**SUBJECT ENRICHMENT ACTIVITIES**

**ACADEMIC SESSION 2024-25**

**GRADE 10**

**English:**

April: Write a movie review of a film you recently watched

May: Research and prepare a presentation on the life and works of a famous author

June: Participate in a debate on the topic "Is social media more harmful than beneficial?"

July: Write a descriptive essay on a place you visited during your summer vacation

August: Read a novel by an Indian author and write a book review

September: Conduct a group discussion on the topic "Should animal testing be banned?"

October: Write a script for a short play and perform it in class

November: Research and prepare a presentation on a current event

December: Write a persuasive essay on the topic "Should junk food be banned in schools?"

January: Read a poem by a famous poet and analyze its meaning

February: Write a letter to the editor of a newspaper expressing your opinion on a current issue

March: Prepare for and give a speech on the importance of education

**Math:**

April: Solve problems involving linear equations

May: Practice geometric constructions such as bisecting angles and constructing parallel lines

June: Solve problems involving the Pythagorean theorem

July: Practice finding the area and perimeter of 2D shapes

August: Practice finding the volume and surface area of 3D shapes

September: Solve problems involving trigonometric ratios

October: Practice solving problems involving statistics, such as calculating mean, median, and mode

November: Solve problems involving quadratic equations

December: Practice solving problems involving probability

January: Solve problems involving logarithms

February: Solve problems involving coordinate geometry

March: Practice solving problems involving matrices

**Science:**

April: Conduct an experiment to observe the process of photosynthesis

May: Research and prepare a presentation on the various types of energy sources

June: Conduct an experiment to measure the speed of sound in air

July: Research and prepare a presentation on the importance of biodiversity

August: Conduct an experiment to demonstrate the principle of Archimedes' buoyancy

September: Research and prepare a presentation on the impact of human activities on the environment

October: Conduct an experiment to investigate the relationship between force, mass, and acceleration

November: Research and prepare a presentation on the various types of diseases caused by microbes

December: Conduct an experiment to observe the process of osmosis

January: Research and prepare a presentation on the various types of pollution and their effects on the environment

February: Conduct an experiment to investigate the principle of electromagnetic induction

March: Research and prepare a presentation on the various applications of biotechnology in healthcare and agriculture

**Social Studies:**

April: Research and prepare a presentation on the historical significance of the Indian National Congress

May: Conduct a debate on the topic "Is globalization beneficial for India?"

June: Research and prepare a presentation on the economic reforms in India since 1991

July: Write an essay on the topic "The impact of the Green Revolution on Indian agriculture"

August: Research and prepare a presentation on the Indian Constitution and its salient features

September: Conduct a group discussion on the role of media in a democracy

October: Research and prepare a presentation on the contributions of women to the Indian freedom struggle

November: Write an essay on the topic "The impact of globalization on Indian culture"

December: Research and prepare a presentation on the various types of disasters and their management

January: Conduct a debate on the topic "Should India adopt a two-party political system?"

February: Research and prepare a presentation on the various types of religious movements in India

March: Write an essay on the topic "The role of youth in nation-building"

**Tamil:**

April 2024:

Read a Tamil novel and write a book review

Write a short story in Tamil on a contemporary social issue

Conduct research on the history of Tamil literature and its major writers

May 2024:

Write an essay in Tamil on the importance of preserving traditional Tamil arts and crafts

Create a portfolio of Tamil poems on nature and the environment

Conduct research on the influence of Tamil culture on Southeast Asian countries

June 2024:

Watch a Tamil film and write a film review in Tamil

Conduct research on the development of Tamil cinema and its major directors

Write a script for a short Tamil film on a social issue

**SOCIAL STUDIES:**

April 2024: Research and write a report on the role of Mahatma Gandhi in India's struggle for independence.

May 2024: Conduct a survey on the use of plastic bags in your locality and prepare a report on the harmful effects of plastic pollution.

June 2024: Prepare a timeline of major events that led to the French Revolution and present it to the class.

July 2024: Research and write an essay on the causes and effects of the partition of India.

August 2024: Prepare a project on the different forms of government and their advantages and disadvantages.

September 2024: Conduct a debate on the topic 'Should reservation be based on economic status rather than caste?'

October 2024: Write a critical review of a book or a movie that deals with the theme of communal harmony.

November 2024: Research and write a report on the impact of the Green Revolution on Indian agriculture.

December 2024: Prepare a project on the causes and consequences of the World War II.

January 2025: Conduct a survey on the status of women in your locality and prepare a report on the need for gender equality.

February 2025: Write a research paper on the impact of globalization on Indian economy.

March 2025: Prepare a project on the importance of preserving historical monuments and sites.

**TAMIL:**

April 2024: Read a Tamil novel and write a book review.

May 2024: Prepare a project on the contributions of Tamil scholars to Indian literature.

June 2024: Prepare a skit based on a social issue and present it to the class.

July 2024: Write a poem on the beauty of nature.

August 2024: Conduct a debate on the topic 'Should Tamil be made compulsory in schools across India?'

September 2024: Write an essay on the role of media in modern society.

October 2024: Read a Tamil short story and analyze its themes and characters.

November 2024: Prepare a project on the different types of Tamil cuisine and their cultural significance.

December 2024: Write a letter to the editor on a current issue that affects the Tamil community.

January 2025: Conduct a survey on the use of Tamil language in your locality and prepare a report on its status.

February 2025: Prepare a project on the history and evolution of Tamil music.

March 2025: Write a research paper on the contributions of Tamil Nadu to Indian culture and heritage.

**FRENCH:**

April 2024: Write a short story in French.

May 2024: Prepare a project on the culture and traditions of a French-speaking country.

June 2024: Conduct a debate on the topic 'Should French be made a compulsory language in schools across India?'

July 2024: Read a French novel and write a book review.

August 2024: Prepare a skit based on a French literary work and present it to the class.

September 2024: Write an essay on the importance of learning a foreign language.

October 2024: Prepare a project on the French influence on Indian culture and society.

November 2024: Conduct a survey on the use of French language in your locality and prepare a report on its status.

December 2024: Write a letter in French to a French pen-pal and exchange cultural information.

January 2025: Prepare a project on the history and evolution of French cuisine.

February 2025: Write a research paper on the contributions of French literature to world literature.

March 2025: Conduct a debate on the topic 'Is French culture still the same elite culture

**English:**

April - Read a novel or play from the prescribed NCERT syllabus and write a book review on it.

May - Watch a TED talk or other educational video and write a summary and response.

June - Write an opinion piece or letter to the editor on a current social issue.

July - Research and write a biography of a famous author or literary figure.

August - Participate in a debate or speech competition on a controversial topic.

September - Analyze a poem from the NCERT syllabus and write a critical commentary on its themes and literary techniques.

October - Write a short story or personal narrative based on a real-life experience.

November - Create a visual representation of a scene or character from a book from the NCERT syllabus.

December - Write a persuasive essay on a topic related to environmental conservation.

January - Conduct a group project on a historical or cultural aspect of the English language.

February - Write a comparative analysis of two different texts from the NCERT syllabus.

March - Prepare a presentation on a literary movement or period, highlighting its key characteristics and representative works.

**Math:**

April - Solve a set of word problems using algebraic equations and graphing.

May - Conduct an experiment to demonstrate the concept of probability.

June - Research and write a report on a real-life application of trigonometry.

July - Create a visual representation of a geometric concept, such as the Pythagorean theorem.

August - Solve a set of problems using trigonometric ratios and identities.

September - Research and write a report on a mathematician from history and their contributions to the field.

October - Solve a set of problems related to statistics and data analysis.

November - Create a mathematical model of a real-world situation, such as population growth or market trends.

December - Conduct a group project on a mathematical concept or theory, presenting its history and contemporary applications.

January - Solve a set of problems using linear programming.

February - Research and write a report on the history and development of calculus.

March - Solve a set of problems related to differential equations.

**Science:**

April - Conduct an experiment on the properties of acids and bases.

May - Research and write a report on the applications of biotechnology.

June - Create a model of the human digestive system and explain its functions.

July - Observe and record the life cycle of a plant or animal species.

August - Conduct a group project on a current environmental issue and propose solutions.

September - Research and write a report on the principles and applications of genetics.

October - Conduct an experiment on the laws of motion.

November - Research and write a report on the uses and effects of radiation.

December - Conduct a group project on a current scientific research topic, presenting its background and findings.

January - Observe and record the changes in a chemical reaction and explain the underlying principles.

February - Research and write a report on the history and development of modern physics.

March - Conduct an experiment on the properties of light and its behavior.

**Social Studies:**

April 2024:

Research the historical background and causes of the French Revolution

Create a timeline of the events leading up to the French Revolution

Write an essay discussing the impact of the French Revolution on the world

May 2024:

Analyze the Indian Constitution and the principles of democracy it enshrines

Debate the role of the judiciary in upholding the Indian Constitution

Write a report on the functioning of the Indian Parliament and its importance in a democratic system

June 2024:

Study the causes and effects of World War I

Conduct research on the Treaty of Versailles and its impact on Europe

Write an essay comparing the causes and effects of World War I and World War II

July 2024:

Analyze the impact of the British rule on India's economy and society

Conduct research on the Indian Independence Movement and its key figures

Write a report on the role of Mahatma Gandhi in the Indian Independence Movement

August 2024:

Research the global impact of the Industrial Revolution

Analyze the impact of industrialization on the environment

Write an essay discussing the challenges and opportunities of a rapidly industrializing world

September 2024:

Study the key events and personalities of the American Civil War

Analyze the political, economic, and social causes of the Civil War

Write a report on the impact of the Civil War on American society

October 2024:

Analyze the impact of globalization on the world economy

Conduct research on the World Trade Organization and its role in promoting free trade

Write an essay discussing the benefits and challenges of globalization

November 2024:

Research the causes and effects of the Russian Revolution

Analyze the political and economic systems that emerged after the Revolution

Write a report on the impact of the Russian Revolution on world history

December 2024:

Study the impact of colonialism on Africa and Asia

Conduct research on the anti-colonial movements and their leaders

Write an essay discussing the challenges and opportunities of decolonization

January 2025:

Analyze the impact of the Cold War on world historyConduct research on the key events and personalities of the Cold War

Write a report on the role of the United Nations in promoting peace and cooperation among nations

February 2025:

Study the causes and effects of the Chinese Revolution

Analyze the political and economic systems that emerged after the Revolution

Write an essay discussing the impact of the Chinese Revolution on China and the world

March 2025:

Analyze the impact of the Internet and social media on the world

Conduct research on the challenges and opportunities of digital communication

Write a report on the role of the Internet in shaping global culture and politics