

ARMY PUBLIC SCHOOL KOTA
2021-22
CLASS: IX
COMPILED SUMMER HOLIDAY HOMEWORK

SUBJECT - ENGLISH

Class IX any four activities of your choice

1. Write and post an actual letter or you may send a letter on your English teacher e-mail address telling about how are you are spending your summer vacation. (150-200 words)
2. Prepare a short video on how are you going to spend or have spent your summer vacation. All the description will be in English.
HINT: You may include your daily routine, important events, activities to keep yourself busy during vacation, help or things you are doing to keep your family members happy.
3. See any three short award winning animated movies and write a review on each in 50-60 words on A4 size paper and give it to your English teacher.
4. Use your creativity and imagination to write a funny, horror or inspirational story in 100-200 words. It has to be your own creation. Use uncommon names for your characters and a story that is never heard by any one, your original story. Write it on A4 size paper and submit it to your English teacher.
5. Write a diary entry of 50-100 word every day, take care of spellings and grammar.
6. Prepare a flow chart on chart paper on any one topic of grammar that is there in your syllabus. Submit it to your English teacher.
7. Prepare a video of two to three minutes on any one debate from the given topic ,it is your choice to say for the motion or against the motion. Send it to your English teacher.
 1. Self studies vs Classroom studies: Which one is better way to learn?
 2. Are today's children fashion victims?
 3. Students should not be graded on their handwriting
 4. Are Online Courses good or bad?
8. Collect pictures and information about any two writers and write in 200-300 words.
9. Ask your parents or siblings to take a dictation of all the chapters every day, maintain a copy. Make correction of wrong spellings (compulsory for all.)
Submit the dictation copy after vacation to English teacher.
10. Take a normal plastic or shoe box decorate or cover it. Every day take any five new words , learn it's spelling and meaning and frame a sentence. And collect it in box. Once the school reopens the English teacher will ask you the spellings meaning and to frame sentences. That you have collected in Word bank box.

11. Read, mark and write the hard word's meanings in your ncert books with pencil and show it to your class teacher. Read in front of mirror or read it to your parents, stress on right pronunciation and intonation and look for its pronunciation on internet.

12. Increase your typing skills in key board.
Compulsory for all

SUBJECT: HINDI

1. पत्र लेखन

(क) पर्वतीय यात्रा में साथ चलने का निमंत्रण देते हुए मित्र को पत्र लिखिए

(ख) पेड़ पौधों के लाभ बताते हुए उनके संरक्षण की प्रेरणा देते हुए छोटे भाई को पत्र लिखिए।

2. उपसर्ग व प्रत्यय

(क) आपके व्याकरण की पुस्तक से दस उपसर्ग व दस प्रत्यय उदाहरण सहित लिखिए।

3. संवाद लेखन

(क) परीक्षा के बाद पिता पुत्र के मध्य होने वाले संवाद लिखिए।

4. संदेश लेखन

(क) अपनी अध्यापिका को हिंदी दिवस की बधाई देते हुए संदेश लिखिए।

5. आपके व्याकरण की पुस्तक से बीस-बीस पर्यायवाची व विलोम शब्द लिखिए

परियोजना कार्य

(1) अपनी पुस्तक से किन्हीं दो लेखकों के व्यक्तित्व व कृतित्व का परिचय देते हुए सचित्र वर्णन कीजिए।

(2) पर्यावरण व वृक्षारोपण संबंधी पाँच नारों का सचित्र लेखन कीजिये।

(3) अनुच्छेद लिखिए

(क) मेरे आदर्श अध्यापक

(ख) मेरे प्रिय कवि

(4) वाक्य के सभी भेदों को चार्ट पर प्रदर्शित कीजिये।

विषय-संस्कृत

१. शब्द रूप - कवि, साधु, मति, मातृ, पितृ लिखना एवं याद करना।

२. सर्वनाम शब्द रूप . किम्, तद्, एतत् { तीन लिंग में}, अस्मद्, युष्मद् लिखना एवं याद करना।

३. धातुरूप भू, चल, कथ, गम - पांचो लकार में लिखना व याद करना।

४ "भारतीयसन्तगीति" को याद करना।

५ ५ वाद्ययंत्रों का चित्र सहित संस्कृत में नाम लिखना।

६ १० सूक्तिवाक्यों को लिखना व याद करना।

७ संस्कृत के १० प्रसिद्ध कवियों के नाम व उनकी रचनाएँ लिखना व याद करना।

SUBJECT: MATHS

Instructions:

1. Do worksheets in your Maths notebook and lab activities in Maths practical notebook
2. Write questions also along with answers
3. Use only blue and black pen for writing in both the notebooks.
4. In practical notebook, pasting work or figures on blank / unruled side and writing part on ruled side.
5. There are 3 worksheets and 3 lab activities (Arya Publication) which is to be completed in vacations

Worksheets-

- (i) MCQ Worksheet 1- Number systems
- (ii) MCQ Worksheet 2- Number systems
- (iii) Practice Worksheet- Number systems

Lab manual activities-

- (i) Activity 1- Square roots of natural numbers
- (ii) Activity 2- Algebraic identities
- (iii) Activity 3- Factorisation of quadratic polynomials

6. Start each worksheet and lab activity from new page.
7. Maths Art integration activity- Constructing square root spiral on A-4 size paper
8. Draw concept maps of Ch.1 Number Systems and Ch.2 Polynomials on A-4 size papers
9. Submit your complete assignment after vacations to me on my personal number.
10. In case of any query, ask me on my number.

SUBJECT: SCIENCE

Write the following answer in Holiday H.W copy

Chemistry

Matter in our surroundings

Write the following answer in one word or one sentence .

1. Pressure on the surface of a gas is increased. What will happen to the inter particle forces?
2. Name the three states of matter.
3. What happens when a liquid is heated ?
4. A gas can exert pressure on the walls of the container. Assign reason.
5. Convert the following temperature to Kelvin Scale (a) 100°C (b) -100°C
6. Define Latent heat of vaporisation.
7. Explain why temperature remain constant during the change of state of any substance?
8. Define Sublimation with examples.
9. Do we sweat more on a dry day or humid day ? Justify your reason.
10. Why do we see water droplets on the outer surface of a glass containing ice cold water?

Write the following answer in two sentences.

11. Convert the following temperature to the CELCIUS scale (a) 25K (b) 373K
12. List two properties that liquids have in common with solids.
13. List two properties that liquids have in common with gases.
14. What will happen to the melting point of ice if some common salt is added to it? Justify your answer.
15. How will you show that air has maximum compressibility?

BIOLOGY

1. Draw the figures of various types of cells present in human body.
2. Draw a mind map to show cell components, cell organelles its discoveries and their functions.
3. Draw the nucleus of the cell and write a short note for the following
 - a) Double layered structure which encloses the nucleus
 - b) Visible entangled mass of thread like structure
4. Differentiate the following terms
 - a) Cytoplasm and nucleoplasm
 - b) Plant cell and animal cell

PHYSICS

- 1) What does odometer of an automobile measure?
- 2) What can you say about the motion of an object whose displacement- time graph is a straight line parallel to the time axis?
- 3) What is the acceleration of a body moving with uniform velocity?

NOTE- Write down the following experiment in your practical file and kindly note that holiday HW will come under portfolio that will carry 5 marks and practical file/ Activity under subject enrichment will also carry 5 mark

(LIST OF EXPERIMENTS)

1. Preparation of:
 - a) a true solution of common salt, sugar and alum
 - b) a suspension of soil, chalk powder and fine sand in water
 - c) a colloidal solution of starch in water and egg albumin/milk in water and distinguish between these on the basis of
 - transparency
 - filtration criterion
 - stability
2. Preparation of
 - a) A mixture
 - b) A compound using iron filings and sulphur powder and distinguishing between these on the basis of: (i) appearance, i.e., homogeneity and heterogeneity
(ii) behaviour towards a magnet
(iii) behaviour towards carbon disulphide as a solvent
(iv) effect of heat
3. Separation of the components of a mixture of sand, common salt and ammonium chloride (or camphor).
4. Perform the following reactions and classify them as physical or chemical changes:
 - a) Iron with copper sulphate solution in water
 - b) Burning of magnesium ribbon in air
 - c) Zinc with dilute sulphuric acid
 - d) Heating of copper sulphate crystals
 - e) Sodium sulphate with barium chloride in the form of their solutions in water.

SUBJECT: SOCIAL SCIENCE

Each of the below mentioned assignment is compulsory for all students to be done individually and is allocated 20 marks under internal assessment for the session 2021-22.

1. Assignment:

Complete the NCERT question- answers in Geography notebook as follows:

Geography: ch 1, 2 2

2. Maps File: Complete the map skills question of the following chapters:

Geog: India- Size and Location and Physical Features of India 3 Other Works

3:other work-

[1.] Make a flow chart on any topic of SST on A4 Size paper

[2.] Make a concept map or mind map on A4 Size paper from any SST chapter of your class.

[3.] Make a colorful picture or cartoon from any chapter of Hist or Civics on A4 size paper from your syllabus.

4. CBSE assigned Project :

[1.] Every student has to compulsorily undertake one project on Disaster Management.

[2.] Various forms of art may be integrated in the project work.

Details regarding CBSE assigned Project:

1. Every student has to compulsorily undertake one project on Disaster Management.

2. Objectives: The main objectives of giving project work on Disaster Management to the students are to:

a. To create awareness in students about different disasters, their consequences and management

b. To prepare in advance to face such situations c. To ensure participation in disaster mitigation plans d. To enable to create awareness and preparedness among the community.

3. If possible, different forms of art may be integrated in the project work. (Maps, pie diagrams, charts, pictures made and pasted)

4. The distribution of marks over different aspects relating to Project Work is as follows:

a.content accuracy,originality and analysis- 2 marks

b.presentation and creativity – 2 marks

c. viva voce – 1 mark

5. The projects carried out by the students should be shared among themselves through interactive sessions such as exhibitions, panel discussions, etc.

6. It is to be noted here by all the teachers and students that the projects and models prepared should be made from eco-friendly products without incurring too much expenditure.

7. The Project Report should be handwritten by the students themselves

8. The record of the project work (internal assessment) should be kept for a period of three months for verification, if any

9. Necessary steps for 'Disaster Management' A4 Size File: (CBSE project)

1. Cover Page- APS logo, name of school, session, Subject, Topic of Project, Name of student, class, Sec and Roll no

[1.] Acknowledgement: Express thanks to everyone who helped you in this project

[2.] Certificate of Appreciation

[3.] List of Contents / Index

[4.] Introduction to your Topic of Project and aims and objectives of the project.

[5.]Explanation, analysis and examination of your project topic.

[6.] Conclusion at the end.

[7.] Bibliography

General Instructions: • The project needs to be neatly done on A4 size sheet. • It should be hand written • Use a neatly labelled handmade file for the project. • Cover page of the file should beautifully illustrate the theme of project with the help of pictures and awareness messages. • Use your creativity for beautiful and artistic presentation.

SUBJECT: ART
WORK - ART INTEGRATION PROJECT

On the topic of each subject, you have to create different projects and prepare a project file for each subject, after completion the project make PDF and send to me. This project will have to be submitted to the school when the school reopens.

- 1. You have to write the topic of Hindi subject in Hindi language only.**
- 2. You have to make 3 or 4 pages on each topic and subject.**
- 3. Your project must be handmade, not copied from anywhere but you can seek help.**
- 4. If you have any doubt you can call me between 10.00am to 12.00pm.**
- 5. Its is compulsory for everyone to complete as its record is submitted to CBSE.**

SR	SUBJECT	ACTIVITY/TOPIC
1	HINDI	Major cities and their introduction (Drawing & Painting)
2	ENGLISH	Festival of Assam (Mask/Story Telling/Painting)

3	SST	Study of famous mountain in Assam (Creating art reservoir using waste material, Collage)
4	SCIENCE	The pictures of medicinal planting of Assam (Sketching & Painting, Craft)
5	MATHS	Making cylinders and decorating with Assam art (Drawing, Collage & explain in picture)

5. You have to create the first page of the project each topic in this format.

<p style="text-align: center;">ART INTEGRATION PROJECT</p> <p style="text-align: center;">SUBJECT</p> <p style="text-align: center;">TOPIC</p> <p style="text-align: center;">CLASS-</p> <p style="text-align: center;">YOUR NAME-</p> <p style="text-align: center;">ARMY PUBLIC SCHOOL KOTA</p>

6. Material use A-4 white, color paper, water color, poster color, crayons color, pencil color, color glitter pens, charcoal ,waste material, etc.

BOOK READING

Read these books and write a short summary.

1. <https://allnovel.net/the-secret-highlands-lairds-1.html>
2. <https://allnovel.net/heir-of-fire-throne-of-glass-3.html>

Also select hard words from the story and write. It will improve your vocabulary.

EMOTIONAL HEALTH AND WELLNESS

1. Thankful Pictures

During the week, take pictures of things you're thankful for. Then combine them into a slideshow, collage, or other collection to revisit and add to.

2. Write and Reflect

Write down your feelings, emotions and thoughts in a page covering the following two areas :

*How have your thoughts and feelings about the pandemic changed since it began last spring?

*How has the pandemic changed you, for better or worse?

Send your holiday homework to School Counselor Mrs. Swati Gautam on what's app number 9587665976.

All the best

HEALTH AND FITNESS

Do these poses of yoga on daily basis and write down three benefits of it in copy.

1. Padmasana
2. Sukhasana
3. Vajrasana
4. Bhujangasana
5. Vrikshasana
6. Tadasana
7. Padmasana
8. Vajrasana

Perform 100 skipping daily.

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