SAINIK SCHOOL CHITTORGARH

SUMMER VACATION HOLIDAY HOMEWORK

CLASS VIII

SUBJECT	SUBMITTED BY
MATHS	MR AMIT KUMAR JHA
SCIENCE	MRS RUBY CHAHAR
	MR BHUPENDRA BIHARI VYAS
	MS ASHI
HINDI	MR RAMESH SHA
SANSKRIT	MR P CHANDRASEKHARAN
SOCIAL SCIENCE	MR CHANDRAPRAKASH
ENGLISH	MR RAWAL RATHORE
COUNSELING	MS PRIYANJALI
COMPUTER	MR. KULDEEP MALVIYA

GENERAL INSTRUCTIONS

INSTRUCTIONS:
1. The holiday homework will be considered as your project work.
2. The marks awarded for this will be counted towards Internal –assessment.
3. On page 1: write -Project Work, name, class, roll number, topic etc

PROJECT WORK

NAME:

CLASS: SECTION

SCHOOL NUMBER:

HOUSE:

4. Last page of the project will carry the following certificate

CERTIFICATE

This is to certify that I_____ OF Class _____. Have done the project work on my own. It is my own original work as per the guidelines provided by _____(Name of the teacher).

Signature

Name:

CHAPTER 1: RATIONAL NUMBERS

Q. 1: Find the additive inverse of the following:
(i) 22/4 (ii) 3/8 (iii) – 24/–5 (iv) 17/(– 6)

Q. 2: Find the multiplicative inverse of the following:
(i) 18/7 (ii) 34/6 (iii) 29/3 (iv) –6/7

Q. 3: State true or false for the following:
(i) Rational numbers are closed with respect to division.
(ii) Every whole number is a rational number.
(iii) Every integer is a rational number.
(iv) There are infinitely many rational numbers between any two rational numbers.
(v) 1 and –1 are the only rational numbers which are equal to their reciprocal.

Q. 4: State which property is in the following:
(i) ⅖ + (–⅚ + ½) = {⅖ + (–⅚)} + ½
(ii) 3 – 45/7 + 3/2 = (3 + 3/2) – 45/7
(iii) 300 × 45 = (300 × 40) + (300 × 5)
(iv) 2/19 × 19/2 = 1
(v) 3/7 + (–3/7) = 0

Q. 5: From a 50 m cloth, 7/3 m cloth cut out to make a shirt and 14/5 is cut out to make a curtain. Find the remaining length of the cloth?

Q. 6: Mr X went shopping with a certain amount of money. He spent Rs. 10(¼) on buying a pen and Rs. 25(¾) in food. He then gave the remaining Rs. 16(½) to his friend. Calculate how much money he initially had.

Q. 7: Represent −2/11, −5/11, and −9/ 11 on the number line.

Q. 8: What is the property used for the expression given -2/3 × 3/5 + 5/2 -3/5 × 1/6?

Q. 9: Give three rational numbers between 3/6 and 3/4.

Q. 10: What is the additive inverse of 3/4?

CHAPTER 2: LINEAR EQUATION IN ONE VARIABLE

Q. 1: Solve the following linear equations:
(i) x – 11 =7
(ii) z + 8 = 9
(iii) 11x = 121

Q. 2: 11 – 5x + 3x + 4x =18

Q. 3: (x – 2) + (x – 3) + (x – 9) = 0

Q. 4: (2x-2)+(3x-3)+(9x-9) = 1

Q. 5: A positive number is 5 time another number. If 21 is added to both the numbers, then one of the new numbers become twice of other new numbers. Find the original numbers.

Q. 6: Five years ago, Anu was thrice as old as Sonu. After ten years, Anu will be twice as old as Sonu. How old are Anu and Sonu?

Q. 7: The sum of three consecutive multiples of 8 is 888. Find the multiple.

Q. 8: Three consecutive integers are as such they are taken in increasing order and multiplied by 2, 3, and 4, respectively, they add up to 56. Find these numbers.

Q. 9: The perimeter of a rectangular swimming pool is 154 meters. Its length is 2m more than twice its breadth. What are the length and the breadth of the pool?

Q. 10: Sum of two numbers is 95. If one exceeds the other by 15, find the numbers.

CHAPTER 3: UNDERSTANDING QUADRILATERALS

Q. 1: A quadrilateral has three acute angles, each measure 80°. What is the measure of the fourth angle?

Q. 2: In a quadrilateral ABCD, the measure of the three angles A, B and C of the quadrilateral is 110°, 70° and 80°, respectively. Find the measure of the fourth angle.

Q. 3: In a quadrilateral ABCD, ∠D is equal to 150° and ∠A = ∠B = ∠C. Find ∠A, ∠B and ∠C.

Q. 4: The angles of a quadrilateral are in the ratio of 1: 2: 3: 4. What is the measure of the four angles?

Q. 5: In quadrilaterals,
  (i) Which of them have their diagonals bisecting each other?
  (ii) Which of them have their diagonal perpendicular to each other?
  (iii) Which of them have equal diagonals?

Q. 6: Adjacent sides of a rectangle are in the ratio 5: 12, if the perimeter of the rectangle is 34 cm, find the length of the diagonal.

Q. 7: The opposite angles of a parallelogram are (3x + 5) ° and (61 – x) °. Find the measure of four angles.

Q. 8: ABCD is a parallelogram with ∠A = 80°. The internal bisectors of ∠B and ∠C meet each other at O. Find the measure of the three angles of ΔBCO.

Q. 9: Find the measure of all four angles of a parallelogram whose consecutive angles are in the ratio 1: 3.

Q. 10: How many sides do a regular polygon have, if the measure of an exterior angle is given as 24°?

PROJECT

1. **Quadrilaterals: Construct various types of quadrilaterals, such as squares, rectangles, rhombuses, trapeziums, and kites using card board of different coulors.**

HINDI

वसंत भाग 3 एवं व्याकरण

प्रश्न 1. . कोई एक कविता (100 शब्द) अथवा कहानी (300 शब्द) अथवा निबंध (300 शब्द) लिखिए जिसमें आपके सपनों का वर्णन हो, जो आप अपने जीवन में करना चाहते हैं।

प्रश्न 2. बस की यात्रा एवं दीवानों की हस्ती पाठ का सारांश लिखिए।

प्रश्न 3. भाषा की परिभाषा एवं इसके भेदों पर सविस्तार प्रकाश डालिए।

प्रश्न 4. तीस विलोम शब्द और तीस पर्यायवाची शब्द लिखें एवं याद करें ।

प्रश्न 5. पत्र लेखन के महत्त्व को बताते हुए औपचारिक पत्र और अनौपचारिक पत्रों के तीन-   तीन नमूनों को लिखें।

PROJECT WORK:

प्रश्न 1. हिंदी के किन्ही 5 रचनाकारों का सचित्र जीवन परिचय एक चार्ट पेपर पर बनाएँ।

ENGLISH

Reading Activity

a. Reading Activity- Download Freadom App and read stories on 19 June2024 and share pictures /screenshot of you reading stories to set a new Guinness World record for our country with most number of students reading stories.(During registration the app will ask for School Affiliation No-1780001)
Instructions:
(i)Read at least two stories on 19 June2024.Share pictures /Screenshot while reading at rawalrathor10@gmail.com
(ii) At least five during your Summer Vacation.

Creative Writing

(i)Write a short summary of the story (75 words) and name the main characters.(Refer Freadom App)
(ii)Choose 10 interesting adjectives and 10 adverbs from the book you have read during the vacation and find their dictionary meanings.
(iii)Find one synonym and one antonym for all the 20 words.
(iv)Make interesting sentences using any 10 words
Instructions: All questions to be done on a separate page
(d) Write different articles like- self composed poems, reports on excursion, speech, diary entries, story writing, riddles, puzzles, etc. (Write any two)
Note:(i) The chosen one will be published in the School Magazine-
(c)   Make a poster on any of the following topics :
i) Donate blood   ii) Keep the earth green   iii) Save water   iv) Save girl child   v) Stop violence against women
Instructions: Information   provided in poster should be in points and You can also use colours and slogans.
 (d). Make a beautiful bookmark for your Literature reader. Decorate it and write a famous quotation by a well know poet or author.
Instructions: Use a thick A4 size sheet and be as creative as you can
Note: Screenshot/pictures while reading on 19th June 2024 to be shared at rawalrathor10@gmail.com
In case of clarification contact at-7357138255.Between 8.00 PM to 8.30 PM
The deadline for submission of the above work is July 1, 2024, within the subject period.

LIFE SKILLS & VALUE EDUCATION

Watch Disney movie "Coco". Write its review comprising 150-200 words talking about theme, plot, favourite characters, values you learnt and how the movie made you feel.

The movie is available on Disney Hotstar and Amazon Prime.

COMPUTER SCIENCE

CHAPTER 1: **CYBERSECURITY AWARENESS**
·   Content 1. Research common cybersecurity threats such as malware, phishing, and identity theft. Create a cybersecurity awareness campaign targeting your peers.
CHAPTER 2: **INTERNET & THINGS**
·   Create a Blog Page on https://www.blogger.com

BIOLOGY

MAKE A PPT OF :
CHAPTER : WILDLIFE SANCTUARY or A NATIONAL PARK (SITUATED NEAR YOUR LOCALITY)
Content 1. Introduction
Content 2. Location & Map
Content 3. Area including Districts or State Territories
Content 4. Key Flora & Fauna with Pictures
Content 5. Endemic Species
Content 6. Diseases Associated with the Pollution
Content 7. Human Intervention
Content 8. Conservation of Flora & Fauna

PHYSICS

Notebook Assignment:

1. If a man stands on chair, chances of its breaking are more but if a man sits on chair, chances of its breaking are less. Explain.
2. Why does the nose of a mountaineer bleed at high altitudes?
3. Why does an astronaut wear a special type of suit?
4. The pressure due to atmosphere is very large. Why are we not crushed?
5. Calculate the pressure exerted by a brick, which applies a force of 30 N, when
(a) It is placed upright on the soil.
(b) When it is placed on its widest base.
The length, breadth and height of the brick are 20cm, 10cm & 5 cm respectively

Project Work:
1. Make a PowerPoint presentation on the 'Types of Friction' and provide 3 examples each to illustrate their application in everyday situations along with pictures.

 Presentation:
Each student will present their presentation to the class, explaining what they learned from the exercise.

CHEMISTRY

CHAPTER 1 : COAL AND PETROLEUM
1.   Radhey prefers to go to school by pooling car. On other occasions he like to opt for public transport rather than private transport. For short distances, he walks or uses bicycle.
(a) What are the benefits of carpooling?
(b) Which mean of transport do you think is best for short distances?
(c) How on our end we can reduce the consumption of fossil fuels?
(d) What values of Radhey are shown here?
2.   Find out the location of major thermal power plants in India. What could be the reasons for their being located at those places?
3.   Get an outline map of India. Mark the places in the map where coal, petroleum and natural gas are found. Show the places where petroleum refineries are situated.
4.   None of the fuels is clean fuel. Comment
5.   How is the energy useful to us? Explain.

PROJECT WORK:
 Write a report on "reducing the carbon footprint" at your school (Sainik School Chittorgarh) , address the following key points:-
1. Define the term 'carbon footprint' and explain its significance in environmental sustainability.
2. Propose practical strategies and initiatives that can be adapted by the school environment that can effectively reduce carbon footprint. Consider aspects such as energy consumption, waste management, transportation, and resource usage.
3. Reflect on the values and principles that guide your actions in reducing carbon footprint within the school community. Discuss concepts such as responsibility, stewardship, collaboration, and long-term thinking."

SOCIAL SCIENCE

ASSIGNMENT **HISTORY**
TOPIC 1 :- FROM TRADE TO TERRITORY (The Company Establishes Power)

Content A. Write the different phases of arrival of Britishers to India in 17th Century AD and also explain in details How these Traders became the Rulers in India?
Instructions :   (a) Word limit- 350-450 words
                        (b) Do the work in separate Homework Notebook

Content B. Write 35 MCQs from the chapter and also write their correct answer.
Instructions :   (a) Do the work in History Notebook

TOPIC 2 :- RULING THE COUNTRYSIDE

Content A. Write in details about two famous policies of administration by Britishers- (i) Doctrine of Lapse (ii) Subsidiary Alliance
Instructions :   (a) Word limit- 350-450 words
                        (b) Do the work in separate Homework Notebook
Content B. Write 35 MCQs from the chapter and also write their correct answer.
Instructions : (a) Do the work in History Notebook.

GEOGRAPHY
TOPIC 1 :- LAND, SOIL, WATER, NATURAL VEGETATION & WILDLIFE RESOURCES
Content A. Write in details about the importance of Natural Resources and methods to conserve them.
Points to be covered:- Meaning, Types, Stock, Environmental aspects and Conservation methods et
Instructions :   (a) Word limit- 350-450 words
                        (b) Do the work in separate Homework Notebook
Content B. Write 35 MCQs from the chapter and also write their correct answer.
Instructions :   (a) Do the work in Geography Practical Notebook.

TOPIC 2 :- AGRICULTURE
Content A. Write in details about the Importance of Agriculture in the context of Indian Economy.
Points to be covered:- Meaning, Types of Agriculture, Requisite conditions for different Crops, Contribution in Economy and Its challenges etc
(Also write your suggestions to improve the Agriculture in India)
Instructions :   (a) Word limit- 350-450 words
                        (b) Do the work in separate Homework Notebook
Content B. Write 35 MCQs from the chapter and also write their correct answer.
Instructions :   (a) Do the work in Geography Practical Notebook.

CIVICS
TOPIC 1 :- INDIAN CONSTITUTION
Content A. Write the summary of the Chapter- The Indian Constitution in your own words.
Points to be covered:- Introduction, Meaning, Preamble, Important Articles, Important Amendments, Significance in Present time and conclusion etc
Instructions :   (a) Word limit- 500 words
                        (b) Do the work in separate Homework Notebook

Project and Assignment work:
1. Make a wall size chart depicting Fundamental rights of Indian Citizens.
(Also explain them on the same chart through keywords).

SANSKRIT

CHAPTER 1: सुभाषितानि ।

Content 1. श्लोकान् हिन्दीअनुवादसहितं लिखत ।

Content2. पाठपुस्तकस्य व्याकरणभागात् सर्वनामशब्दानां (अस्मद् युष्मद् यत् इदम्) रूपाणि लिखत ।

CHAPTER 2: बिलस्यवाणी कदापि मे श्रुता ।

Content 1. बिलस्यवाणी कदापि मे श्रुता इति पाठः शुद्ध एवं स्पष्टतया पुस्तिकायां लिखत ।

Content 2. कर्ता कर्म सम्प्रदान एवं सम्बन्ध कारकेषु न्यूनातिन्यूनं पञ्च पञ्च वाक्यानि लिखत ।

Notebook Assignment: कक्षाकार्याणि पूर्तिं कुरुत ।