



## TECHNO INDIA GROUP PUBLIC SCHOOL, ARIADHAHA

### ANNUAL SYLLABUS BIFURCATION MONTHWISE (2023-24)

## CLASS: XII, Sec: A

### ENGLISH

Sl. No.	TOPIC	SUB TOPIC	MONTH
1	Going Places	<ul style="list-style-type: none"><li>• Explanation</li><li>• Question Answers</li></ul>	October
2	Invitation (Formal/ Informal)	<ul style="list-style-type: none"><li>• Practice</li></ul>	October
3	Aunt Jennifer's Tigers	<ul style="list-style-type: none"><li>• Explanation</li><li>• Question Answers</li></ul>	November
5	On the face of it	<ul style="list-style-type: none"><li>• Explanation</li><li>• Question Answers</li></ul>	November
6	Memories	<ul style="list-style-type: none"><li>• Explanation</li><li>• Question Answers</li></ul>	November
7	Comprehension	<ul style="list-style-type: none"><li>• Practice</li></ul>	November
8	Article/Report Writing	<ul style="list-style-type: none"><li>• Practice</li></ul>	November

### CHEMISTRY

Sl. No.	TOPIC	SUB TOPIC	MONTH
1	Amines	IUPAC name, Method of preparations, Reactions	October
2	Biomolecules	Carbohydrates Proteins Vitamins Nucleic acid	November
3	Revision	Organic+ Inorganic + Physicals	December
4	Revision	All chapters	January

<b>PHYSICS</b>			
<b>Sl. No.</b>	<b>TOPIC</b>	<b>SUB TOPIC</b>	<b>MONTH</b>
1	Ray Optics	Refraction , Dispersion , Optical instruments	October
2	Wave Optics	Interference, Diffraction, Polarization	November
3	Dual Nature of matter	Hertz Experiment , Einstein's Photoelectric current, De Broglie's Wavelength	November
4	Nuclei & Semiconductor	Nuclear Fission, Nuclear Fusion , Radioactivity , Mass Defect  Doping , n type semiconductor, P type semiconductor, P-n Junction	November

<b>PURE MATHEMATICS</b>			
<b>Sl. No.</b>	<b>TOPIC</b>	<b>SUB TOPIC</b>	<b>MONTH</b>
1	Vector, Differential equations	----	October
2	3D	----	October
3	LPP	----	November
4	Probability	----	November+December

<b>INFORMATION TECHNOLOGY (802)</b>			
<b>Sl. No.</b>	<b>TOPIC</b>	<b>SUB TOPIC</b>	<b>MONTH</b>
1.	Communication Skills-IV	Communication Skills-IV – all chapters	October
2.	Green Skills-IV	Green Skills-IV – all chapters	November
3.	Work Integrated Learning IT – DMA	Work Integrated Learning IT – DMA	November
4.	Project Work	-	December
5.	Full Syllabus (Term I & II)	Revision	December

**YOGA**

<b>Sl. No.</b>	<b>TOPIC</b>	<b>SUB TOPIC</b>	<b>MONTH</b>
1.	MEDITATION, YOGASANA & PRANAYAMA	<ul style="list-style-type: none"><li>➤ Yogic mantra and Om chanting.</li><li>➤ Suryanamaskara.</li><li>➤ Auloma-Viloma.</li><li>➤ Yoga therapy (music)</li></ul>	October
2.	MEDITATION, YOGASANA, KRIYA & PRANAYAMA	<ul style="list-style-type: none"><li>➤ Yogic mantra and Om chanting.</li><li>➤ Suryanamaskara.</li><li>➤ Shat karma.</li><li>➤ Suryabedhan &amp; Chandra bhedana pranayama</li></ul>	November & December
3.	MEDITATION, YOGASANA & KRIYA	<ul style="list-style-type: none"><li>➤ Yogic mantra and Om chanting.</li><li>➤ Yoga as preventive measure for lifestyle disease: Obesity, Diabetes, Asthma, Hypertension, Back pain &amp; Arthritis.</li><li>➤ Kapalbhata kriya.</li></ul>	January & February

**PHYSICAL EDUCATION (048)**

Sl. No.	TOPIC	SUB TOPIC	MONTH
1	<b>Unit-8 Biomechanics and Sports</b>	1. Newton's Law of Motion & its application in sports 2. Types of Levers and their application in Sports. 3. Equilibrium –Dynamic & Static and Centre of Gravity and its application in sports 4. Friction & Sports 5. Projectile in Sports	October
2	<b>Unit-9 Psychology and Sports</b>	1. Personality; its definition & types (Jung Classification & Big Five Theory) 2. Motivation, its type & techniques 3. Exercise Adherence: Reasons, Benefits & Strategies for Enhancing it 4. Meaning, Concept & Types of Aggressions in Sports 5. Psychological Attributes in Sports –Self-Esteem, Mental Imagery, Self-Talk, Goal Setting	November
3	<b>Unit-10 Training in Sports</b>	1. Concept of Talent Identification and Talent Development in Sports 2. Introduction to Sports Training Cycle – Micro, Meso, Macro Cycle 3. Types & Methods to Develop – Strength, Endurance, and Speed 4. Types & Methods to Develop – Flexibility and Coordinative Ability 5. Circuit Training - Introduction & its importance	November+ December

**FOOD, NUTRITION AND DIETETICS**

SI. No.	TOPIC	SUB TOPIC	MONTH
1	Obesity	<ul style="list-style-type: none"><li>• Aetiology &amp; diagnosis</li><li>• Causes &amp; Consequences</li><li>• Prevention &amp; management</li></ul>	October
2	Hypertension	<ul style="list-style-type: none"><li>• Cause and symptoms</li><li>• Management</li></ul>	October
3	Diabetes mellitus	<ul style="list-style-type: none"><li>• Risk factors and complications</li><li>• Dietary management</li><li>➤ Diabetes education</li></ul>	November
4	Hepatitis	<ul style="list-style-type: none"><li>• Cause &amp; symptoms</li><li>• Prevention and management</li><li>• Jaundice</li></ul>	November
5	Celiac disease, Lactose intolerance & Peptic ulcer	<ul style="list-style-type: none"><li>• Cause</li><li>• Symptoms</li><li>• Management</li></ul>	November+ December

**BENGALI**

SI. No	Topic	Sub Topic	Month
1	গল্প – ভারতীয় কবিতা – পড়তে জানে এমন এক মজুরের প্রশ্ন	*লেখক পরিচিতি। *গল্প পাঠ *প্রশ্নের উত্তর লেখা [MCQ/SAQ/BQ]	October
2	ব্যাকরণ	বোধপরীক্ষণ, * ধ্বনিতত্ত্ব * শব্দার্থতত্ত্ব * বাগধারা ও প্রবাদ প্রবচন	
3	নির্মিত	*প্রতিবেদন রচনা * বিজ্ঞাপন রচনা	
4	গল্প – মেঘের গায়ে জেলখানা গল্প – ভাত	*গল্প/কবিতা পাঠ *প্রশ্নের উত্তর লেখা [MCQ/SAQ/BQ]	November
5	ব্যাকরণ	বোধপরীক্ষণ, * ধ্বনিতত্ত্ব * শব্দার্থতত্ত্ব * বাগধারা ও প্রবাদ প্রবচন	
6	নির্মিত	*প্রতিবেদন রচনা * বিজ্ঞাপন রচনা	
7	Revision		December
8	Revision		January

**PSYCHOLOGY**

Sl. No.	Topic	Sub Topic	Month
1	Attitude And social Cognition	Explaining social behaviour, Nature and components of attitudes, attitude formation and change, Prejudice and discrimination, Strategies for handling prejudice, Social Cognition, Schemas and stereotypes, Impression formation and explaining behaviours through attribution, behavior in presence of others, Pro-social behaviour	September- October
2	Social Influence And Group processes	Introduction, Nature and Formation of groups, types of groups, Influence of group on Individual behavior, Conformity, compliance and obedience, Cooperation and competition, Social Identity, Intergroup Conflict: Conflict resolution nature and causes, conflict resolution strategies	November- December
3	Revision		January

**COMPUTER SCIENCE**

Sl. No.	Topic	Sub Topic	Month
1	Structured Query Language	Introduction, Data Definition Language and Data Manipulation Language, data type (char(n), varchar(n), int, float, date), constraints (not null, unique, primary key), create database, use database, show databases, drop database, show tables, create table, describe table,	October-November

		alter table (add and remove an attribute, add and remove primary key),	
2	Structured Query Language	Drop table, insert, delete, select, operators (mathematical, relational and logical), aliasing, distinct clause, where clause, in, between, order by, meaning of null, is null, is not null, like, update command, delete command, aggregate functions (max, min, avg, sum, count), group by, having clause, joins: cartesian product on two tables, equi-join and natural join	November-December
3	Interface of python with an SQL database	Connecting SQL with Python, performing insert, update, delete queries using cursor, display data by using connect(), cursor(), execute(), commit(), fetchone(), fetchall(), rowcount, creating database connectivity applications, use of %s format specifier or format() to perform queries	December
4	Revision		January

## **BIOLOGY**

<b>Sl. No.</b>	<b>TOPIC</b>	<b>SUB TOPIC</b>	<b>MONTH</b>
1	Ecology	Organisms and population	October
2	Ecology	Ecosystem	November
3	Ecology	Biodiversity and conservation	November
4	Pre board I	Full syllabus of class XII according to CBSE	December

**COMMERCIAL ART**

<b>Sl. No.</b>	<b>TOPIC</b>	<b>SUB TOPIC</b>	<b>MONTH</b>
1	Illustration	Drawing for life & outdoor sketch Space maintain - composition arrangement Illustration color continue National events and celebration. Culture-dance, drama, music and art	October
2	Poster making	Tourism Cultural activities commercial products Commercial products.	November
3	COMPOSITION- Poster making	Madhubani & Kalighatpata Chitra, Theory Ideas social, national and international.	December
4	COMPOSITION	Revision.	January – February





# TECHNO INDIA GROUP PUBLIC SCHOOL, ARIADAHA

## SYLLABUS BIFURCATION - TERMWISE (2023-24)

### CLASS: XII-A

#### SUBJECT: ENGLISH

Sl. No.	MONTH	FA 2	PRE BOARD	REHEARSAL
1	October	Going Places Invitation Writing	All chapters	All chapters
2	November	Aunt Jennifer's Tigers On the face of it Memories Article/Report Writing		

#### SUBJECT: CHEMISTRY

Sl. No.	MONTH	FA 2	PRE BOARD	REHEARSAL
1	October	Amines	All Chapters	All Chapters
2	November	Biomolecules		
3	November	Revision		
4	December	Revision Tests / Viva		

#### SUBJECT: PHYSICS

Sl. No.	MONTH	FA 2	PRE BOARD	REHEARSAL
1	October	Ray Optics	Full syllabus	Full syllabus for Rehearsal exam
2	November	Wave Optics, Dual Nature of matter, Nuclei		
3	November	LPP		
4	December			
5	January			

#### SUBJECT : PURE MATHEMATICS

Sl. No.	MONTH	FA 2	PRE BOARD	REHEARSAL
1	October	Vector, Differential equations	Full syllabus	Full syllabus for Rehearsal exam
2	November	3D		
3	November	LPP		
4	December			
5	January			

**SUBJECT: INFORMATION TECHNOLOGY (802)**

Sl. No.	MONTH	FA 2	PRE BOARD	REHEARSAL
1.	November	Communication Skills-IV	Full Syllabus	Full Syllabus
2.	November	Green Skills-IV		
3.	November	Work Integrated Learning IT – DMA		
4.	December	Full syllabus		
5.	January	Full syllabus		
6.	February	Full syllabus		

**SUBJECT : BIOLOGY**

Sl. No.	MONTH	FA 2	PRE BOARD	REHEARSAL
1.	October	Organisms and populations	Full Syllabus	Full Syllabus
2.	November	Ecosystem		
3.	November	Biodiversity and conservation		
4.	December	Full syllabus		
5.	January	Full syllabus		
6.	February	Full syllabus		

**SUBJECT : FOOD, NUTRITION & DIETETICS**

Sl. No.	MONTH	FA 2	PRE BOARD	REHEARSAL
1	October	Obesity Hypertension	Obesity Hypertension Diabetes Hepatitis	Full syllabus for Rehearsal exam
2	November	Diabetes Hepatitis		
4	December			
5	January			

**SUBJECT: COMPUTER SCIENCE**

Sl. No.	MONTH	FA 2	PRE BOARD	REHEARSAL
1	November	Structured Query Language	All chapters	All chapters
2	December	Interface of python with an SQL database		

<b>SUBJECT: PHYSICAL EDUCATION (048)</b>				
Sl. No.	MONTH	FA 2	PRE BOARD	REHEARSAL
1	October	Biomechanics and Sports	Full syllabus	Full syllabus for Rehearsal exam
2	November	Psychology and Sports		
4	December			
5	January			

<b>SUBJECT: BENGALI</b>				
Sl. No.	MONTH	FA 2	PRE BOARD	REHEARSAL
1	October	গল্প – ভারতবর্ষ কবিতা – পড়তে জানে এমন এক মজুরের প্রশ্ন বোধপরীক্ষণ, * ধ্বনিতত্ত্ব * শব্দার্থতত্ত্ব * বাগধারা ও প্রবাদ প্রবচন * প্রতিবেদন রচনা * বিজ্ঞাপন রচনা	বোধপরীক্ষণ ধ্বনিতত্ত্ব, শব্দার্থতত্ত্ব বাগধারা ও প্রবাদ প্রবচন গল্প – কে বাঁচায়, কে বাঁচে- ভারতবর্ষ, ভাত নাটক – নানা রঙের দিন কবিতা –	বোধপরীক্ষণ ধ্বনিতত্ত্ব, শব্দার্থতত্ত্ব বাগধারা ও প্রবাদ প্রবচন গল্প – কে বাঁচায়, কে বাঁচে- ভারতবর্ষ, ভাত নাটক – নানা রঙের দিন কবিতা – * রূপনারানাএর কূলে * আমি দেখি, * ক্রন্দনরতা জননীর পাশে। * পরতে পারে এমন একজন শ্রমিকের প্রশ্ন আমার বাংলা – * গারো পাহাড়ের নীচে * ছাতির বদলে হাতি * মেঘের গায়ে জেলখানা * পাতালপুরীর রাজ্যে নির্মিত – প্রতিবেদন রচনা বিজ্ঞাপন রচনা
2	November	গল্প – মেঘের গায়ে জেলখানা, ভাত বোধপরীক্ষণ, * ধ্বনিতত্ত্ব * শব্দার্থতত্ত্ব * বাগধারা ও প্রবাদ প্রবচন * প্রতিবেদন রচনা * বিজ্ঞাপন রচনা	* রূপনারানাএর কূলে * আমি দেখি, * ক্রন্দনরতা জননীর পাশে। * পরতে পারে এমন একজন শ্রমিকের প্রশ্ন আমার বাংলা – * গারো পাহাড়ের নীচে * ছাতির বদলে হাতি * মেঘের গায়ে জেলখানা * পাতালপুরীর রাজ্যে নির্মিত – প্রতিবেদন রচনা বিজ্ঞাপন রচনা	* আমি দেখি, * ক্রন্দনরতা জননীর পাশে। * পরতে পারে এমন একজন শ্রমিকের প্রশ্ন আমার বাংলা – * গারো পাহাড়ের নীচে * ছাতির বদলে হাতি * মেঘের গায়ে জেলখানা * পাতালপুরীর রাজ্যে নির্মিত – প্রতিবেদন রচনা বিজ্ঞাপন রচনা
3	December			

<b>SUBJECT: COMMERCIAL ART</b>				
Sl. No.	MONTH	FA 2	PRE BOARD	REHEARSAL
1	October	CLASS TEST-10 MARKS	Full syllabus	THEORY-30 PRACTICAL-70
2	November	CLASS TEST-10 MARKS		
3	December			

<b>SUBJECT: PSYCHOLOGY</b>				
Sl. No.	MONTH	FA 2	PRE BOARD	REHEARSAL
1	November	Attitude and Social Cognition	All chapters	All chapters
2	December	Social Influence and Group Processes		