary Tigress in the Wild	10. Tenses 11. Adverbs 12. Sentences	Ch. 35 Kamala Ch. 36 The Two Brothers	Story Writing Report Writing
September	Revision for Term 1	13. Prepositions 14. Conjunctions	Ch. 37 The Story Hat Spider Ch. 38 I am Sick !	Letter Email
October	8.Budhiya 9. The Purloined Letter PT-2 will be taken	15. Direct and Indirect Speech 16. Voice	Ch. 39 The Merchant of Venice	Essay and Biography
November	10.Goodbye Party for Miss Pushpa T. S 11.Land of the Incas	17. Phrases and Clauses 18. Relative Clauses		Book Review
December	12. I Like to Stay Up	19. Punctuation 20. Transformation and Synthesis		
January	Revision PT-3 will be taken			
February	Final Exam.			
March	Final Exam.			

**DRONACHARYA PUBLIC SCHOOL, MUBARIKPUR**  
**SYLLABUS -2024-25**  
**CLASS- 8<sup>th</sup> , Subject: Hindi**

**Name of Prescribed Book:**

**Publication:**

Month	Literature Book	Grammar	लेखन	अन्य क्रियाकलाप
April	1. वरदान(कविता) 2.घोसला (कहानी)	1. भाषा और व्याकरण 2. वर्ण - विचार 3. शब्द - विचार	अनुच्छेद लेखन सूचना लेखन	‘भाषा की उपयोगिता’ पर संभाषण
May	3. भारतीय वैज्ञानिक (लेख) 4. बात सुनो रे भाई! (कविता) एक यात्रा (पठन)	4. संज्ञा 5. शब्द - निर्माण : उपसर्ग, प्रत्यय , समास 6. शब्द भंडार	संवाद लेखन	देशवासियों के मन में आजादी की चिंगारी लगाने के लिए आप क्या क्या करते ?
June	ग्रीष्म कालीन अवकाश			
July	5.पिंकी की साइकिल(संस्मरण) 6. एक पेड़ जो चलने लगा (आत्मकथा)	7. संधि 8.संज्ञा के विकारक तत्व : लिंग , वचन, कारक	पत्र लेखन विज्ञापन रचना	अपने बचपन की साइकिल से संबंधित कोई याद साझा करें।
August	7. इतने ऊंचे ऊंठे (कविता) 8. सच्ची वीरता (निबंध) ए एलीफेंट विस्परर्स (पठन)	9.सर्वनाम 10.विशेषण	डायरी लेखन	वीरता पुरस्कार कब और किन्हें दिया जाता है?
September	अर्ध वार्षिक परीक्षा			
October	9.पहली गलती (कहानी) 10. खुरदरे पैर (कविता)	11.क्रिया 12.काल 13.वाच्य	निबंध लेखन	आपने जीवन में कोई गलती की हो जिसका बाद में आपको पछतावा हुआ।
Month	Literature Book	Grammar	Reading	Writing

November	11. छितकुल की यात्रा (फीचर) 12. पंच परमेश्वर (कहानी) संसार सुंदर है (पठन)	14.अव्यय 15.पद - परिचय एवं पदबंध	प्रतिवेदन लेखन	भारत में कौन-कौन से पर्वतीय स्थल हैं ?
December	13. मैं नहिं माखन खायो(पद) 14. पापा ने जब रोटी फेंकी (घटना)	16.वाक्य - विचार 17.वर्तनी तथा अशुद्ध वाक्यों का संशोधन 18.मुहावरे और लोकोक्तियां	स्ववृत्त लेखन	सूरदास और तुलसीदास के कुछ पदों का चार्ट बनाए ।
January	15. गुफाओं की कला (लेख)	19.विराम - चिह्न 20.अलंकार		अजंता की गुफाओं के बारे में जानकारी एकत्रित कीजिए ।
February	पुनरावृत्ति			
March	वार्षिक परीक्षा			

**DRONACHARYA PUBLIC SCHOOL, MUBARIKPUR**  
**SYLLABUS -2024-25**  
**CLASS- 8th, Subject: Sanskrit**

**Name of Prescribed Book:** *Sankalpam*

**Publication:** Avichal

Month	पाठ्यपुस्तकम्	व्याकरणम्	लिखित क्रियाकलाप	मौखिक क्रियाकलाप व: अन्य क्रियाकलाप
April	1 मंगलाचरणम्	1 संज्ञा – शब्दरूपाणि 2 धातु- रूपाणि	संज्ञा शब्दों को व धातु रूप लकार ,पुरुषः लिंग आदिको लिखना	क्लोक उच्चारण करना संज्ञा शब्दों व धातु का उच्चारण करना
May	2 भावे हि विद्यते देवः 3 बलमसि बलम् मयि धेहि	3 सर्वनाम्- रूपाणि 4 विशेषण- विशेष्यं प्रकरणम्	सर्वनाम शब्द-रूपों को लिखना, पाठ से छांटकर विशेषण लिखना	शब्द रूप का उच्चारण करना विशेषण के प्रकार पढ़ना योग का महत्व समझते हुए चार्ट तैयार करना
June	ग्रीष्मकालीन अवकाश			
July	4 मूर्खमण्डलम्	5 अव्यय	स्थूल पदों के आधार पर प्रश्न प्रश्न निर्माण लिखना अव्यय शब्दों से वाक्य प्रयोग करके लिखना	पंचतंत्र से संबंधित अन्य कथा को पढ़ना अव्यय शब्दों का उच्चारण करना
August	5 ज्ञान अमृतम्	6 अशुद्धि संशोधन	दान का महत्व समझाते हुए दानवीर कर्ण के विषय में कथा लिखना कारक संबंधी क्रिया ,विशेषण संबंधी अशुद्धि लिखना	क्लोकों का उच्चारण करना छात्र के सफलता के सिद्धांतों को समझना
September	6 परोपकारः अर्थ इदम् शरीरं	अर्धवार्षिक परीक्षा	वाक्य परिवर्तन करके वाक्य रचना करना,	पर्यावरण में वृक्षों के महत्व को जानना

			वृक्षों से प्राप्त परोपकार के विषय में लिखना	
October	7 सायं वेला	7 उपसर्गः प्रत्ययः च 8 उपपदविभक्तिः	शब्दों को विभक्ति के क्रम के अनुसार लिखना, पाठ में आए कुछ शब्दों के विलोम शब्द लिखना	चित्र माध्यम से सांयं काल की सुंदरता का वर्णन करना, विभक्ति व उपपद विभक्ति के विषय में जानकारी प्राप्त करना
November	8 यक्षः युधिष्ठिरः संवादः	9 संवाद 10 घटिका ज्ञानम्	क्षोक से सही शब्द चुनकर अन्य पूरा करना, समानार्थी शब्दों को लिखना, घड़ी में दिए गए समय को संस्कृत में लिखना	क्षोकों के माध्यम से यक्ष युधिष्ठिर संवाद को समझना व अन्य संवाद समाना, समय वाचक शब्दों का संस्कृत में उच्चारण करना
December	9 कृपण दंपति 10 दुर्बोधा: शिशवः खलु	11 सन्धि प्रकरणम् 12 अपठित गद्यांशम्	संधि-विच्छेद संधि- संयोजन करके लिखना, परिवार के सदस्य के स्वभाव के विषय में वाक्य लिखना	संधि शब्दों का उच्चारण. अकबर बीरबल की अन्य कथा द्वारा पाठ को समझना कृपणता केलाभ-हानि को समझना
January	11 लोकोक्तयः 12. विश्व संस्कृतम्	13 पत्र- लेखनम् 14 चित्र- वर्णनम्	संस्कृत में पत्र लेखन करना चित्र माध्यम से वाक्य रचना करना	पाठ में आई लोकोक्तियों का संस्कृत उच्चारण करना पाठ के माध्यम से विश्व के प्रसिद्ध कुछ कवियों के विषय में जानकारी प्राप्त करना
February	दोहराई			
March	वार्षिक परीक्षा			

**DRONACHARYA PUBLIC SCHOOL, MUBARIKPUR**  
**SYLLABUS -2024-25**  
**CLASS- 8<sup>th</sup>, Subject: Computer**

**Name of Prescribed Book: Brainy Cloud (Ver. 2.0)**

**Publication: Brainwave Informatics Publishing Company**

<b>Month</b>	<b>Chapter</b>	<b>Practical and project</b>
April	Ch 1: Networking Concepts	<ul style="list-style-type: none"> <li>Discuss Networking connection and type and how they work?</li> </ul>
May	Ch 2: Image Editing with GIMP Ch 3: Creating Websites with HTML 5 Ch 4: HTML 5 and CSS	<ul style="list-style-type: none"> <li>Practical with GIMP</li> <li>Practical with HTML</li> <li>Practical with HTML AND CSS</li> </ul>
June	Summer Vacations	
July	Ch 5: Introduction to APP Development	<ul style="list-style-type: none"> <li>Practical with app develop software(t develop a app)</li> </ul>
August	Revision	<ul style="list-style-type: none"> <li>Revise all chapter with practical</li> </ul>
September	Term 1 exam	
October	Ch 6: Knowing Artificial Intelligent  Ch 7: Subsets of Artificial Intelligence	<ul style="list-style-type: none"> <li>Discuss artificial technology use in real life and make task easy</li> <li>Discuss AI technology domains( NLP.CV,DS)</li> </ul>
November	Ch 8: Python Review  Ch 9: Advanced Python	<ul style="list-style-type: none"> <li>Practical with Python Language</li> <li>Practical with Python tool</li> </ul>
December	Ch 10: Function coading with Python	<ul style="list-style-type: none"> <li>Practical with Python (functions)</li> </ul>
January	Revision	
February	Revision	
March	Final exam	

