



PVSS DAV PUBLIC SCHOOL JHUMRI TELAYA, JHARKHAND-825409

(SESSION – 2022 -22)
(CLASS – X)



Enjoy your Summer Holidays in a productive way :

Travel and Explore – Take out time to travel to new places with your friends and family. A city tour or a visit to historical monuments, and museums will give lifetime memories as well as knowledge about your country's rich heritage.

Read at least one book– You may read at least one story book during the summer break. A digital library visit will also give you the chance to find the book of your interest and spend leisure time going through its pages.

Play Outdoor Games – Indulge yourself in Outdoor Games and activities during the summer holidays. Sports are a must for the physical growth of the child. So, devote your time to your favorite sports such as cricket, table tennis, soccer, badminton, etc.

Enrich STEM Subjects – To enrich your understanding and knowledge of STEM subjects,

Experiments with things – All of you are creative geniuses and love to experiment with different things. Summer Holidays are the best time to explore and experiment with various things.

Enhance your Knowledge – Utilize your holidays to enhance your general knowledge of history, culture, tradition, nature, and environment, politics, scientific discoveries, etc. To keep abreast of the various things happening in the country and the world, it is important to have basic knowledge about them.

Engage in Fun Activities – Engage yourself in playful and fun activities such as the collection of coins, leaf, flowers, stamps, etc. Paint your favorite picture, or watch your favorite cartoon series, or make a scrapbook using newspaper & magazine cuttings.

Learn new things – Enroll yourself in interesting online workshops to learn new things such as yoga, karate, swimming, sketching, dance, and a new language such as French, Italian, German, or Spanish. If you are a music lover, you may also learn to play musical instruments during your summer holidays.

Improve your Skills – And, why not use the Summer Holidays to improve your skills in reading, writing, drawing, and listening. Also, you must learn the art of communication and work on improving his time-management skills during the summer break.

SUMMER ASSIGNMENT

SUB : ENGLISH

*AIM:

- 1.To enjoy learning new things.
- 2.To develop 4 basic skills.
- 3.To impart self realisation among students.

Assignment:-

1. Give critical appreciation of Frost's Poems.
2. Write all the poetic devices with examples in a scrap book decoratively.(one page for each)
3. Read a book of Ruskin bond and summarise it.
4. Prepare a chart of narration with examples in a decorative way.
5. Write and learn the question answers of all the taught lessons.

*LEARNING OUTCOMES:

- 1.Creativity of the students will be developed.
- 2.Critical thinking will be enhanced.
- 3.Self Awareness will be developed
- 4.Art integrated learning will be developed.

विषय-हिन्दी

उद्देश्य-संतुलित व्यक्तित्व का विकास, जीवन मूल्यों की प्राप्ति।

किया जाने वाला कार्य-

- 1)पानवाला, कैप्टन चश्मेवाला और बालगोबिन भगत का चित्र बनाकर उनकी शारीरिक और चारित्रिक विशेषता को इंगित करें।
- 2 सूरदास के पद का अर्थ याद करें।
- 3) राम-लक्ष्मण-परशुराम संवाद के अर्थ को संवाद रूप में याद करें।
- 4) पद परिचय का प्रवाह चित्र(फ्लो चार्ट) तैयार करें।
- 5) सूरदास और तुलसीदास का संक्षिप्त परिचय लिखें।

अधिगम परिणाम- बच्चों में देशभक्ति के प्रति संवेदनशीलता का विकास ,मर्यादा और नीति का विकास , व्याकरण ज्ञान में वृद्धि।

SUBJECT – संस्कृतम्

TOPIC – परियोजनाकार्यम्

AIM- I- कथारचना तथा सृजनात्मक शक्तेः अभिवृद्धि ,

II- नवीन संस्कृत शब्दानां सह परिचयः ।

WHAT TO BE DONE –

i- प्रथम पाठस्य अभ्यासः प्रश्नाः समाधयताम् ।

ii- प्रथम पाठस्य शब्दार्थः लिखतु ।

iii- प्रथम पाठस्य श्लोकानां भावार्थः लिखतु ।

iv- दश सामासिक विग्रहः लिखत ।

iv- किं नाम संधि , तेषां भेदाः (दश) उदाहरणेन सह लिखन्तु ।

LEARNING OUTCOME- सामान्य व्याकरण सृजनात्मक शक्तेः , लेखन कौशलस्य विकाशः च ।

SUBJECT-MATHEMATICS

TOPIC- PROJECT BASED ON ART INTEGRATION

AIM- INTEGRATING MATHS WITH ART FOR CONCRETE KNOWLEDGE.

1. Draw a concept map of the chapter “ *REAL NUMBER*” which can be treated as memory chart.
2. Draw the graph of the polynomial $f(x)=x^2-6x+9$ and find its number of zeroes.
3. Draw the graphs of the equations $x-y+1=0$ and $3x+2y-12=0$. Determine the coordinates of the vertices of the triangle formed by these lines and the x-axis, and shade the triangular region.

TOPIC-CASE BASED QUESTION

AIM- TO SHOW THE USE OF HCF AND LCM IN REAL LIFE.

To enhance the reading skills of grade X students, the school nominates you and two of your friends to set up a class library . There are two sections-section A and section B of grade X. There are 32 students in section A and 36 students in section B?



- (a) What is the minimum number of books you will acquire for the class library, so that they can be distributed equally among students of section A or section B?
- (b) If the product of the two positive integers is equal to the product of their HCF and LCM is true then what is the HCF (32,36) ?
- (c) Express 36 as the product of the primes?
- (d) What type of number is $7 \times 11 \times 13 \times 15 + 15$?
- (e) If p and q are positive integers such that $p = ab^2$ and $q = a^2b$ where a, b are prime numbers then what will be the LCM?

LEARNING OUTCOME-

- (1) Creativity and concrete knowledge.
- (2) Problem solving and relating maths with real world.

Subject : Physics

Aim: To get a clear idea of reflection of light

Topic : Reflection of light

What to do : 1. Draw a concept map of reflection of light with coloured paper.

2. Paste the pictures of uses of concave and convex mirror and mention the property of the mirrors in this context.

3. Draw the memory tips of sign convention of mirror formula using coloured paper.

Learning outcome: 1. Through concept map, the students can get a clear idea about the topic.

2. Pasting pictures of uses of mirror, the students will acquire the practical knowledge of the uses of mirrors.

3. Through memory tips of sign convention, the students can enhance their concept while solving numerical related to mirror formula.

Subject--Biology

Aim— To make the student aware about autotrophic and heterotrophic nutrition

Topic --- Life processes.

WHAT TO DO--

- 1) Explain the process of Photosynthesis in green plants,
- 2) write an activity to show that starch is formed during photosynthesis.
- 3) Draw a chart diagram to show the alimentary canal of human being,
- 4) Why the pancreas is called as heterocrine gland? Explain the role of pancreas in digestion.
- 5) By using easily available materials make a model to show that photosynthesis is taking place

LEARNING OUTCOMES---

1. Student will able to learn that starch is formed during photosynthesis.
2. Student will able to learn the parts and function of alimentary canal.

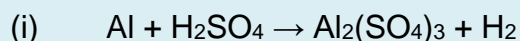
SUB-CHEMISTRY

AIM- To get the basic concepts and knowledge of Chemical reactions and chemical changes.

WHAT TO DO-

Q1. Draw a Mind Map of chapter-1 (Chemical reactions and Equations.) (in portfolio)

Q2 Balance the following Chemical Reactions: (In Hw)



- (ii) $\text{Al} + \text{HCl} \rightarrow \text{AlCl}_3 + \text{H}_2$
- (iii) $\text{Pb}(\text{NO}_3)_2 + \text{NaCl} \rightarrow \text{PbCl}_2 + \text{NaNO}_3$
- (iv) $\text{Na} + \text{O}_2 \rightarrow \text{Na}_2\text{O}$
- (v) $\text{BaCl}_2 + \text{Al}_2(\text{SO}_4)_3 \rightarrow \text{BaSO}_4 + \text{AlCl}_3$

Q3 Identify the oxidized and reduced substances ,Oxidising and reducing agents (In HW)

- (i) $3\text{CuO} + 2\text{NH}_3 \rightarrow 3\text{Cu} + \text{N}_2 + 3\text{H}_2\text{O}$
- (ii) $\text{SO}_2 + 2\text{H}_2\text{S} \rightarrow 3\text{S} + 2\text{H}_2\text{O}$
- (iii) $3\text{MnO}_2 + 4\text{Al} \rightarrow 3\text{Mn} + 2\text{Al}_2\text{O}_3$
- (iv) $\text{Fe}_2\text{O}_3 + 3\text{CO} \rightarrow 3\text{Fe} + 3\text{CO}_2$
- (v) $\text{CO}_2 + \text{H}_2 \rightarrow \text{CO} + \text{H}_2\text{O}$

Q4 You are provided two metals 'X' and 'Y' . Metal 'X' is used for galvanization whereas 'Y' is used in making electrodes . When a strip of metal 'X' is immersed in a blue coloured solution of YSO_4 . A layer of metal 'Y' from the salt solution is deposited on the strip of Metal 'X'.

- (a) Predict the metals 'X' and 'Y'.
- (b) Write the chemical Equation of the reactions involves.
- (c) What is the type of chemical reaction taking place?

PROJECT : Define the different types of chemical reactions by making blocks in project file. (In project file)

Learning outcomes:1 To understand the complete chapter in brief by mind map.

2. To identify the different types of chemical reactions in everyday life.

SUBJECT - S,ST

AIM AND OBJECTIVE OF THE FOLLOWING ASSIGNMENT IS THE STUDENTS WILL EXPLORE AND LEARN HOW TO IDENTIFY THE LOCATION OF COUNTRIES, REMEMBER THE DATES OF EVENTS ,KNOW THE NATIONAL SYMBOLS AS WELL AS POLITICAL , SOCIAL , ETHNIC GROUPS OF DIFFERENT COUNTRIES.

1. ON TWO MAPS OF EUROPE SHOW THE FOLLOWING COUNTRIES:
 - a. Ottoman Empire
 - b. Russian Empire
 - c. Austrian Empire
 - d. Great Britain

- e. France
 - f. Belgium
 - g. Italy
 - h. Germany
2. FIND OUT MORE ABOUT NATIONALIST SYMBOLS IN COUNTRIES OUTSIDE EUROPE. COLLECT PICTURES, POSTERS, THAT ARE SYMBOLS OF NATIONALISM.(AT LEAST FIVE COUNTRIES)
 3. DRAW A TIME LINE OF THE EVENTS DISCUSSED IN THE RISE OF NATIONALISM IN EUROPE.
 4. PREPARE A COMPREHENSIVE PROJECT ON POWER SHARING.

SUBJECT. Economics

AIM- To create interest in economics and to utilize the time properly

WHAT TO Do.

Students has to do the assignment.

Learning outcomes.

- 1.understand the distribution of income.
- 2.understand the importance of study in creation of human capital.
- 3.Explain the need for earnings ,it's ideals , values and features etc.

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ASSIGNMENT

Write down the development of Indian economy since independence.

Following topics must be included.

- 1.) Development in education.
- 2.) Iron and steel industry
- 3.) Sericulture and Fishiries.
- 4.) Budget for the year 2020.
- 5.) Question and Answer of ch-1 and ch-2.

N.B. All the activities must be made on separate Holiday assignment copy.

SUBJECT. Geography

AIM- To create interest in geography and to utilize the time properly

WHAT TO Do.

Students has to do the assignment.

Learning outcomes.

1.understand the sustainable resource development

2.understand the importance of resource development

3 Explain the need of resource conservation

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ASSIGNMENT

Write down the development of Indian economy since independence.

Following topics must be included.

Make p project on SUSTAINABLE DEVELOPMENT

N.B. All the activities must be made on separate Holiday assignment copy.

SUB: INFORMATION TECHNOLOGY

1.Write any five social networking website .Draw / Paste logo of these sites

2.Write name of any five web browser. Draw there icon .

3 .Draw components of open office writer.

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