AIR FORCE SCHOOL AGRA

SUMMER PROJECT 2023-24

CLASS-6

ENGLISH

Puzzle game on any topic of grammar.
MCB: - unit II IN DEEP WATER
Read the chapters and solve the back exercises in the literature notebook
WORKBOOK: - Page no. 23
Exercise D and E Solve it in the grammar notebook.

HINDI

हिन्दी विषय संवर्धन गतिविधि(ग्रीष्मकालीन अवकाश गृहकार्य)
चिड़ियों की घटती संख्या के कारण एवं उनके बचाव के उपाय लगभग 100 शब्दों में लिखिए।

MATHS

Maths Holiday homework class 6th
1. To make a table of 10 x 10
2. To write all natural numbers from 1 to 100
Now make a different sets for odd numbers, even numbers, prime numbers and composite numbers according to sieve of *Erathones*.

SCIENCE

Prepare a brief report on beekeeping in the following heads :-
a) What is apiculture_ ?
b) What is beekeeping and importance of beekeeping.
c) Products obtained from beekeeping - HONEY and importance of honey in daily life.
d) Write something about beehives
Write down in A4 sheet / any other and compile it in a milky transparent file.
Do it nealty creative with appropriate pictures, diagrams, etc

SOCIAL SCIENCE

Write at least five autobiographical sentences about yourself as if you are a Planet in the Universe, mentioning your shape, size, temperature and other characteristics.

- Make a scrap book on the topic, Millets and also describe each millet.

COMPUTER

Draw pictures of Input/output/storage devices in your Computer Notebook.

SANSKRIT

संस्कृत विषय संवर्धन गतिविधि (गीष्मकालीन अवकाश गृहकार्य)

दस पशुओं के नाम संस्कृत में लिखकर चित्र बनाइए एवं रंग भी भरिए ।

AIR FORCE SCHOOL AGRA

SUMMER PROJECT 2023-24

CLASS-7

ENGLISH

Make games on the given topics according to your roll numbers
Roll no 1-10 (Nouns)
Roll no. 11- 20 (Pronoun)
Roll no. 21 to 30 (Adjectives)
Roll no. 31-40 (verbs)

MCB - unit II (Back From The Brink)
Read the chapter and solve the question and answers in your literature notebook.

WORKBOOK :- page no. 17
Write a formal letter to the manager of the oriental bookshop, thanking him for sponsoring the reading session for your school's book reading club.
(Write it in your grammar notebook)

HINDI

1- यदि आपके घर के किसी स्थान किसी पक्षी ने अपना आवास बनाया है और किसी कारणवश आपको अपना घर बदलना पड़ रहा है तो आप उस पक्षी के लिए किस तरह के प्रबंध करना आवश्यक समझेंगे? लिखिए।

2- 'हिमालय की बेटियाँ' लेख 1947 में लिखा गया था। तब से हिमालय से निकलनेवाली नदियों में क्या-क्या बदलाव आए हैं? लगभग 150 शब्दों में लिखिए।

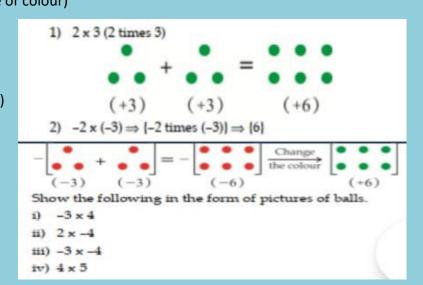# MATHEMATICS

Play with balls
Description:
Students are supposed to take two different coloured sketch pens, same number of identical balls are to be drawn for one integer as indicated. Perform activity according to given example.
(We know –ve symbol means opposite/change of colour)
Example:-
- Green for + ve integer
- Red for – ve integer

(Note- Do this activity in your Maths notebook)

1) 2×3 (2 times 3)

$(+3)$ $+$ $(+3)$ $=$ $(+6)$

2) $-2 \times (-3) \Rightarrow [-2 \text{ times } (-3)] \Rightarrow [6]$

$-[(-3) + (-3)] = -[(-6)] \xrightarrow{\text{Change the colour}} (+6)$

Show the following in the form of pictures of balls.
i) -3×4
ii) 2×-4
iii) -3×-4
iv) 4×5

SCIENCE

Make a herbarium file & paste 10 leaves. Write their common & scientific names.

SOCIAL SCIENCE

Write the effect of pollution on monuments of India and measures taken by the government to decrease the effect on it. (make a file)
                    AND
Make a scrap book on the topic, Millets and also describe each millet.

COMPUTER

Make a chart on "**Types of Computer virus**"

SANSKRIT

1- संख्यावाची शब्दाः - 1 से 50 तक की गिनतियाँ संस्कृत में लिखिए व याद भी कीजिए।
2 - पठ् धातुरूप- लट्लकार, लृट्लकार और लङ्लकार के रूप लिखिए व याद भी कीजिए।
3 - बालक व लता के शब्द रूप लिखिए एवम याद भी कीजिए।

AIR FORCE SCHOOL AGRA

SUMMER PROJECT 2023-24

CLASS-8

ENGLISH

"Collages are a great way to use the pictures to tell a story"
Create a colourful , creative and attractive collage on an A3 size sheet on the topic
PUREST BOND – ME AND MY FRIEND.

(Collect images along with the information you want to share about you and your friends)
Presentation will be conducted in the class

MCB - Unit 2 Mystery and Horror
The landlady
Read and answer B exercise in literature notebook.

Workbook-
Page 33,34 & 35 in workbook.

HINDI

हिन्दी विषय संवर्धन गतिविधि(ग्रीष्मकालीन अवकाश गृहकार्य)
अपने बचपन की शरारत भरी कोई भी कहानी लगभग 100 शब्दों में लिखिए।

MATHEMATICS

WORD PROBLEM (LINEAR EQUATIONSIN ONE VARIABLE)

I)
   a. AGE RELATED PROBLEM   - 5 QUESTIONS
   b. DIGITS RELATED PROBLEM   - 5 QUESTIONS
   c. FRACTION RELATED PROBLEM   - 5 QUESTIONS
   d. COINS RELATED PROBLEM   - 5 QUESTIONS
   e. NUMBER RELATED PROBLEM   - 5 QUESTIONS

_____

II)

SOLVE LINEAR EQUATIONS IN ONE VARIABLE
   a) VARIABLES ON BOTH SIDES   - 5 QUESTIONS
   b) REDUCING EQUATIONS TO SIMPLER FORM   - 5 QUESTIONS

SCIENCE

Collect different types of seeds& put them in small bags. Paste all these in a file& label them.
Collect pictures of some agricultural machines & paste them in same file. Write their names &
uses

SOCIAL SCIENCE

Make a Weather calendar for one week. Show pictures and symbols to show different types of weather. You can use more than one symbol in a day if weather changes.

Make a scrap book on the topic, Millets and also describe each millet.

COMPUTER

Make a model on "**Computer Network"**, materials used best of waste.

SANSKRIT

संस्कृत विषय संवर्धन गतिविधि 2023-24
पाँच नीति के वाक्यों अथवा संस्कृत सूक्तियों का संकलन कीजिए तथा उनको फूलों या पत्तियों की आकृति में आकर्षक तरीके से अर्थ सहित लिखिए।
निर्देश: उपरोक्त कार्य को संस्कृत की उत्तरपुस्तिका में स्वच्छ व सुंदर तरीके से प्रस्तुत करें।

AIR FORCE SCHOOL AGRA

SUMMER PROJECT 2023-24

CLASS-9

ENGLISH

Conduct an interview with your parents and grandparents and find out how things have changed over time. Your project must contain a minimum of 10 questions.
Some ideas/topics you could include in the questionnaire are
i) What they thought was a really fun thing to do.
ii) The music they listened to.
iii) The movies they liked
iv) The television shows they enjoyed
v) Why they liked these things back then?
vi) When my parents were my age, what were they not allowed to do?
vii) Why were they not allowed todo those things?
viii) What did their parents believe in?
ix) What did they disagree with their parents about?
x) How much money did they have for themselves as pocket money?
xi) What was the maximum amount they were allowed to spend on?
xii) In what ways are your parents like their parents? In what ways are they different?
xiii) Who were the people your parents admired when they were teenagers?
xiv) What were some things they worried about?
Compare the answers with your time and then write the interview in the form of an article.

HINDI

प्रश्न 1. किसी एक विषय पर 80 से 100 शब्दों मे संवाद लिखिए।
क) पानी की बर्बादी रोकने के विषय में मालिक और नौकर के मध्य हुए वार्तालाप को संवाद लेखन के रूप में लिखिए।
ख) परीक्षा की तैयारी के विषय में दो मित्रों के मध्य हुई चर्चा को संवाद लेखन के रूप में लिखिए।

प्रश्न 2. निम्नलिखित विषयों में से किसी एक विषय पर लघु कहानी लेखन 100 शब्दों में लिखिए।
एकता में बल
अथवा
सन्तोषी सदा सुखी

निर्देश: उपरोक्त कार्य को हिंदी की उत्तरपुस्तिका में स्वच्छ व सुंदर तरीके से प्रस्तुत करें।

MATHEMATICS

CLASS 9
HOLIDAY ASSIGNMENT
CHAPTER 1
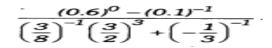
Question 1.   Simplify: $(\sqrt{5} + \sqrt{2})^2$.

Question 2.   Find the value of $\sqrt{(3)^{-2}}$.

Question 3.   Identify a rational number among the numbers : $2 + \sqrt{2}$, $2\sqrt{2}$, 0 and π
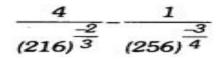
Question 4.   Express 1.8181… in the form p/q where p and q are integers and $q \neq 0$.

Question 5.   Simplify : $\sqrt{45} - 3\sqrt{20} + 4\sqrt{5}$

Question 6.   Find the value of'

$$\frac{(0.6)^0 - (0.1)^{-1}}{\left(\frac{3}{8}\right)^{-1}\left(\frac{3}{2}\right)^3 + \left(-\frac{1}{3}\right)^{-1}}.$$

Question 7.   Find the value of

$$\frac{4}{(216)^{\frac{-2}{3}}} - \frac{1}{(256)^{\frac{-3}{4}}}$$

Question 8.   Represent $\sqrt{7.2}$ on the number line.

Question 9.   If $x = 9 + 4\sqrt{5}$, find the value of $\sqrt{x} - 1/\sqrt{x}$.

Question 10.   Find 'x', if $2^{x-7} \times 5^{x-4} = 1250$.

CHAPTER 2

Question 1.   Factorise : $125x^3 - 64y^3$

Question 2.   Find the value of $(x + y)^2 + (x - y)^2$.

Question 3.   If $p(x) = x^2 - 2\sqrt{2}x + 1$, then find the value of $p(2\sqrt{2})$

Question 4.   Find the value of m, if $x + 4$ is a factor of the polynomial $x^2 + 3x + m$.

Question 5.   Find the remainder when $x^3 + x^2 + x + 1$ is divided by $x - 12$.

Question 6.   Expand : (i) $(y - \sqrt{3})^2$ (ii) $(x - 2y - 3z)^2$

Question 7.   Factorise : $1 - 2ab - (a^2 + b^2)$.

Question 8.   Prove that $(a + b + c)^3 - a^3 - b^3 - c^3 = 3(a + b)(b + c)(c + a)$.

Question 9.   If $x - 3$ is a factor of $x^2 - 6x + 12$, then find the value of k.

Question 10.   Factorise : $x^3 - 6x^2 + 11x - 6$.

SCIENCE

Make a working model of your choice from the syllabus of class 9& 10

SOCIAL SCIENCE

Q1. File on disaster management as prescribed by CBSE.
   a. Introduction
   b. What is disaster?
   c. What are the types of disaster?
   d. How the disaster take place?
   e. Explain disaster management cycle.
   f. Initiative taken by the government to control disasters and creating awareness on disaster management.
   g. Conclusion

COMPUTER

Design a cover page for School Diary or Magazine. Take a print out

AIR FORCE SCHOOL AGRA

SUMMER PROJECT **2023-24**

CLASS-10

ENGLISH

1. Create an interview session between Nelson Mandela and the interviewer .
A- Prepare a questionnaire on Nelson Mandela - as a person and his contributions to the removal of Apartheid
B- Try to get an overview of Mandela's life.
To be done in a file and later presentation to be given in class.
2. Compose a small poem on the topic - Man versus Nature.

HINDI

1. नेताजी सुभाष चंद्र बोस के व्यक्तित्व एवं कृतित्व पर चित्र सहित प्रोजेक्ट बनाइए।
2. पाठ-; बालगोबिन भगत के आधार पर हिंदी महीनों का वर्णन करते हुए उनकी एक सूची तैयार कीजिए।

MATHEMATICS

Worksheets to be done given on done chapters in the class.

SCIENCE

To conduct a research on "Management on Natural Resources" and create a presentation file.

SOCIAL SCIENCE

Make a File on Consumer Rights :-
-Project Name
-Student Details
-Approval Certificate
-Acknowledgement
-Introduction
-Subject Matter
1. Introduction
2. Who are Consumers?
3. How are consumers exploited in the market place?
4. Initiatives taken by government to empower the consumers in the market place .
5. COPRA
6. RTI
7. Types of Consumer Rights
< Explain any one of the rights with suitable examples along with a photograph>

COMPUTER

Design two webpages on the topic **"Global Warming".** Write HTML code and paste its output in separate Computer Practical copy.