

Pradesh Public International School Of Sciences  
Grade -12th Syllabus Session -2024 -25

<b>ENGLISH</b>				
<b>Serial no</b>	<b>Topic</b>	<b>Date of Teaching</b>	<b>Periods</b>	<b>Marks</b>
1	Notice	10.4.24	1	
2	Advertisement	11.4.24/13.4.24	3	
3	The Last Lesson	17.4.24/21.4.24	5	2
4	Notice	24.4.24/26.4.24	3	
5	Lost Spring	28.4.24/5.5.24	6	2
6	Advertisements	7.5.24/14.5.24	5	2
7	Deep Water	26.5.24/27.5.24	2	3
8	The Rattrap	30.5.24/2.6.24	4	3
9	Indigo	5.6.24/6.6.24	2	3
10	My Mother at sixty six	8.6.24/14.6.24	5	2
11	An Elementary School Classroom in a slum	16.6.24/19.6.24	3	3
12	Keeping quiet	21.6.24/23.6.24	3	3
13	The Third level	26.6.24/28.6.24	3	2
14	The Tiger king	27.7.24/29.6.24	3	2
15	Journey To The End Of the World	1.8.24/3.8.24	3	2
16	The Enemy	5.8.24	1	
17	Report/ Article	7.8.24/11.8.24	5	
	Summer vacation			2
	first term exam 16.8.23 to 31.8.23			3
18	Poets and Pancakes	1.9.24/8.9.24	5	2
19	The Interview	12.9.24/14.9.24	3	2
20	Going Places	16.9.24/21.9.24	5	2
21	A Thing of beauty	23.9.24/26.9.24	3	3
22	A Road side stand	28.9.24/3.10.24	4	3
23	Aunt Jennifer's Tigers	5.10.24/7.10.24	3	2
24	Should Wizard Hit Mommy	10.10.24/16.10.24	5	3
25	On The Face Of it	18.10.24/23.10.2	5	2
26	Evans Tries An o Level	26.10.24/31.10.24	5	5
27	Memories Of Childhood	3.11.24/8.11.24	5	2
28	Unseen Passage	10.11.24/14.11.24	3	7
29	Note Making	17.11.24/20.11.24	3	7
30	Advertisement	22.11.24/25.11.24	5	

INDEX : CLASS - +2 (BIOLOGY)					
SESSION: (2024 - 2025)					
Sr No.	Unit/ Chapter Name	Teaching Date	No. of Periods	Marks	Test Date
			<b>133</b>		
	Revision	11-04-24 to 16-04-24			
<b>UNIT -</b>	<b>Reproduction</b>		<b>31</b>	<b>16</b>	
2	Sexual Reproduction in Flowering	25-04-24 to 08-05-24	12		5/9/2024
3	Human Reproduction	13-05-24 to 27-05-24	12		5/28/2024
4	Reproductive Health	29-05-24 to 05-06-24	7		6/6/2024
<b>UNIT -</b>	<b>Genetics and Evolution</b>		<b>37</b>	<b>20</b>	
5	Principles of Inheritance and Variation	07-06-24 to 20-06-24	10		6/21/2024
SUMMER VACATIONS (22nd JUNE TO 29th JULY)					
REVISION AND EXAMS (30th JULY TO 15th AUGUST)					
6	Molecular Basis of Inheritance	17-08-24 to 03-09-24	14		9/4/2024
7	Evolution	05-09-24 to 20-09-24	13		9/21/2024
<b>UNIT -</b>	<b>Biology and Human Welfare</b>		<b>17</b>	<b>12</b>	
8	Human Health and Diseases	23-09-24 to 04-10-24	10		10/5/2024
10	Microbes in Human Welfare	07-10-24 to 15-10-24	7		10/16/2024
<b>UNIT -</b>	<b>Biotechnology and its Applications</b>		<b>18</b>	<b>12</b>	
11	Biotechnology - Principles and Processes	18-10-24 to 30-10-24	10		10/31/2024
12	Biotechnology and its Applications	04-11-24 to 13-11-24	8		11/14/2024
<b>UNIT -</b>	<b>Ecology and Environment</b>		<b>30</b>	<b>10</b>	
13	Organisms and Populations	16-11-24 to 27-11-24	10		11/28/2024
14	Ecosystem	29-11-24 to 11-12-24	10		12/12/2024
15	Biodiversity and its Conservation	03-12-24 to 24-12-24	10		12/26/2024

PRADESH PUBLIC INTERNATIONAL SCHOOL OF SCIENCES, BANI					
INDEX FOR SESSION 2024-25					
CLASS:12TH C.B.S.E SUBJECT:COMPUTER SCIENCE					
SRNO	NAME OF UNIT	TeachingDate			
1	Data Handling using Pandas and Data Visualization	10april-23june			
	SUMMER VACATIONS-22ND JUNE TO 30TH JULY				
	RIVISION-1ST TO 15TH Aug				
	1ST TERM EXAM(16 AUG-30AUG)				
2	Database Query using SQL	27periods	1sep-2 nov		
3	Introduction to computer Network	42periods	6nov-8jan		
4	Societal Impacts	32periods	9jan-12 feb		

Index of session 2024-2025 Physics				
Sr.No	Unit name /chapter name	Teaching dates	Offline test dates	Marks
1	Electric charges and fields Electrostatic potential and Capacitance	10 to 22 april	23-Apr	13
2	Current Electricity	24 april to 2 may	3-May	11
3	Moving Charges and magnetism,magnetism and matter	4 may to 22 may	24-May	18
4	Electromagnetic 4 induction, Alternating Current	24 to 7 june	10-Jun	13
5	Electromagnetic Wave	11 june to 22 june	24-Jun	5
6	Ray optics and optical instruments	16 august -5 sept	6-Sep	7
7	Dual nature of radiation and matter	7sept to 24 sept	25-Sep	10
8	Atoms and Nuclei	26 sept to 7 oct	8-Oct	12
9	Electronic devices	9 oct to 23oct	24-Oct	7

Chemistry					
S.No	TOPIC NAME	PERIODS	Marks	TEACHING DATE	OFFLINE TEST
1	Solutions	15 (5:20hrs)	7	10 <sup>th</sup> april to 1 <sup>st</sup> may	2 <sup>nd</sup> may
2	Electrochemistry	18 (5:20 hrs)	9	3 <sup>rd</sup> May to 11 <sup>th</sup> May	28 <sup>th</sup> May
3	Chemical kinetics	15 (4:00hrs)	7	29 <sup>th</sup> may to 4 <sup>th</sup> June	12 <sup>th</sup> June
4	D and f block elements	18 (5:20hrs)	7	13 <sup>th</sup> june to 20 <sup>th</sup> June	21 <sup>st</sup> june
5	Coordination compounds	18 (5:20hrs)	7	22 <sup>nd</sup> June to 30 <sup>th</sup> June	
SUMMER VACATIONS					
6 .	Haloalkane and haloarenes	15 (5:20hrs)	6	1st aug to 14th Aug	15 <sup>th</sup> Aug
1st Term Exam 16th Aug to 30th Aug					
7	Alcohol, Phenols and ether	14 (2:40hrs)	6	2nd sept to 14th sept	16 <sup>th</sup> Sept
8	Aldehyde , ketones and Carboxylic acid	14 (8.00 hrs)	8	17 <sup>th</sup> Sept to 1 <sup>st</sup> Oct	4th oct
9	Amines	14	6	5th oct to 19 <sup>th</sup>	21st Oct
10	Biomolecules	18	7	22nd Oct to	19th nov

CLASS 12TH					
MATHEMATICS SESSION- 2024 TO 2025					
Sr No.	Name of the chapter	Teaching Dates	Periods	Marks Alloted	Test Date
1	Metrics	1-04-24 to 16-04-24	15	4	4/17/2024
2	Determinants	18-04-24 to 23-04-24	8	6	4/24/2024
3	Inverse Trigonometry	25-04-24 to 29-04-24	15	3	4/30/2024
4	Relation and functions	01-05-24 to 07-05-24	15	5	8/5/2024
5	Continuity and differentiability	09-05-24 to 15-05-24	10	5	5/16/2024
6	Application of Derivatives	1-05-24 to 22-06-24	15	10	6/23/2024
	Summer vacations	25-06-24 to 29-07-24			
	Revision	1-08-24 to 15-08-24			
	1st terminal exam	16-08-24 to 30-08-24			
8	Integrals	02-09-24 to 09-09-24	10	7	8/3/2024
9	Application of integrals	11-09-24 to 16-09-24	15	6	9/17/2024
10	Differential equations	18-09-24 to 23-09-24	10	7	9/24/2024
11	Vector Algebra	25-09-24 to 29-09-24	12	6	9/30/2024
12	3- Dimensional geometry	01-10-24 to 05-10-24	12	8	10/6/2024
13	linear programming	11-10-24 to 16-10-24	10	5	10/18/2024
14	Probability	19-10-24 to 25-10-24	15	8	10/26/2024

**PHYSICAL EDUCATION (048)**

**TERM – I**

<b>Sr No.</b>	<b>Name of the chapter</b>	<b>Teaching Dates</b>	<b>Periods</b>	<b>Test Dates</b>	<b>Marks Alloted</b>
1	<b>Planning in Sports</b> Meaning & Objectives Of Planning Various Committees & its Responsibilities (pre; during & post) Or Round Robin & Combination Procedure To Draw Fixtures –	01-04-2024-12-04-2024	10	16.04.2024	7
2	<b>Sports &amp; Nutrition</b> Balanced Diet & Nutrition: Macro Nutritive & Non-Nutritive Components Of Diet Eating For Weight Control – A Healthy Weight, The Pitfalls of Dieting, Food Intolerance & Food Myths	18-04-2024-26-04-2024	8	27.04.2024	7
3	<b>Children &amp; Women in Sports</b> Motor development & factors affecting it  Exercise Guidelines at different stages of growth & Development Common Postural Deformities - Knock Knee; Flat Foot; Round Shoulders; Lordosis, Kyphosis, Bow Legs and Scoliosis and their corrective measures Sports participation of women in India	28.04.2024-11.05.2024	10	12.05.2024	7
	<b>Test &amp; Measurement in Sports</b>				

4	<p>Motor Fitness Test – 50 M Standing Start, 600 M Run/Walk, Sit &amp; Reach, Partial Curl Up, Push Ups (Boys), Modified Push Ups (Girls), Standing Broad Jump, Agility – 4x10 M Shuttle Run o Measurement of Cardio Vascular Fitness – Harvard Step Test/Rockport Test - Duration of the Exercise in Seconds x 100 5.5 x Pulse count of 1-1.5 Min after Exercise 9 Psychology &amp; Sports</p> <ul style="list-style-type: none"> <li>● Personality; its definition &amp; types – Trait &amp; Types (Sheldon &amp; Jung Classification) &amp; Big Five Theory</li> <li>● Motivation, its type &amp; techniques</li> <li>● Meaning, Concept &amp; Types of Aggressions in Sports o Rikli &amp; Jones - Senior Citizen Fitness Test</li> </ul>	13.05.2024-23.05.2024	8	24.05.2024	7
5	<p><b>Biomechanics &amp; Sports</b></p> <ul style="list-style-type: none"> <li>● Meaning and Importance of Biomechanics in Sports</li> <li>● Types of movements (Flexion, Extension, Abduction &amp; Adduction)</li> <li>● Newton’s Law of Motion &amp; its application in sports</li> </ul>	25.05.2024-31.05.2024	5	01.06.2024	7

**TERM -2**

Sr No.	Name of the chapter	Teaching Dates	Periods	Test Dates	Marks Alloted
1	<b>Yoga &amp; Lifestyle</b> Asanas as preventive measures Obesity: Procedure, Benefits & contraindications for Vajrasana, Hastasana, Trikonasana, Ardh Matsyendrasana Diabetes: Procedure, Benefits & contraindications for Bhujangasana, Paschimottasana , Pavan Muktasana, Ardh Matsyendrasana Asthma: Procedure, Benefits & contraindications for Sukhasana, Chakrasana, Gomukhasana, Parvatasana, Bhujangasana, Paschimottasana, Matsyasana Hypertension: Tadasana, Vajrasana, Pavan Muktasana, Ardha Chakrasana, Bhujangasana, Sharasana	02.06.2024-15.06.2024	10	16.06.2024	7
2	<b>Physical Education &amp; Sports for CWSN (Children with Special Needs )– DIVYANG</b> Concept of Disability & Disorder Types of Disability, its causes & nature (cognitive disability, intellectual Intolerance & Food Myths disability, physical disability) Types of Disorder, its cause & nature (ADHD, SPD, ASD, ODD, OCD) Disability Etiquettes Strategies to make Physical Activities assessable for children with special need	02.08.2024-10.08.2024	7	12.08.2024	7
3	<b>Physiology &amp; Injuries in Sports</b> <ul style="list-style-type: none"> <li>● Physiological factor determining component of Physical Fitness</li> <li>● Effect of exercise on Cardio Respiratory System</li> <li>● Effect of exercise on Muscular System                             <ul style="list-style-type: none"> <li>● Sports injuries: Classification (Soft Tissue Injuries:(Abrasion, Contusion, Laceration, Incision, Sprain &amp; Strain) Bone &amp; Joint Injuries: (Dislocation, Fractures: Stress Fracture, Green Stick, Communated, Transverse Oblique &amp; Impacted) Causes, Prevention&amp; treatment</li> </ul> </li> <li>● First Aid – Aims &amp; Objective</li> </ul>	02.09.2024-17.09.2024	12	19.09.2024	7
4	<b>Psychology &amp; Sports</b>	20.09.2024-28.09.2024	8	30.09.2024	7

	<ul style="list-style-type: none"> <li>● Personality; its definition &amp; types – Trait &amp; Types (Sheldon &amp; Jung Classification) &amp; Big Five Theory</li> <li>● Motivation, its type &amp; techniques ● Meaning, Concept &amp; Types of Aggressions in Sports</li> </ul>				
5	<b>Training in Sports</b> <ul style="list-style-type: none"> <li>● Strength – Definition, types &amp; methods of improving Strength – Isometric, Isotonic &amp; Isokinetic</li> <li>● Endurance - Definition, types &amp; methods to develop Endurance – Continuous Training, Interval Training &amp; Fartlek Training</li> <li>● Speed – Definition, types &amp; methods to develop Speed – Acceleration Run &amp; Pace Run</li> <li>● Flexibility – Definition, types &amp; methods to improve flexibility</li> <li>● Coordinative Abilities – Definition &amp; types</li> </ul>	10.10.2024-21.10.2024	10	2024.10.2024	7