St. Paul's School, Aya Nagar

Commerce Section Monthwise Syllabus

Class XI

English		
Month	Chapters and Topic Covered	Practical/Activities
April	1. WRITING SKILLS ● Note Making ● Summary 2. HORNBILL- The Portrait of a Lady (Prose) 3. A Photograph (Poem) 4. SNAPSHOTS- The Tale of Melon City	
May	1. WRITING SKILLS ● Poster Making 2. HORNBILL- We're Not Afraid to Die…..if We Can be Together (Prose) 3. The Voice of the Rain (Poem) 4. GRAMMAR- Editing and Omission	● Class Test ● Poster Making
July	1. HORNBILL- Discovering Tut- The Saga Continues 2. HORNBILL- The Laburnum Top (Poem) 3. SNAPSHOTS- The Address (Prose) 4. WRITING SKILLS- Classifieds	**Activity 1- Word Jumble Race** This is a great game to encourage team work and bring a sense of competition to the classroom. No matter how old we are, we all love a good competition and this game works wonders with all age groups. It is perfect for practicing tenses, word order, reading & writing skills and grammar. **HOW TO PLAY:**

		1. Write out a number of sentences, using different colours for each sentence. 3-5 sentences for each team. 2. Cut up the sentences so you have a handful of words. 3. Put each sentence into hats, cups or any objects you can find, keeping each separate. 4. Split your class into teams of 2, 3, or 4. 5. Teams must now put their sentences in the correct order. 6. The winning team is the first team to have all sentences correctly ordered.
August	1. HORNBILL- The Adventure (Prose) 2. HORNBILL- The Childhood (Poem) 3. SNAPSHOTS- The Summer of the Beautiful White Horse (Prose) 4. WRITING SKILLS- Debate based of Verbal/Visual Inputs 5. GRAMMAR- Gap Filling (Tenses, Clauses)	ASSESSMENT OF SPEAKING SKILLS
September	1. HORNBILL- Silk Road (Prose) 2. HORNBILL- Father to Son (Poem) 3. SNAPSHOTS- Mother's Day (Play) 4. GRAMMAR- Reordering/Transformation of Sentences	ASSESSMENT OF LISTENING SKILLS

	5. Revision of the syllabus covered for Term - 1 exam	
October	1. SNAPSHOTS- Birth (Prose) 2. WRITING SKILLS- Speech Writing 3. Revision of the syllabus covered	**Activity 2- Pictionary** Pictionary can help students practice their vocabulary and it tests to see if they're remembering the words you've been teaching. **HOW TO PLAY:** 1. Before the class starts, prepare a bunch of words and put them in a bag. 2. Split the class into teams of 2 and draw a line down the middle of the board. 3. Give one team member from each team a pen and ask them to choose a word from the bag. 4. Tell the students to draw the word as a picture on the board and encourage their team to guess the word. 5. The first team to shout the correct answer gets a point. 6. The student who has completed drawing should then nominate someone else to draw for their team. 7. Repeat this until all the words are gone - make sure you have enough words that each student gets to draw at least once!
November till First week	1. Class tests 2. Revision of the	Project Work

	syllabus covered	

Mathematics		
Month	**Chapters and Topic Covered**	**Practical/Activities**
April	1. Sets 2. Relations and functions	Assignment on Sets **Activity 1** - To represent set theoretic operations using Venn diagrams. **Activity 2** - To distinguish between a Relation and a Function.
May	3. Trigonometric Functions	Common worksheet on Sets, Relations and functions and Trigonometric Functions during summer vacations. **Activity 3** - To find the values of sine and cosine functions in second, third and fourth quadrants using their given values in first quadrant.
July	4. Complex numbers and quadratic equations 5. Linear Inequalities 6. Permutations and Combinations	Assignment on Complex numbers and quadratic equations and Linear inequalities. **Activity 4** - To interpret geometrically the meaning of i = −1 and its integral powers.
August	Permutations and Combinations (continued) 7. Binomial theorem	Assignment on Permutations and Combinations **Activity 5 -** To construct a Pascal's Triangle and to write binomial expansion for a given positive integral exponent
September	Binomial theorem	Assignment on Binomial Theorem

	(continued)	
October	8. Sequences and series 9. Straight Lines	Assignment on Sequences and series Assignment onStraight Lines **Activity 6** - To demonstrate that the Arithmetic mean of two different positive numbers is always greater than the Geometric mean.
November	10. Conic Sections 11. Introduction to three Dimensional Geometry 12. Limits and derivatives	Assignment onConic Sections **Activity 7** - To construct different types of conic sections. **Activity 8 -** To explain the concept of octants by three mutually perpendicular planes in space Assignment on Introduction to three Dimensional Geometry Assignment onLimits and derivatives **Activity 9** - Verification of the geometrical significance of derivatives.
December	13. Statistics 14. Probability	Assignment onStatistics Assignment on Probability **Activity 10** - To write the sample space, when a coin is tossed once, two times, three times, four times.

Informatics Practices		
Month	Chapters and Topic Covered	Practical/Activities
April	**Ch-1** **Computer System Overview** **Introduction to computer and computing: evolution**	**Class presentation activity**

	of computing devices, components of a computer system and their interconnections, Input/output devices. **Computer Memory:** Units of memory, types of memory – primary and secondary, data deletion, its recovery and related security concerns. **Software:** purpose and types – system and application software, generic and specific purpose software. **Ch-2** **Getting started with Python:-** Basics of Python programming, Python interpreter - interactive and script mode **Ch-3** **Python fundamentals:-** The structure of a program, indentation, identifiers, keywords, constants	1) To find average and grade for given marks. 2) To find sale price of an item with given cost and discount (%).
May	**Ch-3** Variables, types of operators, precedence of operators, data types, mutable and immutable data types **Ch-4** **Data Handling:-** Statements, expressions, evaluation and comments, input and output statements, data type conversion, debugging.	1) To calculate perimeter/circumference and area of shapes such as triangle, rectangle, square and circle. 2) To calculate Simple and Compound interest. 3) To calculate profit-loss for given Cost and Sell Price. 4) To calculate EMI for Amount, Period and Interest. 5) To calculate tax - GST / Income Tax.

July	**Ch-5** **Flow of control:-** **Control Statements: if-else, if-elif-else, while loop, for loop** **Ch-6** **List Manipulation:-: list operations - creating, initializing, traversing and manipulating lists, list methods and built-in functions – len(),list(),append(),insert(), count(),index(),remove(), pop(), reverse(), sort(), min(),max(),sum()**	**1) To find the largest and smallest numbers in a list.** **2) To find the third largest/smallest number in a list. 10. To find the sum of squares of the first 100 natural numbers.** **3) To print the first 'n' multiples of given number.** **4) To count the number of vowels in user entered string.** **5) To print the words starting with a alphabet in a user entered string.** **6) To print number of occurrences of a given alphabet in each string.**
August	**Ch-7** **Dictionaries:-** **concept of key-value pair, creating, initializing, traversing, updating and deleting elements, dictionary methods and built-in functions – dict(), len(), keys(), values(), items(), update(), del(), clear()** **Ch-8** **Database concepts** **Database Concepts: Introduction to database concepts and its need, Database Management System. Relational data model: Concept of domain, tuple, relation, candidate key, primary key, alternate key**	**1) Create a dictionary to store names of states and their capitals.** **2) Create a dictionary of students to store names and marks obtained in 5 subjects.** **3) To print the highest and lowest values in the dictionary.**

September	**Ch-9** **Structured Query Language:-** **Advantages of using Structured Query Language, Data Definition Language, Data Query Language and Data Manipulation Language, Introduction to MySQL, creating a database using MySQL**	**1) To create a database** **2) To create student table with the student id, class, section, gender, name, dob, and marks as attributes where the student id is the primary key.** **3)To insert the details of at least 10 students in the above table.** **4) To display the entire content of table.** **5) To display Rno, Name and Marks of those students who are scoring marks more than 50.** **6) To display Rno, Name, DOB of those students who are born between '2005-01-01' and '2005-12-31'.**
October	**Ch-9** **Data Types Data Definition: CREATE DATABASE, CREATE TABLE, DROP, ALTER Data Query: SELECT, FROM, WHERE with relational operators, BETWEEN, logical operators, IS NULL, IS NOT NULL Data Manipulation: INSERT, DELETE,UPDATE** **Ch-10** **Emerging Trends:-** **Artificial Intelligence, Machine Learning, Natural Language Processing, Immersive experience (AR, VR), Robotics, Big data and its characteristics, Internet of Things (IoT), Sensors, Smart cities, Cloud Computing and Cloud Services (SaaS, IaaS, PaaS); Grid Computing,**	**Practical work would be completed according to the topics** **Making a toy robot and powerpoint presentation based on the topic**

	Block chain technology	
November till First week	**Discussion of group projects**	**Project work to be started**

Accountancy		
Month	Chapters and Topic Covered	Practical/Activities
April	2. Accounting terms 7. Rules of debit and credit	Match the correct pairs terms with meaning
May	1.Meaning and objectives of accounting 2 Accounting principles 3.Journal entries	Accounting quiz 1 Actions for transactions
July	4. Process and bases of accounting 5. Accounting standards 6. Accounting equations 7 origin of transactions	Prepare accounting process Drag the words in correct boxes Choosing the correct answer after knowing the rules of debit and credit
August	10.Accounting for goods and service tax 11. Cash book 12. Subsidiary books 29. Rectification of errors	Prepare a file For verious slabs of GST and which products or services come under this categories
September	13. Ledger 14 trial balance 15 Bank reconciliation statement	Difference between cash book and pass book and their working

October	16. Depreciation 17. provisions and reserves 21.Financial statements 22. Financial statements with adjustments	Making of project file on sole proprietorship
November till First week	20. Capital and revenue 23. Accounts from incomplete records	Class quiz over double entry and single entry system

Business Studies		
Month	Chapters and Topic Covered	Practical/Activities
April	1.Nature and purpose of business organisation	Introducing the students about industries
May	2.Forms of business organisations	Make them collect names of various types of organisations and and put them in different categories
July	3.Private public and global enterprises 4.Business services 5.Emerging modes of business	Quiz, case studies regarding the topic
August	7. Business finance 8. Small business	Quiz and case studies
September	9. Internal trade 6. Social responsibility of business and business ethics	Reasons for performing social responsibility by business and their benefits
October	10. Internal business	Collection of Various documents used in international and their uses
November till First week		

Physical Education		
Month	Chapters and Topic Covered	Practical/Activities
April	**CHAPTER-1 CHANGING TRENDS & CAREER IN PHYSICAL EDUCATION** ● **Concept ,Aim & Objectives of physical education** ● **Changing trends in sports - playing surface, wearable gears and sports equipment, technological advancements** ● **Career options in physical education** ● **Khelo india and fit india program**	**Topics will be discussed for Practical Project**
May	**CHAPTER-2 OLYMPISM** ● **Ancient and modern olympics** ● **Olympism- concept and olympics values** ● **Olympics- symbol, motto, flag, oath, and anthem** ● **Olympic movement structure- IOC, NOC,IFS, other members**	● **Class Test**
July	**CHAPTER-3 YOGA** ● **Meaning & importance of yoga** ● **Introduction to ashtanga yoga** ● **Introduction to yogic kriyas(shat karma)** **CHAPTER-4 PHYSICAL EDUCATION & SPORTS FOR CWSN** ● **Concept of disability and disorder** ● **Types of disability,**	● **Periodic Test 1**

	its causes and nature ● **Aim & objective of adaptive physical education** ● **Role of various professionals for children with special needs**	
August	**CHAPTER-5 PHYSICAL FITNESS, HEALTH AND WELLNESS** ● **Meaning and importance of wellness, health and physical fitness** ● **components/dimensions of wellness, health and physical fitness** ● **Traditional sports & regional games for promoting wellness** **CHAPTER-6 TEST, MEASUREMENT & EVALUATION** ● **Concept of test , measurement & evaluation in physical education & sports.** ● **Classification of test in physical education and sports.** ● **Test administration guidelines in physical education and sports.**	
September	**CHAPTER-7 FUNDAMENTALS OF ANATOMY, PHYSIOLOGY IN SPORTS** ● **Definition and importance of anatomy and**	

	physiology in exercise and sports ● **Functions of skeletal system, classification of bones and types of joints.** ● **Function and structure of circulatory system and heart.** ● **Function and structure of respiratory system**	
October	**CHAPTER-8 FUNDAMENTALS OF KINESIOLOGY AND BIOMECHANICS IN SPORTS** ● **Definition and importance of kinesiology and biomechanics in sports** ● **Principles of biomechanics** ● **Types of body movements** ● **Axis and planes-concept and its application in body movements** **CHAPTER-9 PSYCHOLOGY & SPORTS** ● **Definition & importance of psychology in physical education & sports** ● **Adolescent problems & their management** ● **Team cohesion and sports**	
November till First week	**CHAPTER-10 TRAINING AND DOPING IN SPORTS**	

	Concept and principles of sports training **Training load: over load, adaptation, and recovery** **Concept of doping and its disadvantages**	

Economics		
Month	Chapters and Topic Covered	Practical/Activities
April	**Unit 1 of Micro** CH 1: Introduction [Micro] **Unit 1 of Statistics** CH 1: Introduction	Topics will be discussed for Practical Project Students will be asked to collect information relevant to their topic and submit a hard copy of the same
May	**Unit 2 of Micro** CH 2: Consumer's Equilibrium **Unit 1 of Statistics** CH 2: Meaning, Scope, Functions and Importance of Statistics	
July	**Unit 2 of Micro** CH 3: Demand CH 4: Elasticity of Demand	

	Unit 2 of Statistics CH 3: Collection of Data CH 4: Organisation of Data	
August	**Unit 3 of Micro** CH 5: Cost **Unit 2 of Statistics** CH 5: Tabular Presentation CH 6: Diagrammatic Presentation CH 7: Graphic Presentation	
September	**Unit 3 of Micro** CH 6: Revenue **Unit 3 of Statistics** CH 8: Measures of Central Tendency- Arithmetic Mean	Format of the Project File will be discussed
October	**Unit 3 of Micro** CH 7: Producer's Equilibrium CH 8: Supply **Unit 3 of Statistics** CH 9: Measures of Central Tendency- Median and Mode	Review: Students will work on presentation part and make the file

November till First week	**Unit 4 of Micro** CH 9: Main Market Forms CH 10: Price Determination and Simple Applications **Unit 3 of Statistics** CH 10: Measures of Correlation CH 11: Index Numbers	**AIL- PPT to be made based on the topic of the Project**