

**DRONACHARYA PUBLIC SCHOOL, MUBARIKPUR****SYLLABUS -2024-25****CLASS- 11<sup>TH</sup> SUBJECT: PHYSICS****Book :- New simplified PHYSICS****Publisher :- Dhanpat Rai & Co.**

<b>Month</b>	<b>Syllabus</b>	<b>Experiments and activities</b>
April	Chapter–2: Units and Measurements Chapter–3: Motion in a Straight Line	—
May	Chapter–4: Motion in a Plane	To measure diameter of a small spherical/cylindrical body and to measure internal diameter and depth of a given beaker/calorimeter using Vernier Callipers and hence find its volume
June	Chapter–5: Laws of Motion Summer Vacation	
July	Chapter–5: Laws of Motion Chapter–6: Work, Energy and Power	To measure diameter of a given wire and thickness of a given sheet using screw gauge
August	Chapter–7: System of Particles and Rotational Motion Chapter–8: Gravitation	To make a paper scale of given least count, e.g., 0.2cm, 0.5 cm
September	Chapter–9: Mechanical Properties of Solids Mid term Exam	To determine radius of curvature of a given spherical surface by a Spherometer
October	Chapter–10: Mechanical Properties of Fluids Chapter–11: Thermal Properties of Matter	To study the relationship between the temperature of a hot body and time by plotting a cooling curve.
November	Chapter–12: Thermodynamics Chapter–13: Kinetic Theory	To plot a graph for a given set of data, with proper choice of scales and error bars
December	Chapter–14: Oscillations Chapter–15: Waves	
January	Revision	
February	Revision	

**DRONACHARYA PUBLIC SCHOOL, MUBARIKPUR**  
**SYLLABUS -2024-25**  
**CLASS- 11<sup>TH</sup> SUBJECT: CHEMISTRY**

<b>Months</b>	<b>Syllabus</b>	<b>Experiments/ Activities</b>
April	CH:-1 Some Basic Concepts of Chemistry CH:2- Structure of atom	Preparation of double salts.
May	CH:-3: Classification of Elements and periodicity in their properties CH:- 4 Chemical Bonding	Preparation of organic compounds.
June	CH:-5:- Thermodynamics	Test for functional groups.
July	CH:- 6:- Equilibrium	Titration experiments.
August	CH:-7:- Hydrogen CH 8:- Redox Reactions	Qualitative Analysis
September	CH 9:- : Organic chemistry- basic principles and techniques	Qualitative analysis
October	CH 10:- Hydrocarbons REVISION OF PHYSICAL CHEMISTRY	Project Work
November	REVISION OF INORGANIC CHEMISTRY	
December	REVISION OF ORGANIC CHEMISTRY	
January	Revision of complete Syllabus	
February	Revision of complete Syllabus	

**DRONACHARYA PUBLIC SCHOOL, MUBARIKPUR**  
**SYLLABUS -2024-25**  
**CLASS- 11<sup>TH</sup> SUBJECT: BIOLOGY**

Book : NCERT

Months	Syllabus	Experiments/ Activities
April	Ch-1. The Living World Ch-2. Biological Classification Ch-3. Plant Kingdom Ch-4. Animal Kingdom	
May	Ch-5. Morphology of Flowering Plants Ch-6. Anatomy of flowering Plants Ch-7. Structural organisation in animals	1) Study and describe locally available common flowering plants including dissection and display of floral whorls. 2) Study of distribution of stomata on the upper and lower surface of leaves.
June	Ch-8. Cell: The unit of life <b>Revision of Unit-1</b>	3) To study T.S. of Dicot and Monocot root and stem. 4) Study of Osmosis by potato osmometer.
July	Ch-9. Biomolecules Ch-10. Cell cycle and Cell division	Study of mitosis in onion root tip cells.
August	Ch-11. Transport in plants Ch-12. Mineral Nutrition in plants Ch-13. Photosynthesis in higher plants	5) Study of plasmolysis in Epidermal peel. 6) Study of plant pigments through paper chromatography.
September	Ch-14. Respiration In Plants <b>Term-1 Exams</b>	7) Study of rate of respiration in flower buds/ germinating seeds.
October	Ch-15. Plant Growth and Development Ch-16. Digestion and Absorption Ch-17. Breathing and Exchange of Gases Ch-18. Body Fluids and Circulation	
November	Ch-19. Excretory Products and their Elimination Ch-20. Locomotion and Movement Ch-21. Neural Control and Coordination Ch-22. Chemical Coordination and Integration	Spotting: Human skeleton and different types of joints.
December	<b>Revision for Exams</b>	
January	Revision of complete Syllabus	
February	Revision of complete Syllabus	

**DRONACHARYA PUBLIC SCHOOL, MUBARIKPUR**  
**SYLLABUS -2024-25**  
**CLASS- 11<sup>TH</sup> SUBJECT: MATHEMATICS**

Books – RS Aggarwal , NCERT

<b>Months</b>	<b>Topic</b>	<b>Activity</b>
April	1. Sets 2. Relation and function	Identify the domain and range by input and output
May	3. Trigonometry 4. Complex numbers	Trigonometry puzzle
June	Summer vacation	
July-August	5. Permutations and combination 6. Binomial theorem	5 students and 5 chairs arrangement activity
August	7. Sequence and series 8. Linear inequality	Arithmetic sequence giving everyday example
September	9. Straight lines 10. Circle 11. Parabola	Centre of circle activity
October	12. Ellipse and hyperbole 13. Introduction to three dimensional geometry 14. Limits and derivatives	Locate any point in quadrant
November	15. Statistics 16. Probability	Dices, coins & cards activity
December	Revision	
January	Revision	
February	Final Exam	

**DRONACHARYA PUBLIC SCHOOL, MUBARIKPUR**  
**SYLLABUS -2024-25**  
**CLASS- 11th, SUBJECT: ENGLISH**

Month	Literature	Writing/ Grammar	Reading	Activity
APRIL	Prose L 1 -The Portrait of A Lady L 1-Summer of the beautiful white horse (snapshots)	Uses of tenses (gap filling)		· Reflective writing from the grandmother's POV · Debate ' Traditions vs family values'
MAY	L2. We are not Afraid to Die..... Poem 1. A photograph (Poem) L2. The Address (snapshots) The Laburnum Top(Poem)	Poster Making, Noun Clause	Unseen Passages	· Mapping the journey · Group Discussion · Research project on survival stories
June		Advertisement Adjective Clause Adverb Clause		· Historical Investigation on King Tut (project) · Debate
July	3. Discovering Tut: The Saga Continues L3. Mother, s Day (snapshots)	Advertisement	Notes Making And Summary Writing	· Sounds and sensory experience (multimedia)
August	The voice of the rain (Poem)	Speech Tenses	Unseen Passages	· Project on ' time Travel' stories · Role play · Silk road : trade route significance
September	Childhood (Poem) L. 4.The Adventure Silk Road (Prose)	Debate		· GD: child birth & emotional impact around it · Comparative study of cultural practices & rituals surrounding child birth
October	L. Father to Son(Poem) L. 7.Birth ( Prose) L. 8.The Tale of Melon City			.Role play
November	Revision L. 1,2,3(Prose & Poem)	Advertisement		
December	Revision snapshot L. 1,2,3	Poster making		
January	Revision			
February	Revision			
March	Revision (All syllabus)			

**DRONACHARYA PUBLIC SCHOOL, MUBARIKPUR**  
**SYLLABUS -2024-25**  
**CLASS- 11<sup>TH</sup> SUBJECT: MUSIC**

मास	खंड	विषय	क्रियाकलाप
अप्रैल	खंड 1 परिभाषा	संगीत ध्वनि श्रुति स्वर थाट सप्तक नाद जाति लय ताल	लय, ताल
मई		मार्गी संगीत देशी संगीत राग निबद्ध गायन अनिबद्ध गायन स्वर मालिका लक्षण गीत	राग, स्वर मालिका
जून	<b>ग्रीष्मकालीन अवकाश</b>		
जुलाई	खंड 2	ध्रुपद ख्याल तराना घराना	ख्याल
अगस्त	खंड 3	नाट्य शास्त्र जीवन परिचय तानसेन प० वी. न भात खण्डे, प० वी. डी पलुस्कर	
सितंबर	खंड 4	ताल: रूपक, कहरवा ताल, तीन ताल, चार ताल तानपुरा राग: भीम पलासी, भैरवी, बिहाग	ताल, रूपक, कहरवा, तीन ताल  राग: भैरवी
अक्टूबर	<b>अर्धवार्षिक परीक्षा+ दोहराई</b>		
नवंबर	<b>दोहराई</b>		
दिसंबर	<b>दोहराई</b>		
जनवरी	<b>दोहराई</b>		
फरवरी	<b>वार्षिक परीक्षा</b>		

**DRONACHARYA PUBLIC SCHOOL, MUBARIKPUR**  
**SYLLABUS -2024-25**  
**CLASS- 11<sup>TH</sup> SUBJECT: PHYSICAL EDUCATION**

मास	विषय	क्रियाकलाप
अप्रैल	1. शारीरिक शिक्षा में बदलती प्रवृत्तियां और करियर.	स्पोर्ट्स इन्वेस्ट/ ट्रैक एवं फील्ड मीत आयोजन
मई	2. ओलंपिक मूल्य शिक्षा. 3. शारीरिक पुष्टि सुयोग्यता व जीवन शैली. 4. विशेष आवश्यकता वाले बच्चों के लिए शारीरिक शिक्षा एवं खेल.	दिव्यांग बच्चों के लिए की जाने वाली मदद की गतिविधियां व सुझाव
जून	5. योग	प्राणायाम व आसन
जून	ग्रीष्मकालीन अवकाश	
जुलाई	6. शारीरिक क्रिया और नेतृत्व प्रशिक्षण. 7. परीक्षण मापन व मूल्यांकन. 8. खेलों में शरीर रचना विज्ञान शरीर क्रिया विज्ञान व किनजियोलॉजी के मूलभूत सिद्धांत.	हृदय के बारे में क्रियाकलाप
अगस्त	9. मनोविज्ञान और खेल. 10. खेलकूद में प्रशिक्षण व डापिंग.	खेलों में चोट के बचाव में उपाय
सितंबर	आरोह भाग-1 अभिव्यक्ति माध्यम	
अक्टूबर	अर्धवार्षिक परीक्षा+ दोहराई	
नवंबर	आरओ भाग-1 अभिव्यक्ति माध्यम	
दिसंबर	दोहराई	
जनवरी	दोहराई	
फरवरी	वार्षिक परीक्षा	