



ACADEMIC WORLD SCHOOL™ BEMETARA

SUMMER VACATION ASSIGNMENT SESSION 2024-25 CLASS: X

General Instructions:

1. Write in a clear and legible handwriting.
2. Complete all the homework in a separate subject Summer Vacation Homework Notebook.
3. **DO NOT COPY AND PASTE FROM THE INTERNET.** (Assignment will be rejected)
4. In case of reference from the internet, you may:
 - A. Read the content from the internet, if you wish and paraphrase (Rewrite in your own words)
 - B. Mention the source of your information by providing the link from the internet for the verification by the teachers.
5. Marks awarded will be counted in the final scores at the end of the session.
6. The Summer Vacation HW will be submitted immediately upon arrival to school after Summer Vacation.
7. For any assignment related query do post your question on E-Mail Id of respective subject teacher. List of Subject Teacher's E-Mail ID attached.

Note for the Parents:

Parents are requested to guide his/her wards to complete their assignments honestly and submit by the due date.



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SUMMER VACATION ASSIGNMENT

SESSION 2024-25

CLASS: X

SUBJECT : ARTIFICIAL INTELLIGENCE

1. Make a chart on the Applications of AI in all the usable field with example.
2. Write a program of the following:
 - a) To Input your name, age, class and print it.
 - b) Input two numbers and use all arithmetic operator's .
 - c) Input a number and print the table of that number.
3. Create Chart on the SDGs with logo and write the significance of SDGs.
4. Create your own project on pixcelcut.ai app ,Do the following tasks and collect printout of screenshots for the following effects-(any 5)
 - * Load your image
 - * Give the title of the image
 - * Change the colour of image
 - * Change the image to grayscale
 - * Change Background of that image
 - * Upscale of that image
 - * Crop the image.
 - * Extract/remove the part of that image
 - * Resize the image/show the Shadow of that image.
 - * Save the Image and take printouts for all effects.
5. Create a video of your Chatbot with the help of Botmake.io ai and send it to your subject teacher's mail id./Make a Blog with the help of Bloggers.com and upload it take printout and make a project file.

Note: Do Question Number 1, 2 and 3 in your AI notebook, Q-4 will be solved in separate project file(including front page , Acknowledgement & Introduction page of CV) and Q-5 Result will Send to your Subject Teacher's mail id.



ACADEMIC WORLD SCHOOL™ BEMETARA

SUMMER VACATION ASSIGNMENT SESSION 2024-25 CLASS: X SUBJECT : ENGLISH

Subject: English Language and Literature (184)

- Q1. There is a busy road in front of your school. A large number of students have to cross the road while going back home. They run a great risk. Write a letter to the Editor, Navjivan Times, Agra drawing attention of the concerned authorities to the problem. Make a request to mark a zebra crossing and to put traffic lights in front of your school. You are Amit/Aruna, class X, New Age Public School, Ram Nagar, Agra.
- Q2. Imagine and give a different ending to the chapter “A Letter To God”. How would you end it without putting the post master in a miserable situation. (200 words)

SUBJECT ENRICHMENT ACTIVITY CLASS – X

NOTE: Prepare a file for the following activities, use A4 size papers and a stick file.

Activity – 01

- ANALYSING
1. How did the system of racial discrimination hurt the people of South Africa?
- EVALUATION
Collect the information about Nelson Mandela and write a profile on the character and personality of Nelson Mandela. (Your activity should include all the points about Mandela given in the image & add your own points)

NELSON MANDELA

Date of birth : Date of death:

Place of birth:

Full name:

Nickname:

Wives:

School and studies:

Occupation:

Fight against:



- CREATING

- Find information about these people and prepare a photo album of your profile pages based on their service to the humanity.
(Materials required: A4 size paper, colour pens, colour pencils, or anything of your choice to make the sheet presentable)

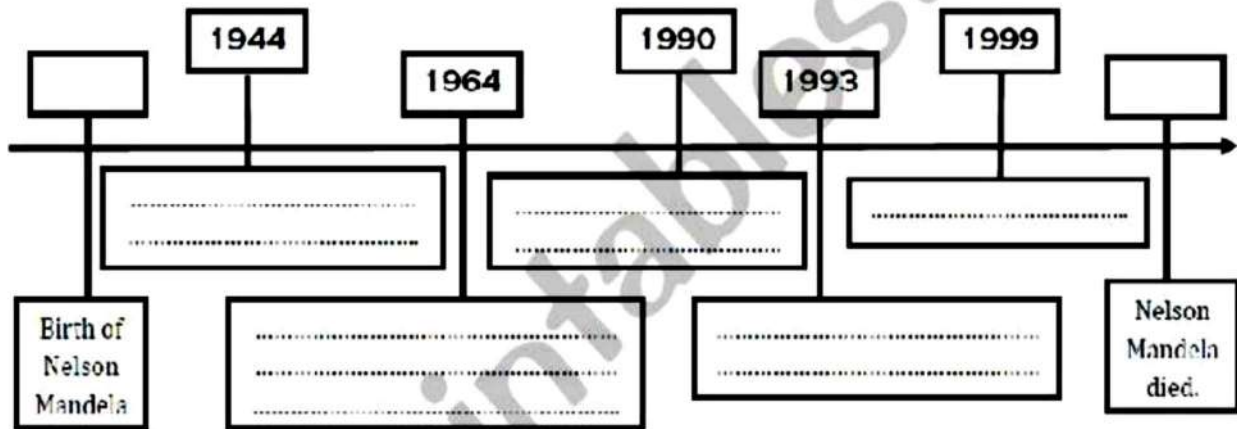
1. NELSON MANDELA

2. MOTHER TERESA

- Prepare the Timeline of Mandela’s achievements, his activities... (You may add your own period of time in the given timeline)

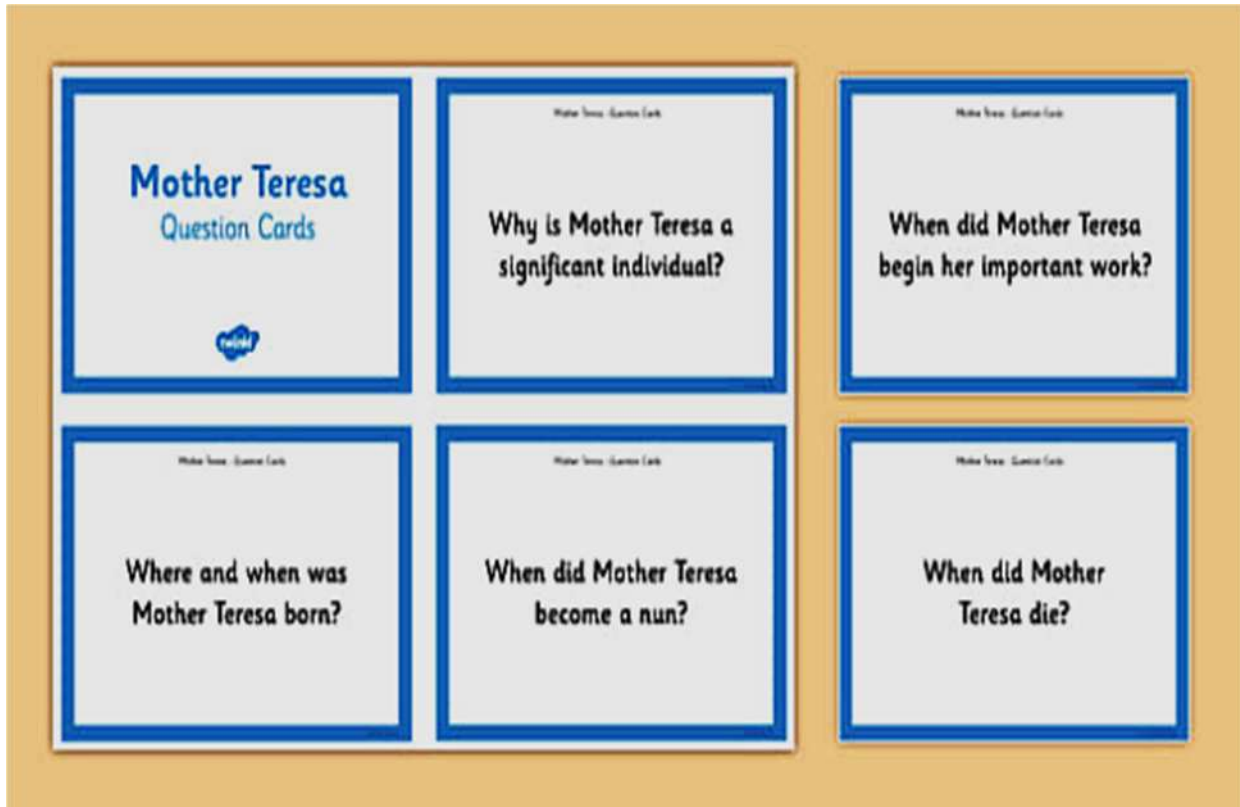
TIMELINE

<http://etxepare.wikispaces.com/Nelson+Mandela>



- Write down the facts you have dug out about Nelson Mandela in the given pictorial form...

- Find information about Mother Teresa in the form of time-line. (You may add your own period of time in the given timeline)



Activity -02

Read any three books of your choice and put in writing the following for each book:

- Write a statement giving essential information about the book : title, author, first copyright date, type of book, general subject matter, special features, price..etc.
- What genre is the book? Is it fiction or nonfiction?
- Start with a couple of sentences describing what the book is about.
- State the author's purpose in writing the book.
- Think about how you were affected by the book and if any of your opinions or feelings change because of it.
- Discuss what you particularly liked about the book.
- Mention any thing you disliked about the book.

Note : The Summer holiday assignment is to be prepared in a Project File and submission is mandatory on the reopening of the school after vacation.



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SUMMER VACATION ASSIGNMENT

SESSION 2024-25

CLASS: X

SUBJECT : SCIENCE

SECTION- A

Art Integrated Project* *[Attempt any One]

1. Locate in the outline map of India any 5 major mineral ore producing districts that help in industrial growth of the states Kerala and Chhattisgarh and then make a list of various industries and their final products.

Task to be accomplished:-

1. Designing of out- look of scrap book
2. Collect the pictures and name of major manufacturing products and industries and their raw materials.
3. Basic principles involves in the process of manufacturing.
4. Area/ place belong to the manufacturing.
5. Write a short analytical note describing how these industries influence the economical growth of the country

OR

2. Compare the ecological impact of wild life of Kerala and Chhattisgarh. Compare the wild life of species/ forest resources of both the states and show in graph/picture/table/ Map.:-

Task to be accomplished:-

- Collect data and information about
 1. The ecosystems.
 2. Wild life of the Kerala and the Chhattisgarh.
 3. Flora and Fauna.
 4. Endangered, Vulnerable and extinct species
 5. Explain briefly about the conservation of wild animals in our country.

SECTION- B

Complete the tasks given below -

*** Solve all the questions given below in YOUR SUBJECT C.W. COPIES***

BIOLOGY

1. Write the balanced chemical equation for the process of photosynthesis.
How photosynthesis occurs in desert plants?
2. Draw a neat labeled diagram of human alimentary canal. Make a table and mention all the enzymes secreted in the digestive system. State their role in the digestion.
3. Explain an activity to show that light is necessary for photosynthesis.

CHEMISTRY

4. Write any 10 balanced chemical equations for the chemical reactions given in NCERT Exercise of the chapter- 1
5. Make a list of different types chemical reactions from your everyday life. Write their applications.
6. What are different types of natural and chemical food preservatives? How they are used?
7. With the help of the activities explain single displacement and double displacement reaction.

PHYSICS

8. Draw the ray diagrams for various positions of objects kept in front of Concave mirror & Convex lens. Write the nature and size of the images formed.
9. Write the uses of spherical mirrors and lens in our every- day life.
10. Explain an activity to explain Reflection and Refraction of light.

SECTION- C

- Complete the Write up of your Lab Manuals of Physics, Chemistry, Biology

Experiment No:- 1, 2, 6, 7, 10, 11, 13



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SUMMER VACATION ASSIGNMENT

SESSION 2024-25

CLASS: X

SUBJECT : SOCIAL SCIENCE

General Instructions

1. Write in neat handwriting.
2. Complete all homework in respective Subject Notebook or as per instructions given by the respective Subject Teachers.
3. You may use color and graphics to decorate your work.
4. Assignment, Project, Videos must be uploaded in the given Google Form link/any other mode instructed by your Subject Teacher.
5. Do not copy and paste from the internet. (Assignment will be rejected)
6. In case of reference from the internet, you may:
 - A. Read the content from the internet, if you wish and paraphrase (rewrite in your own words)
 - B. Mention the source of your information by providing the link from the internet for the verification by the Teachers.
7. Marks to be awarded that will count in final scores at the end of the session.

Note for the Parents :-

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SOCIAL SCIENCE

- Q.1. Power sharing is the sprit of democracy - Justify the statement.
- Q.2. Power sharing reduces the conflict between the community- give your reason.
- Q.3. State the ways of resource planning in India.
- Q.4. What was the view of Gandhiji about the conservation of resource?
- Q.5. State the features of following soil and locate their existence in diagram of India.(You may take help from your text book).
1. alluvial soil 2. Black soil 3. Red soil 4. Arid Soil 5. Forest soil
- Q.6. How And What are the power sharing forms in India? Compare the statement with accommodation of Belgium.



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SUMMER VACATION ASSIGNMENT

SESSION 2024-25

CLASS: X

SUBJECT : MATHEMATICS

To be done in Maths lab manual.

Activity 1:

To draw the graph of a quadratic polynomial and observe:

- (i) The shape of the curve when the coefficient of x^2 is positive.
- (ii) The shape of the curve when the coefficient of x^2 is negative.
- (iii) Its number of zeroes.

Activity 2:

To verify the conditions of consistency/ inconsistency for a pair of linear equations in two variables by graphical method.

Activity 3:

To identify Arithmetic Progressions in some given lists of Numbers (patterns).

Activity 4:

To find the sum of first n natural numbers.

Activity 5:

To find the sum of the first n -even natural numbers.

Activity 6:

To establish a formula for the sum of first n terms of an Arithmetic Progression.

Activity 7:

To verify the distance formula by graphical method.

To be done in milky file with botany pages.

Write a brief description of any one topic (Page limit at least 10)

1. Polynomial.
2. Co-ordinate geometry.
3. Arithmetic progression.
4. Trigonometry.
5. Statistics.
6. Circles.
7. Probability.



ACADEMIC WORLD SCHOOL™
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SUMMER VACATION ASSIGNMENT

SESSION 2024-25

CLASS: IX, X, XI, & XII

SUBJECT : HINDI

कक्षा 9 - पोर्टफोलियो परियोजना

कक्षा 10 - पोर्टफोलियो परियोजना

कक्षा - 11 वीं और 12 वीं

- कक्षा - 11
- (क) ग्रामीण जीवन का चित्रण करने वाली कविता एवं कहानी लिखिए।
 - (ख) ग्रीष्म ऋतु के माह में हम अपने स्वस्थ का ख्याल कैसे रखें ? विस्तार से लिखें।
 - (ग) अपने पाठ्यपुस्तक से 5 कवि / कवयित्री और 5 लेखक/लेखिका का संछिप्त जीवन परिचय लिखिए।
 - (घ) एक अच्छे समाचार लेखक और संवाददाता (समाचार बोलने वाला) बनने के लिए कौन-कौन सी विशेषताएँ होनी चाहिए।
- कक्षा - 12
- (क) शहरी एवं ग्रामीण जीवन का चित्रण करने वाली कविता एवं कहानी लिखिए।
 - (ख) ग्रीष्म ऋतु, वर्षा ऋतु और शीत ऋतु का लाभ बताते हुए तीनों ऋतु की विशेषताओं का वर्णन अपने शब्दों में कीजिए।
 - (ग) अपने पाठ्यपुस्तक से 5 कवि/कवयित्री और 5 लेखक/लेखिका का संछिप्त जीवन परिचय लिखिए।
 - (घ) छायावाद के स्तम्भ चारों कवियों की विशेषताएँ लिखिए।

गणेश चंद्रवंशी हिंदी विभागाध्यक्ष

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