

ST. MARK'S SR. SEC. PUBLIC SCHOOL
HOLIDAY HOMEWORK (2023-2024)
CLASS – XI

ENGLISH

PROJECT-PORTFOLIO/ PROJECT REPORT

The Project-Portfolio/Project Report is a compilation of the work that the students will produce during the process of working on their ALS Project.

1. Choose any one of the suggested topics
 - i. Cryptocurrency
 - ii. India-A superpower in the making
 - iii. E- Sports
 - iv. Conventional vs Non-Conventional Career options
 - v. Artificial Intelligence
 - vi. Gender Sensitivity
 - vii. Gym Vs Yoga
 - viii. Cashless India
 - ix. Traditional Media Vs Digital Media
 - x. Online Shopping Mania

The Project-Portfolio should include the following:

- Cover page,- Pictorial representation of the topic/graphic/ creative . Topic must be written
- School details: Name of the school, school address & telephone number, name of the Principal, name of the teacher and details of students(team members)
- Statement of purpose/objectives/introduction: the point you are trying to prove, learning outcome/Why have you chosen the topic?
- Certificate of completion.
- Action plan for the completion of assigned tasks:
- **TOOLS**
 - Survey
 - Interview
 - Debate
 - Graphs
 - Script
 - Meeting/Discussion(with teachers/team members) pics
- **METHODS**
 - Evidence
 - Survey Sheets
 - Pictures
 - Discussions
 - Records
 - Reference: podcasts, interviews, blogs, videos
 - Research- Comparative study is a must

All such responses to be added at the end of the portfolio

ECONOMICS

Make one questionnaire and do CASE STUDY /research on the topic on which you prepared the questionnaire.

Note:

1. Questionnaire should comprise of 20 MCQ's.
2. Questionnaires can be typed but case study should be handwritten,
3. Qualities of a good questionnaire should be followed while drafting the questionnaire.

Topics for questionnaire are suggested below:

1. Demographic survey of your neighbourhood.
2. Market survey of product -example- automobiles, televisions, Tooth paste, soft drinks, wall paint, washing detergent, soap, shoes, newspaper, furniture, mobile phones, computers etc.
3. Online shopping option.
4. Customer satisfaction surveys designed to help businesses understand what their customers think about their products or services, their brand and their customer support.
5. Impact of international events on Indian economy, Environmental issues
6. Brand awareness survey- of clothes, of handbags, watches in India, for women, for men etc.
7. Post event survey- fundraising events, store openings, training courses, conferences, award ceremonies, live performances etc.
8. Sports participation questionnaire
9. Vacation travel survey,
10. Economic problems like: Inflation, population, Unemployment etc

ART INTEGRATED LEARNING ACTIVITY (AIL)

Use any **ONE** of the following activities to explain or exhibit an Economic concept.

Mind mapping, flowchart, sketching, painting, use of contrast as an expressive element of art, newspaper/ newsletter, collage and mosaic work with a variety of coloured papers and coloured printed pictures/ photographs from magazines and newspapers, power point presentation, video with voice over.

Examples of Economic concept—

1. Challenges of Indian economy.
2. Demand and supply
3. Sustainable development
4. Consumer goods and producer goods.
5. Economic policies like: Atamanirbhar Bharat, Skill India, Start-ups, Make in India-make for the world
6. Scarcity and economic problem, budget
7. Goods and Services Tax (GST)
8. National Infrastructure Pipeline (NIP)

POLITICAL SCIENCE

Prepare a rough draft on any one of the following topics. The rough draft should have complete and detailed information along with a critical analysis of the topics. It should include newspaper articles and political cartoons.

- (1) Making of the Constitution / Role of Constituent Assembly;/constituent assembly members.(Pl refer to Constituent Assembly Debates for this project)
- (2) Constitution as a living document – Amendments to the Constitution especially the 42nd amendment and recent amendments.
- (3) Elections: a) Role of Election Commission; b) Elections 2019- Case study
- (4) Parliament of India: Composition and Role of Lok Sabha and Rajya Sabha; pls focus on how parliament functioned during the time of Pandemic
- (5) Power and Position of Prime Minister of India: From Pandit Jawaharlal Nehru to Mr. Narendra Modi;
- (6) Power and Position of President of India: From Dr. Rajendra Prasad to Ms. Droupadi Murmu;
- (7) Judicial Activism: some notable PIL's –
 - a) Vishakha vs State of Rajasthan (sexual harassment),
 - b) Hussainara Khatoon vs State of Bihar (Bihar under-trial case),
 - c) MC Mehta vs Union of India (Bhopal gas tragedy), d) Indira Sawhney vs Union of India (Reservations)
- (8) Greek Political Thinkers -Socrates, Plato, Aristotle
- (9) Creative depiction of Gandhian political thought
- (10) Karl Marx and his ideas
- (11) Contributions of
 - a) Nelson Mandela-Struggle against Apartheid
 - b) Martin Luther King Jr. for the protection of civil liberties;
 - c) Kailash Satyarthi and his role in the prevention of Child Labour
- (12) Case study - Protection of Human Rights
- (13) Asymmetric Federalism- Case Study Jammu and Kashmir
- (14) Secularism- Case Study-India
- (15) Social justice
- (16) Equality and Freedom- Issues - Rejecting Gender Bias

ART INTEGRATED LEARNING ACTIVITY (AIL)

The project should also include AIL activities in the form of--PowerPoint Presentations, Speech, enactment, Model United Nations, Videos, Caricatures, animated videos, paintings, traditional art forms like warli, paintings, and poems, and file in pdf format will be incorporated into project topics.

HISTORY

Project Work:

Prepare a rough draft on one of the following topics. The rough draft should have complete and detailed information along with the critical analysis of the topic.

1. Facets of industrialization in sixteenth -eighteenth centuries.
2. Crusades :Causes; rationale; Events; outcomes : holy alliance.
3. Ancient History in depth; Mesopotamia.
4. Contributions of Roman civilization.
5. Greek philosophy and city states.
6. The spirit of Renaissance: manifestation in art; Literature; Sculpture: influence on trading community; Social fabric; Philosophy; Political values; Rational thinking.
7. Aspects of development: South America states: Central American states
8. Different schools of thought: Realism: Romanticism: Humanism.
9. Piecing together the past of Genghis Khan.
10. Myriad realms of slavery in ancient, medieval and modern world.
11. History of Aborigines: America/Australia.
12. Facets of modernization: Japan/China/Korea.

AIL Project-For this activity students will work in groups. Each group comprising of 4-5 students.

Power Point presentations, Virtual tours, Poetry enactment, Videos with voice over, Videos of music and dance performance, Sketching, Painting, Mind mapping can be incorporated in creative depiction of these topics.

INFORMATICS PRACTICES

1. Prepare the PowerPoint / Mind Map / Animated Video on the given topic

Introduction to the Emerging Trends [ART INTEGRATED LEARNING ACTIVITY (AIL)]

- 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, Block chain technology.

Note: They can do the homework in group of 3 student. Each and every topic must be included in the homework by each group.

2. Make your practical file with minimum 25 python programs (INCLUDING IF STATEMENT).
(INDIVIDUAL FILE)

HOME SCIENCE

- I. (a) Analyze label of any one garment with respect to: clarity, fiber content, size and care instructions.
(b) Prepare one care label of any garment.
(c) Analyze two different fabric samples for colour fastness.
- II. Record own diet for a day and evaluate qualitatively for adequacy.
- III. Plan a budget for a given situation/purpose
- IV. Observe developmental norms: (Physical, Motor, Language and Social - emotional) birth to three years.
- V. Create a **Digital Recipe Book** of *Traditional foods* (5 each) of Delhi and Lakshadweep & Andaman & Nicobar Islands (Group Activity – 5 each) (**Art Integrated Project**)

PHYSICAL EDUCATION

1. Track and Field Events chart
2. 5 yoga asanas with pictures and with benefits

SOCIOLOGY

1. Research project

Students of class XI are requested to submit a research-based project on any 1 of the contemporary social issues.

List of topics –

- a. Submit a piece of research on Queer studies and LGBT rights in India. Section 377.
- b. Health care policies and maternal health in India.
- c. Research on increasing cases of Substance abuse among the youth in India.
- d. Submit a piece of research on how Indians perceive mental health.
- e. Crime against senior citizens in India.
- f. Bullying among youth.
- g. Population explosion - A relative study on unemployment
- h. Peer pressure among youth
- i. Human trafficking in India
- j. Impact of social media on the youths.
- k. Caste system: a socio-economic study.
- l. A study on tribal population of India.
- m. Major challenges faced by the transgender community of India.
- n. Gender and sexuality.
- o. Patriarchal study in Indian family.
- p. Changing trends in marriage and family.
- q. Socio-cultural impact of childless married couples.
- r. Impact of social media.
- s. Intensive study on culture, superstition and ritualism in India.
- t. Changing habits of food culture.

INSTRUCTIONS:

- A. Conduct interviews, surveys and then pen down your observation
- B. With the help of your presentation prepare a beautifully decorated project file (this should be handwritten. Typed or printed sheets would not be considered)
- C. Project file should be made in the given sequence –
 - a. Cover page with title
 - b. Acknowledgement
 - c. Certificate
 - d. Index
 - e. Research questions
 - f. Introduction of the topic
 - g. Statement of purpose/Rationale of your study
 - h. Why did you choose the topic
 - i. Objective of your study
 - j. Review of literature – should be in the following sequence
 - Title of the article/book - year of publication
 - Name of the author – introduction (a small summary of the article/book)
 - Objectives of the article/book
 - Main argument of the author
 - Results and finding
 - Conclusion of article
 - Methodology – how will you conduct your research (definition of method chosen, why the method is appropriate for the topic chosen, advantages and disadvantages of method)
 - Methods are interview, case study, observation
 - Questionnaire – should have 15 questions. It can include open ended and close ended questions
 - Presentation of secondary evidences such as newspaper and magazine articles
 - Observation and data analysis – interpret any 8 questions either through a pie chart or bar diagram
 - Conclusion – it should include the inferences you draw from your research
 - Bibliography – mention all the sources you have collected the data of your research from
 - Attempt a **Sociological analysis of your favourite Movie or tv- series**. Movies tells us a lot about society, culture and current scenario of the country. A movie may discuss Social roles in a particular time and culture, history, views of morality, cultural fears, caste, class, gender discrimination and many other sociological facets. Through reviewing the movie from a sociological perspective, a student can gain insight into not just a particular director or writer's vision, but how contemporary society views itself and its world.
 - ASK QUESTIONS LIKE:
 - 1. What is the major theme of the movie?
 - 2. In what ways the movie reflects the events and social reality of its time and in what ways it distorts them.
 - 3. Ask if the movie reflects on universal human concerns and problems and, if so, how?
 - Include events from the plot, descriptions of important scenes, and direct quotes from character dialogue to make your point.

2. PPT project –

Students of class XI are requested to make a group of 5 members to make this power-point presentation on any of the topics.

- a. Race, nationality and ethnicity
- b. Impact of social media trends on behavioral patterns of youths.
- c. Child abuse and neglect.
- d. Ill effects of human trafficking.
- e. Social movements
- f. Tribes of India
- g. Youth culture
- h. Changing patterns of Marriages of India
- i. Changing patterns of family in India.

ACCOUNTANCY

1. Prepare accounting equation for the following:

		(₹)
1.	Sandeep started business with Cash	1,00,000
2.	Purchased furniture for cash	5,000
3.	Purchased goods for cash	20,000
4.	Purchased goods on credit	36,000
5.	Paid for rent	700
6.	Goods costing ₹ 40,000 sold at a profit of 20% for cash	

2. Prepare accounting equation for the following:

		(₹)
(i)	Manu started business with cash	50,000
(ii)	Bought furniture for	500
(iii)	Purchased goods on credit	4,000
(iv)	Sold goods on cash (cost ₹ 500) for	700
(v)	Received rent	200
(vi)	Purchased goods for cash	1,000
(vii)	Withdrew for personal use	700
(viii)	Paid to creditors	400
(ix)	Paid for salaries	200

3. Prepare accounting equation for the following:
 - a) Started business with Cash ₹ 2,00,000.
 - b) Purchased goods for Cash ₹ 60,000 and on Credit ₹ 1,50,000.
 - c) Sold goods for Cash costing ₹ 40,000 at a profit of 20% and on Credit costing ₹ 72,000 at a profit of 25%
 - d) Paid for Rent ₹ 5,000.

4. Prepare accounting equation for the following:
 - a) Started business with cash ₹ 75,000 and goods ₹ 25,000.
 - b) Paid for Rent ₹ 2,000.
 - c) Bought goods for cash ₹ 30,000 and on credit for ₹ 44,000.
 - d) Goods costing ₹ 50,000 sold at a profit of 25%, out of which ₹ 27,500 received in Cash.
 - e) Purchased a Motor-cycle for personal use ₹ 20,000.

5. Prepare accounting equation for the following:
 - f) Raghu started business with Cash ₹1,50,000
 - g) Bought goods for cash ₹80,000 and on credit for ₹40,000.
 - h) Goods costing ₹75,000 sold at a profit of 33.33%. Half the payment received in cash.
 - i) Goods costing ₹10,000 sold for ₹12,000 on credit.
 - j) Paid for Rent ₹2,000 and for salaries ₹4,000.
 - k) Goods costing ₹20,000 sold for ₹18,500 for Cash.

5. 'A' commenced his cloth business on 1st April, 2011 with a capital of ₹ 3,00,000. On 31st March, 2012 his assets were worth ₹ 5,00,000 and liabilities ₹ 1,00,000. Find out his closing capital and profits earned during the year.

6. Yogesh commenced business on 1st April, 2011 with a Capital of ₹ 5,00,000 and a loan of ₹ 1,00,000 borrowed from Citi Bank. On 31st March, 2012, his assets were ₹ 8,00,000. Calculate his closing capital and profits earned during the year.

7. Show the accounting equation on the basis of following transactions:
 - a) Commenced business with Cash ₹ 20,000; Goods ₹ 50,000 and Furniture ₹ 30,000.
 - b) Purchased goods from Gopal on Credit ₹ 40,000.
 - c) Sold goods for Cash ₹ 40,000 (costing ₹ 30,000).
 - d) Sold goods to Ram on Credit ₹ 65,000 (costing ₹ 50,000).
 - e) Withdrew for personal use goods costing ₹ 5,000.
 - f) Purchased typewriter for personal use of the proprietor ₹ 20,000.
 - g) Purchased chairs for office use for Cash ₹ 10,000.
 - h) Paid for printing ₹ 500 and received Commission ₹ 1,200.
 - i) Introduced fresh Capital ₹ 40,000.
 - j) Paid to Gopal ₹ 30,000.

8. Y started a business on 1st April, 2013 with a Capital of ₹ 2,00,000 and a loan of ₹ 75,000 from the bank. During the year, he had introduced additional capital of ₹ 60,000 and had withdrawn ₹ 36,000 for personal purposes. On 31st March, 2014 his assets were ₹ 3,80,000. Find out his Capital as on 31st March, 2014 and profit earned during the year 2013-14.
9. Prove that accounting equation is satisfied in all the following cases:
- Commenced business with cash ₹ 50,000.
 - Paid rent ₹ 4,000 including ₹ 1,000 as advance.
 - Bought goods for cash ₹ 30,000 and on credit ₹ 20,000.
 - Sold the goods bought on credit for ₹ 25,000.
 - Purchased furniture worth ₹ 10,000 for office use and for ₹ 5,000 for domestic use.

★ Select a business organisation and collect/design/download the following Source Document from that and present them in a Scrapbook.

- Cash Memo (Cash Bill)
- Invoice or Bill
- Receipt
- Salary Slip
- Pay-in Slip
- Cheque
- Debit Note
- Credit Note
- Purchase Order
- Cash Deposit Slip

ART INTEGRATED LEARNING ACTIVITY (AIL)

Students are required to prepare a group of 4-5 students from class and do the following two activities as part of their AIL Project

(A) Select any one of the following activities -

- Prepare a Mind Map using any IT based software, Infographics.
- Skit based on real life situations, exercises of plot and conflict based on stories from textbooks or movies or classical dramas.
- Use of pencil, charcoal, water colour, crayon, oil colours, poster colour, acrylic colour and other unconventional sources of colours such as vermilion yellow and red earth, rice flour, and tools like painting brushes for water colors and oil colours, painting surfaces such as papers of various kinds and quality like canvas, hardboard, simple marking cloth pasted on paper, use of Rangoli, etc.
- Collage and mosaic work with a variety of coloured papers and coloured printed pictures/photographs from magazines and newspapers.

(B) PPT /Video /Film Making/ Animated Video on any topic of your choice from Accountancy Syllabus.

Suggested topics for AIL

- (i) Basic Accounting terms
- (ii) Theory base of Accounting
- (iii) Skit based on Opening of bank account and reconciling the differences of bank and cash book
- (iv) Rules of Debit and Credit
- (v) Business transactions and its effect on Accounting Process
- (vi) Rectification of errors, etc

BUSINESS STUDIES

Students are required to prepare a project file from **ANY ONE** out of the following five given topics

I. Project One: Field Visit

The students should select **ANY ONE** place of field visit from the following: –

- 1. Visit to a Handicraft unit.
- 2. Visit to an Industry.
- 3. Visit to a Whole sale market (vegetables, fruits, flowers, grains, garments, etc.)
- 4. Visit to a Departmental store.
- 5. Visit to a Mall.

1. Visit to a Handicraft Unit

The purpose of visiting a Handicraft unit is to understand nature and scope of its business, stake holders involved and other aspects as outlined below:

- a) The raw material and the processes used in the business: People /parties/firms from which they obtain their raw material.
- b) The market, the buyers, the middlemen, and the areas covered.
- c) The countries to which exports are made.
- d) Mode of payment to workers, suppliers etc.
- e) Working conditions.
- f) Modernization of the process over a period of time.
- g) Facilities, security and training for the staff and workers.
- h) Subsidies available/ availed.
- i) Any other aspect that the teachers deem fit.

2. Visit to an Industry.

The students are required to observe the following:

- a) Nature of the business organisation.
- b) Determinants for location of business unit.
- c) Form of business enterprise: Sole Proprietorship, Partnership, Undivided Hindu Family, Joint Stock Company (a Multinational Company).
- d) Different stages of production/process
- e) Auxiliaries involved in the process.

- f) Workers employed, method of wage payment, training programmes and facilities available.
- g) Social responsibilities discharged towards workers, investors, society, environment and government.
- h) Levels of management.
- i) Code of conduct for employers and employees.
- j) Capital structure employed- borrowed v/s owned.
- k) Quality control, recycling of defective goods.
- l) Subsidies available/availed.
- m) Safety Measures employed.
- n) Working conditions for labour in observation of Labour Laws.
- o) Storage of raw material and finished goods.
- p) Transport management for employees, raw material and finished goods.
- q) Functioning of various departments and coordination among them (Production, Human Resource, Finance and Marketing)
- r) Waste Management.
- s) Any other observation.

3. Visit to a whole sale market: vegetables/fruits/flowers/grains/garments etc.

The students are required to observe the following:

- a) Sources of merchandise.
- b) Local market practices.
- c) Any linked-up businesses like transporters, packagers, money lenders, agents, etc.
- d) Nature of the goods dealt in.
- e) Types of buyers and sellers.
- f) Mode of the goods dispersed, minimum quantity sold, types of packaging employed.
- g) Factors determining the price fluctuations.
- h) Seasonal factors (if any) affecting the business.
- i) Weekly/ monthly non-working days.
- j) Strikes, if any- causes thereof.
- k) Mode of payments.
- l) Wastage and disposal of dead stock.
- m) Nature of price fluctuations, reason thereof.
- n) Warehousing facilities available\availed.
- o) Any other aspect.

4. Visit to a Departmental store

The students are required to observe the following:

- a) Different departments and their lay out.
- b) Nature of products offered for sale.
- c) Display of fresh arrivals.
- d) Promotional campaigns.
- e) Spaces and advertisements.
- f) Assistance by Sales Personnel.
- g) Billing counter at store – Cash, Credit Card/ Debit Card, swipe facility. Added attractions and facilities at the counter.
- h) Additional facilities offered to customers
- i) Any other relevant aspect.

5. Visit to a Mall.

The students are required to observe the following:

- a) Number of floors, shops occupied and unoccupied.
- b) Nature of shops, their ownership status
- c) Nature of goods dealt in: local brands, international brands,
- d) Service business shops- Spas, gym, saloons etc.
- e) Rented spaces, owned spaces,
- f) Different types of promotional schemes.
- g) Most visited shops.
- h) Special attractions of the Mall- Food court, Gaming zone or Cinema etc.
- i) Innovative facilities.
- j) Parking facilities.

II. Project Two: Case Study on a Product

Take **any one** product having seasonal growth and regular demand with which students can relate. For example,

- Apples from Himachal Pradesh, Kashmir.
- Oranges from Nagpur,
- Mangoes from Maharashtra/U.P./Bihar/Andhra Pradesh etc.
- Strawberries from Panchgani,
- Aloe vera from Rajasthan,
- Walnuts/almonds from Kashmir,
- Jackfruit from South,
- Guavas from Allahabad,
- Pineapples from North East India,
- Tea from Assam,
- Orchids from Sikkim and Meghalaya,
- Pottery of Manipur,
- Fishes from coastal areas.

Students may develop a Case Study on the following lines:

- i. Research for change in price of the product. For example, apples in Himachal Pradesh during plucking and non plucking season.
- ii. Effect on prices in the absence of effective transport system.
- iii. Effect on prices in the absence of suitable warehouse facilities.
- iv. Duties performed by the warehouses.
- v. Demand and supply situation of the product during harvesting season, prices near the place of origin and away.

Students have to find out the importance of producing and selling these products and their processed items along with the roles of Transport, Warehousing, Advertising, Banking, Insurance, Packaging, Wholesale selling, Retailing, Co-operative farming, Co-operative marketing etc. The teacher may develop the points for other projects on similar lines for students to work on.

III. Project Three: Aids to Trade

Taking any **ONE AID TO TRADE**, for example Insurance and gathering information on following aspects

- a) History of Insurance Lloyd's contribution.
- b) Development of regulatory Mechanism.
- c) Insurance Companies in India
- d) Principles of Insurance.
- e) Types of Insurance. Importance of insurance to the businessmen.
- f) Benefits of crop, orchards, animal and poultry insurance to the farmers.
- g) Terminologies used (premium, face value, market value, maturity value, surrender value) and their meanings.
- h) Anecdotes and interesting cases of insurance. Reference of films depicting people committing fraudulent acts with insurance companies.
- i) Careers in Insurance.

IV. Project Four: Import /Export Procedure

Any **ONE** from the following

1. Import procedure
2. Export procedure

- The students should identify a product of their city/country which is imported /exported. They are required to find the details of the actual import/export procedure. They may take help from the Chambers of Commerce, Banker, existing Importers/Exporters, etc.
- They should find details of the procedure and link it with their Text knowledge.
- The specimens of documents collected should be pasted in the Project file with brief description of each. They may also visit railway godowns/dockyards/ transport agencies and may collect pictures of the same.

V. Project Five: A visit to any State Emporium (other than your school state).

The purpose of this project is that it leads to –

- Development of deeper understanding of the diversity of products in the states like Assam, Tripura, Nagaland, Mizoram, Manipur, Meghalaya, Sikkim, Arunachal Pradesh, Jammu and Kashmir, Kerala, Chhatisgarh, Telangana, Andhra Pradesh and other states of the country.
- Sensitization and orientation of students about other states, their trade, business and commerce,
- Understanding the cultural and socio-economic aspects of the state by the students,
- Developing the understanding of role of folk art, artisanship and craftsmanship of the state in its growth and economic development.
- Understanding the role of gifts of nature and natural produce in the development of trade, business and commerce.
- Understanding the role of vocational skills and abilities on the livelihood of artisans/ craftsman.

- Understanding of entrepreneurial skills and abilities of the artisans/craftsman.
- Understanding of the unemployment problem of the state and role of art and craft of the state in generating employment opportunities.
- Value aspect - Sense of gratitude - by appreciating the contributions made by others in the betterment of our lives
- Appreciating the dignity of work
- Sensitivity towards social, cultural, ethnical and religious differences Benefits of social harmony and peace
- Understanding and appreciating the unity in diversity in India
- Appreciating differences in race, skin colour, languages, religion, habits, festivals, clothing coexistence

The project work will include:

- a) Nature of the business organisation (emporium)
- b) Determinants for location of the concerned emporium
- c) Is the space rented or owned
- d) Nature of the goods dealt in
- e) Sources of merchandise of the emporium
- f) Role of co-operative societies in the manufacturing and/or marketing of the merchandise
- g) Role of gifts of nature or natural produce in the development of goods/merchandise
- h) Types of buyers and sellers
- i) Modes of goods dispersed, minimum quantity sold and type of carrying bag or package used for delivery of the products sold
- j) Factors determining the pricing at the emporium
- k) Comparison between the prices of goods available at the emporium with the prices in the open market. Also highlight probable causes of variations if any.
- l) Kind of raw material available naturally, used in making the products.
- m) The technique used in making the products i.e., hand made or machine made
- n) Has the child labour being used in making the products sold at the emporium
- o) Are the products eco-friendly, in terms of manufacturing, disposal and packing.
- p) Seasonal factors if any affecting the business of the emporium.
- q) Weekly/ Monthly non-working days.
- r) Mode of billing and payments - Cash, Credit Card/ Debit Card, Swipe facility.
- s) Does the emporium sell its merchandise in installment / deferred payment basis
- t) Do they provide home delivery and after sales services.
- u) Different types of promotional campaigns / schemes.
- v) Assistance by Sales Personnel.
- w) Export orientation of this emporium and procedure used.
- x) Policies related to damaged/ returned goods.
- y) Any government facility available to the emporium.
- z) Warehousing facilities available / availed.
- aa) Impact of tourism on the business of emporium.
- bb) Additional facility offered to customers.
- cc) Any Corporate Social Responsibility (CSR) assumed by the emporium.
- dd) Contribution made by the emporium to its locality

Presentation and submission of project report.**Following essentials are required to be fulfilled for its preparation and submission.**

Each student will prepare and submit his/her project report. Following essentials are required to be fulfilled for its preparation and submission.

1. The total project will be in a file format.
2. The total length of the project will be of 30 to 40 pages.
3. The project will be handwritten.
4. The project will be presented in a neat folder.
5. The project report will be developed in the following sequence-
 - Cover page should project the title, student information, school and year.
 - List of contents.
 - Acknowledgements (acknowledging the institution, the news papers read, T.V. channels viewed, places visited and persons who have helped).
 - Introduction.
 - Topic with suitable heading.
 - Planning and activities done during the project, if any.
 - Observations and findings while conducting the project.
 - Photographs
 - News paper clippings to reflect the changes of share prices.
 - Conclusions (summarised suggestions or findings, future scope of study).
 - Questionnaire based on the topic selected and its Analysis which would either be graphically or through diagrammatic representation

ART INTEGRATED LEARNING ACTIVITY (AIL)

Students are required to prepare a group of 4-5 students from class and do **ANY ONE** out of the given activities

1. Prepare an advertisement/brochure/pamphlet.
2. Role Play (Can be performed or Animated) based on real life situations, exercises of plot and conflict based on stories from textbooks or movies or classical dramas.
3. Character Dramatization of any famous businessman (e.g., Azim Premji, Mukesh Ambani, Uday Kotak, Ratan Tata etc.)
4. Puppet show (Construction of puppets and their costumes and improvised puppet stage or theatre).
5. Digital Posters
6. Making of mind map/drawings/paintings, using pencil, charcoal, water colour, crayon, oil colours, poster colour, acrylic colour and other unconventional sources of colours such as vermilion yellow and red earth, rice flour, and tolls like painting brushes for water colours and oil colours, painting surfaces such as papers of various kinds and quality like canvas, hardboard, simple marking cloth pasted on paper, use of Rangoli(on fabric/wall/floor or digital), etc.
7. Video with voice over.
8. Collage making using coloured papers.
9. Comic Strip with a variety of coloured papers and coloured printed pictures/photographs from magazines and newspapers.
10. PPT /Video /Film Making/ Animated Video on any topic of your choice from Business Studies Syllabus

Suggested topics for AIL

1. Types of Partners
2. Formation of a Company
3. Forms of Business Organisations
4. Role play based on Banking, Insurance and Warehousing
5. Channels of Distribution
6. Services of Wholesalers and Retailers
7. Import Export Procedure

Business Finance or any other topic of your choice from the textbook.

MATHEMATICS

Students are required to prepare an activity file explaining the

Objective

Materials required/ used

Demonstration

Method of Construction

Observations and applications. (minimum two examples are to be used while explaining the applications)

Activities:

1. Find number of subsets of a given set and verify that if a set has n elements then the number of subsets is 2^n .
2. Represent set theoretic operations using Venn Diagrams.
3. To verify distributive law for 3 given sets A, B and C.
4. To verify the relation between degree measure and radian measure of an angle.
5. To find the values of Sine and Cosine functions in second, third and fourth quadrants using their given values in first quadrant.

AIL Project in group of 5

A video, PPT, Art Work or Model can be prepared showing the creativity and practical application of the topic chosen.

PHYSICS

1. **Prepare an INVESTIGATORY PROJECT/ RESEARCH BASED PROJECT/ WORKING MODEL on any one of the themes given below: -**

- a) Energy
 - b) Transport and Communication
 - c) Space Exploration
 - d) Astronomy
- Or any other suitable branch of Physics

2. **ART INTEGRATED LEARNING ACTIVITY (AIL)**

You are required to any one of the following Activities for Physics Art Integration.

1. To Draw/Paint a Cartoon on Physics having following subtheme.
 - a.) Physical quantities talking to each other.
 - b.) Any law of physics is being depicted.
 - c.) Scientist explaining his/her invention or discovery.

2. To Draw/Paint a Sketch of your favourite Scientist and its famous invention or discovery.
3. To study about different types of Optical illusion and design a Poster showing an Optical Illusion and brief write up explaining the illusion.

P.S. You are allowed to choose any other creative activity for integrating Physics and Art. (But discuss it with me before finalizing it)

BIOLOGY

Creating a tray garden-

Create a tray garden and study all the morphological features (like type of leaves, roots, venation, inflorescence, economic importance etc.) of the plants (minimum two plants), you choose to grow. Check the growth of plants weekly and make a note of it. You can use reusable stuff to decorate it.

ART INTEGRATED LEARNING ACTIVITY (AIL)

Make a poster/sketch/video/poetry expression/comic strip /digital poster/PPT/collage on any one of the given topics.

- Effects of diet on human glucose
- Diabetes and Exercise
- Human glands
- Inspiring nature
- Alternative medicines
- Biomagnification and Bioconcentration
- Effect of antibiotics
- Go Green
- Human physiology
- Study on Probiotics

CHEMISTRY

1. Prepare an investigatory project on any one of the following or any suitable topic and record your observations
 - a. To determine alcohol content in cough syrups.
 - b. To determine tensile strengths of fabrics.
 - c. To prepare an azo dye and use it on a suitable fabric.
 - d. To analyse different components of fruit juices/ toothpastes/ areated drinks/honey etc.
 - e. Aspirin content in painkillers
 - f. Biodiesel
 - g. Harmful effects of hair colours and their comparison with ammonia free hair colours.

2. To perform an art integrated activity on a suitable topic by using any of the following techniques
Suggestions for AIL

1. Cartoon depicting Chemistry
2. Painting using chemistry (chromatography)
3. Painting with electrochemical reactions
4. Charcoal painting of Scientist
5. Poster to create awareness about Noble prize winners in Chemistry

COMPUTER SCIENCE

Title: My Digital World

Objective:

To develop an understanding of the impact of technology on society, law, ethics, and the environment, while also exploring creative expression through art.

Instructions:

Research and write a report on one of the following topics related to technology and society:

- a. Digital Footprints: What are they, how are they created, and how can they affect us?
- b. Cyber Crime: What are the different types of cyber-crime, and how can we protect ourselves from them?
- c. Data Protection: What are the different types of intellectual property rights, and how can we avoid violating them?
- d. Cyber Safety: What are some best practices for safely browsing the web and protecting our identities online?
- e. E-Waste Management: What are the environmental impacts of electronic waste, and how can we properly dispose of used gadgets?

Create a digital art piece (using any medium of your choice) that represents your understanding of the topic you chose. Your art piece should be creative and original and should reflect your personal perspective on the topic.

Write a short reflection on your art piece, explaining the meaning behind it and how it relates to the topic you researched.

Share your report, art piece, and reflection with your teacher.

ART INTEGRATED LEARNING ACTIVITY (AIL)

Create a digital collage using images, text, and symbols that represent your personal digital world. Your collage should include elements that reflect your online persona, your digital interests, and your relationship with technology. Use any digital tool of your choice to create your collage and be creative in your design and layout.

Write a short reflection on your collage, explaining the symbolism behind the different elements and what they mean to you personally.

Suggestive softwares: Adobe Express, Canva, Sketchbook, Tinkercad, GIMP, Procreate, ArtRage, Inkscape, Paint.net, Corel Painter

Note- Student can also create the Movie or mindmap using any OSS software.

Group of maximum 5 students