

Army Public School Kota, Rajasthan
Summer Holiday Homework (2021-22)
X (All Subjects)

Subject : English

Do any four activities of your choice plus two compulsory

1. Write and post an actual letter or you may send a letter on your English teacher e-mail address telling about how 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 one chapter each 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 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 on key board. **Compulsory for all.**
****This for your own practice ****

Put your all your written assignments in a folder or you may compile it in one copy and submit it. Charts you may submit separately. These assignments will be used for internal assessment, so you need to maintain it properly.

SUBJECT HINDI

1. पत्र लेखन

(क) विद्यालय के प्राचार्य की ओर से वन विभाग के मुख्य अधिकारी को पत्र लिखकर विद्यालय के पीछे पड़े स्थान पर वृक्षारोपण कराने का सुझाव दीजिए।

(ख) स्वास्थ्य मंत्रालय के सचिव की ओर से जिला कलेक्टर को पत्र लिखें ,जिसमें वर्तमान परिस्थितियों में कोरोना काल में होने वाली समस्याओं को निपटाने के लिए सुझाव लिखे हों।

(2) सूचना लेखन

(क) 'हिंदी दिवस' के अवसर पर आपके विद्यालय में एक साहित्यिक गोष्ठी का आयोजन किया जा रहा है ,इस विषय में एक सूचना तैयार कीजिए।

(3)विज्ञापन लेखन

(क) आपके विद्यालय में हिंदी कार्यशाला होने वाली है, इसके प्रचार के लिए किसी प्रतिष्ठित समाचार पत्र में विज्ञापन दीजिए।

(4)लघु कथा लेखन

(क) 'बड़े भाई साहब' पाठ को आधार बनाकर एक लघु कथा लिखिए।

(5)मुहावरे

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- Real Numbers

(ii) MCQ Worksheet 2- Real Numbers

(iii) Practice Worksheet- Real Numbers

☑ Lab manual activities- (i) Activity 1- To obtain the condition for Pair of linear equations in two variables by graphical method.

(ii) Activity 2- To verify the Basic Proportionality theorem through an activity.

(iii) Activity 3- To verify the Pythagoras theorem through activity.

6. Start each worksheet and lab activity from new page.
7. Maths Art integration activity- Real numbers on A-4 size paper
8. Draw concept maps of Ch.1 Real Numbers and Ch.2 Polynomials on A-4 size papers
9. Submit your complete assignment after vacations to me on my personal number 9461710769.
10. In case of any query, ask me on my number.

SUBJECT SCIENCE

Answer the following questions:

Q1. Write balanced chemical equations for the following statements:

- a) NaOH solution is heated with zinc granules.
- b) Excess of carbon dioxide gas is passed through limewater.
- c) Dilute sulphuric acid reacts with sodium carbonate.
- d) Egg shells are dropped in hydrochloric acid.
- e) Copper (II) oxide reacts with dilute hydrochloric acid.
- f) Copper is heated in air.
- g) Iron reacts with steam.
- h) Aluminium reacts with copper chloride.
- i) Hydrogen gas combines with Nitrogen.
- j) Barium chloride reacts with Sodium sulphate.

Q2. Differentiate between an exothermic and an endothermic reaction. Write one example for each.

Q3. What is the difference between displacement and double displacement reactions? Write equations for these reactions.

Q4. Write one Equation each for decomposition reactions carried out with the help of:

- i)electricity ii)heat iii)sunlight

Q5. Why are decomposition reactions called opposite of combination reactions? Write equations for these reactions.

Q6. Explain the following in terms of gain or loss of oxygen with two examples each:

- a)oxidation b)reduction

Q7. Give reason:

- a) We apply paint on iron articles.
- b) Oil and fat containing food items are flushed with nitrogen.
- c) Respiration is considered an exothermic reaction?

Q8. What do you mean by precipitation reaction? Explain with examples.

PART B

Q1. Draw a mini periodic table till calcium element showing atomic number, and electronic configuration along with atomic mass and valency with different colors.

Q2. Draw neat and labeled diagrams of:

- a) Digestive system in human beings.
- b) Human respiratory system.
- c) Schematic sectional view of human heart.
- d) Excretory system in human beings.

Q3. Draw the ray diagrams given in figure 10.2 to 10.8 of chapter 10 Light from Science textbook (NCERT).

Q4. Prepare a brief write up on the topic: ” **Covid-19 and The environment** ”record a video and send to science teacher.

Q5. Explain:

- i) What is pulse oximeter? Where it is used?
- ii) How is oxygen transported in human beings?
- iii) Which pigment plays important role in transportation of oxygen?
- iv) In which process oxygen is produced as a by product?
- v) Write important uses of oxygen.

PART C

Q1. Prepare a mind map of chapter 1 and chapter 6.

Q2. Write the following experiments in the practical file:

- i) Performing and observing the following reactions and classifying them into:
 - a) Combination reaction
 - b) Decomposition reaction
 - c) Displacement reaction
 - d) Double displacement reaction.

- A) Action of water on quick lime.
- B) Action of heat on ferrous sulphate crystals.
- C) Iron Nails kept in copper sulphate solution.
- D) Reaction between sodium sulphate and barium chloride solution.
- ii) Studying the properties of acids and basis (HCl&NaOH) on the basis of their reaction with:
- Litmus solution
 - Zinc metal
 - Solid sodium carbonate
- iii) Experimentally show that carbon dioxide is given out during respiration.
- iv) Studying binary fission in Amoeba and budding in Yeast and Hydra with the help of prepared slide.
- v) Determination of focal length of convex lens and concave mirror by obtaining the image of distant object.
- vi) Tracing the path of the ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction and angle of emergence and interpret the result.
- vii) Tracing the path of the rays of light through a glass prism.

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.

S No.	Topic	Summer Vacation Home Work
1	Assignment	Complete the Assignment work in social studies notebooks as follows: Democratic Politics: Ch 1- Power Sharing Economics: Ch 1- Development History: ch 1- Nationalism in India <u>Note: To be provided to you by Mrs. Sunanda Mishra</u>
2	Maps file	<u>Note: To be provided to you by Mrs. Sunanda Mishra</u>
3	Other Works	1. Make a flow chart on any topic of SST on A4 Size paper from your syllabus.

		<p>2. Make a concept map or mind map on A4 Size paper from any SST chapter of class 10.</p> <p>3. Make a colourful picture or cartoon taken from any chapter of Hist or Civics on A4 size paper from your syllabus.</p>
4	CBSE assigned Project	<p>Every student has to compulsorily undertake any one project on the following topics:</p> <p>Consumer Awareness OR Social Issues OR Sustainable Development</p>

Details regarding CBSE assigned Project:

1. *Every student* has to compulsorily undertake **any one project** on the following topics:

Consumer Awareness (refer Economics chapter 5)

OR

Social Issues (On any **Two Sub topics**: Religious conflicts, Safety and Security of citizens, Illiteracy, Child abuse, Drug abuse, unemployment, population growth, casteism, communalism, regionalism, corruption, road accidents, poverty, language conflict or any other Social issue.)

OR

Sustainable Development (Sub Topics-Conservation of environment, Conservation of forest- Chipko movement and Biodiversity, Water Resources, Mineral and energy etc.)

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

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

S. No.	Aspects	Marks
a.	Content accuracy, originality and analysis	2
b.	Presentation and creativity	2
c.	Viva Voce	1

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

5. 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.

6. **The Project Report should be handwritten by the students themselves.**

7. **Records pertaining to projects** (internal assessment) of the students will be **maintained for a period of three months from the date of declaration of result for verification at the discretion of Board.**

8. Steps for A4 size project File: (CBSE Project)

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

2. Acknowledgement: Express thanks to everyone who helped you in this project

3. Certificate of Appreciation

4. List of Contents / Index

5. Introduction to your Topic of Project and aims and objectives of the project.

6. Explanation, analysis and examination of your project topic.

7. Conclusion at the end.

8. 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

Dress of Assam.

(Drawing & Painting)

2 ENGLISH

Festival of Assam.

(Mask/Story Telling/Painting)

3 SST

Kaziranga national park.

(Creating art reservoir using waste

material, painting,Collage)

4 SCIENCE

To study thermal power plant (Sketching & Painting, Craft)

5 MATHS

making role of tourism on GDP & development of Assam

(Drawing, Collage & explain in picture)

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

Emotional Health and Well-being

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.

HEALTH AND WELLNESS

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

BOOK READING

- the given below books and write their short summary.
- Also select hard words from the story and write. It will improve your vocabulary.

<https://allnovel.net/the-secret-highlands-lairds-1.html>

<https://allnovel.net/heir-of-fire-throne-of-glass-3.html>