



MODY SCHOOL, LAKSHMANGARH
SUMMER HOLIDAY HOMEWORK
CLASS IX

ENGLISH

1. Read any one of the following poems from the book 'Beehive'. Choose the stanza/line you like the most in the poem and depict it in a creative manner on A3 or A4 sheets. The presentation should be self-explanatory in class.
 - a. The Road Not Taken
 - b. Wind
2. Margie wrote, in her diary, about a real book that Tommy found in his attic. She found it very amusing and unusual. While enjoying your summer vacation, you, too, may come across something unusual. Write about any 5 eventful days that impressed you deeply or brought a smile on your face.
 - Where to do: A small handmade diary with colorful pages which should be properly decorated.
3. Write a descriptive paragraph (80-100 words) describing any one of the following famous places and any one of the famous personalities. (Use A4 size coloured sheets)
 - **Person**
 - ❖ Bismillah Khan
 - ❖ A.P.J Abdul Kalam
 - **Place**
 - ❖ Jaipur
 - ❖ Jim Corbett National Park

विषय - हिंदी

ग्रीष्मकालीन अवकाशीय परियोजना कार्य
विषय संवर्धन तथा कला समेकित परियोजना

परियोजना का परिचय (Introduction)- कृषि की उत्पादकता पूरी तरह से मौसम, जलवायु और पानी की उपलब्धता पर निर्भर होती है, इनमें से किसी भी एक में परिवर्तन कृषि की उत्पादकता को सीधा प्रभावित करता है। जलवायु परिस्थितियाँ न केवल यह तय करती हैं कि कोई पौधा बढ़ेगा या नहीं, बल्कि यह भी तय करती है कि वह कैसे बढ़ेगा। पैदावार, उपज स्थिरता और गुणवत्ता का भी जलवायु से गहरा संबंध है।

विषय- राजस्थान और नागालैंड की जलवायु, मुख्य फसलें तथा जीव

राजस्थान और नागालैंड की जलवायु, मुख्य फसलें तथा जीवों (Flora & fauna) की संक्षिप्त जानकारी देते हुए एक सुंदर परियोजना तैयार कीजिए

सामान्य निर्देश - (Steps and instructions)

- आपको अपनी परियोजना पाठशाला के प्रथम दिवस पर जमा करानी है।
- यह कार्य सुंदर लिखावट में लिखा होना चाहिए। विषय संबंधी चित्र होने चाहिए।





- परियोजना कार्य रंग-बिरंगा आकर्षक तथा A4 size कागज़ पर 5 या 6 पृष्ठों में किया जाना चाहिए।
 - परियोजना का एक सुंदर आवरण पृष्ठ होना चाहिए, जिस पर हिंदी परियोजना, परियोजना का नाम, आपका नाम, आपकी कक्षा एवं वर्ग अवश्य लिखा होना चाहिए।
- परियोजनाका उद्देश्य (Learning Objectives)-**
- छात्रों को भिन्न-भिन्न जलवायु तथा उपज की जानकारी देना। उनको यह जानकारी देना कि जलवायु किस प्रकार कृषि को प्रभावित करती है।

परियोजना का प्रतिफल – (Learning Outcome) इस परियोजना से छात्रों का बहुमुखी विकास होगा, जैसे - राजस्थान और नागालैंड की जलवायु तथा वहाँ उगने वाली फसल के बारे में छात्रों को ज्ञान होगा। उनकी भाषा, सृजनात्मकता तथा कला-कौशल का विकास होगा।

परियोजना के मूल्यांकन के आधार – Rubrics

कुलांक	सृजनात्मकता	भाषा	प्रस्तुतिकरण	जानकारी	चित्र
10	2	2	2	2	2

FRENCH

(i) Une presentation doit être fait:(10 à 12 diapositives)- Ma famille. (en décrivant, les noms, âge, personnalité physique et psychologique et préférence)

(ii) Réalisez la brochure touristique sur une ville de la France.

Note: First slide must contain the following details: Subject, Submitted to, Submitted by, Name, Scholar No., Class, Session:

MATHEMATICS

TOPIC: NUMBER SYSTEM

The Number System consists of different types of numbers like Natural numbers, Whole numbers, Integers, Rational numbers, Irrational numbers, Real numbers etc.

Real numbers consist of Rational numbers and Irrational numbers. Every real number is unique.

I Activity:- Model making of types of numbers including definitions, examples, symbols.

Instructions to be followed:

- ❖ Students need to use the colour sheets accordingly.
- ❖ Cutting and pasting work should be neat.
- ❖ Content must be written with colour pens.

II Activity

Write about any two Indian Mathematicians and their contributions in the field of Mathematics. Also paste the pictures of these mathematicians,

NOTE: Solve the given worksheets in a worksheet notebook.

PHYSICS

ACTIVITY: Holiday Homework: Newton's Laws of Motion - Foldable Wheel

Materials Needed:

Cardstock or construction paper, Scissors, Glue or tape, Markers or colored pencils

Instructions:

Research Newton's Laws of Motion:

Use textbooks, online resources, or other reference materials to review and understand Newton's three laws of motion: the Law of Inertia, the Law of Acceleration, and the Action-Reaction Law.

Design and Plan:

- Sketch out a design for your foldable wheel, considering its size, shape, and structure.
- Think about how you can incorporate elements of Newton's laws into your design and decoration.

Create the Foldable Wheel:

- Using the materials provided (cardstock or construction paper, scissors, glue/tape, markers), construct your foldable wheel according to your design.
- Cut out the template provided and fold along the dashed lines to create the wheel structure.
- Decorate the wheel with colors, drawings, and labels that represent Newton's laws of motion.



Reference image:

Reflect and Connect:

Make connections to real-world examples where Newton's laws are evident.

Assessment Criteria

- Creativity and effort demonstrated in the design and construction
- Accuracy in incorporating elements of Newton's laws into the decoration and labeling of the wheel.
- Thoughtfulness and clarity in the written explanation of how Newton's laws apply to the motion of the foldable wheel.
- Completion of the assignment according to the given instructions and deadline.

CHEMISTRY

ACTIVITY: Holiday homework: States of matter - collage

Research:

- Students will research the characteristics and properties of solids, liquids, and gases, including particle arrangement and movement.
- They will gather images from magazines, newspapers, or online sources that represent examples of each state of matter.

Design and Plan:

- Students will plan the layout of their collage, dividing it into three sections for solids, liquids, and gases.
- They will select and organize images that accurately depict examples of each state of matter.
- Students may sketch a rough design or layout before beginning the collage.

Create:

- Using the materials provided, students will cut out images from magazines or newspapers that represent solids, liquids, and gases.
- They will arrange the images in the corresponding sections of their collage, considering factors such as shape, volume, and particle arrangement.
- Students may use glue or tape to secure the images in place and add labels or annotations to identify each state of matter.

Reflect and Connect:

- After completing the collage, students will reflect on the process and connections between art and science.
- They will discuss how creating the collage deepened their understanding of the states of matter and enhanced their artistic skills.
- Students may also make connections between the examples depicted in their collage and real-world applications of solids, liquids, and gases.

BIOLOGY**Fundamental unit of life:****Cell Model Construction:**

- Construct a 3D model of a plant or animal cell using materials of your choice (e.g., clay, styrofoam, cardboard)
- Label and color-code the key structures within the cell (e.g., nucleus, mitochondria, cell membrane and endoplasmic reticulum).
- Provide a brief explanation for each labeled structure, highlighting its function.

ARTIFICIAL INTELLIGENCE**Activity 1: Write a letter/ an email to future self.**

1. Imagine your future in the 2050 year (related to AI).
2. Type a letter or an email to your future self about what you want to see in the future or what you want to remind to your future.
3. The following points can be included in letter/email:
 - a) Start with your interests, hobbies, and skills.

- b) Relate how AI can help you
 - c) Write about your career you want to pursue and how AI will make an impact on that.
4. Save the letter/ email in PDF format and print / write , submit hard copy

Activity 2: Write Pros and Cons of Artificial Intelligence

FOOD PRODUCTION

1. Learn to make 5 snacks/ drinks and make a video while preparing.
2. Make a PPT on personal hygiene.

SOCIAL SCIENCE

A project on (Disaster Management) – Mitigation

Choose Any one natural disaster or man-made disaster and write down the rescue measures of the topic chosen.

Eg : Earthquake , Cyclones , Landslides, Hazardous material spills, Rail accidents. Cyclone Hudhud Case study Hudhud caused extensive damage to the city of Visakhapatnam and the neighbouring districts of Vizianagaram and Srikakulam of Andhra Pradesh. Damages were estimated to be ₹219 billion (US\$3.58 billion) by the Andhra state government. At least 124 deaths have been confirmed, a majority of them from Andhra Pradesh and Nepal, with the latter experiencing an avalanche due to the cyclone.

Preparations and impact

Andhra Pradesh

An alert was sounded in nine out of thirteen districts of Andhra Pradesh where standing crops including paddy, groundnut, sugarcane, and pulses were yet to be harvested. Over 700,000 people, including 500,000 people in Andhra Pradesh, were evacuated and put up in relief camps & emergency bunkers. The local government made arrangements to shift half a million people in all. Central government has mobilised the Army, Navy, and the National Disaster Response Force to provide relief to over 2,80,000 people in 44 mandals across four districts. Chandrababu Naidu the then Chief Minister of Andhra Pradesh shifted base from Hyderabad to Visakhapatnam after the cyclone made landfall. To monitor the disaster relief work that was being undertaken, he stayed in a bus parked outside the city collectorate. He also undertook visits to districts bordering Odisha such as Srikakulam which were badly hit by the cyclone. Post the disaster, he vowed to rebuild Vizag which was badly affected by it.

The above write up will give an idea about Hudhud Cyclone to the students to further work with their chosen topic.

Instructions:

The focus points of the Project are :

1. To work with any one disaster that occurred in any part of India.
2. Causes
3. Risk Identification/Assessment
4. Main Mitigation Strategies

The project of Disaster Management - Mitigation should be Handwritten in A4 size sheets (3 -5 pages, with relevant pictures pasted to the left side of A4 size sheet) The last page should have Conclusion and Bibliography.

Rubrics :

Content accuracy and originality

Presentation and creativity

Process of project completion

SANSKRIT

बिहार की चित्रकला मधुबनी विश्व प्रसिद्ध है इस पर जानकारी एकत्रित कीजिए एवं उस जानकारी पर आधारित 100 से 200 शब्दों में संस्कृत भाषा में लेख लिखिए एवं चित्र की सहायता से समझाएं।