

SUMMER HOLIDAY HOMEWORK
CLASS VIII

Dear kids,

This year's summer break is not a usual one. Each year we look forward to this break with plans to visit our hometowns, or meet our grandparents, see a new city, or join a hobby class. We even get an extra hour to play with our friends without much scolding from mom! But none of these will be possible this year other than the scolding part of course! One more thing that stays the same this year as well is the HOLIDAY HOMEWORK. So, here's the list of tasks to be done by you all:

English:

- 1) **MOVIE TIME:** Watch the following short movies and Write their review. The review should cover the story, plot, characters, narration, and lesson learnt.

<https://youtu.be/WjqiU5FgsYc>

<https://youtu.be/sPupxtZ6bQQ>

- 2) **VOCABULARY ENHANCEMENT:** find the meanings of the following words and write one synonym and one antonym each

S.NO.	WORD	S.NO.	WORD
1	accuse	16	eternal
2	bane	17	anguish
3	quarrel	18	joyful
4	impeccable	19	stubborn
5	invincible	20	Swift
6	comprehend	21	Optimistic
7	terse	22	feeble
8	repercussion	23	hideous
9	admonish	24	pretentious
10	confidant	25	laborious
11	vulnerable	26	ponder
12	horrid	27	glutton
13	terrific	28	abduct
14	Prompt	28	shackles
15	tremble	30	whims

- 3) **THE WORDSMITHS:** Given below is a list of writers. Make a list of at least five of their works, mention the awards won by them and the genre of their writing.

S.NO	WRITER	S.NO	WRITER
1	Rabindranath Tagore	8	Rudyard Kipling
2	Charles Dickens	9	Enid Blyton

3	Homer	10	Jeffery Archer
4	Beatrix Potter	11	Jeff Kinney
5	Munshi Premchand	12	R.K Narayan
6	Lewis Carroll	13	C. S. Lewis
7	J.R.R. Tolkien	14	Mark Twain

4. **BE YOUR OWN ARTIST:** Make a bookmark and write on it in beautiful hand any one quote or word that inspires you in your life.
5. **STORY TIME:** India is a land of myriad cultures and it is only imperative that we explore it some more and get to know ones such Wonderland called SIKKIM. You all will find and read a few folklores from the land of beautiful vistas.
6. **SING YOUR WAY INTO HOPE:** learn the lyrics of the song “We shall overcome”. You can sing it with your family, cousins or friends.

NOTE: ALL THE WRITTEN WORK TO BE DONE ON A4 SIZE SHEET AND STAPLED TOGETHER.

SANSKRIT

निर्देश-सभी कार्य संस्कृत कॉपी में ही किए जाएगे, अलग से ओर कॉपी नहीं बनानी है। है

1-व्याकरण पुस्तिक से पाँच अपठित ग्राहाशः उत्तर सहित लिखना

2-व्याकरण पुस्तिक से पाँच पत्र लेखन उत्तर सहित लिखना

3-निम्न शब्द रूप लेखन –राम, लता, फल, मुनि, अस्मद्, युष्मद्(किम्, तत् तीनों लिंगों में)

4-धातु रूप लेखन –पा, वद्, नम्, पद्, गम्, चल, धाव लिख (लकार-लट्, लङ्, लृट्, लोट्, विधिलिङ्)

5-संधि-दीर्घ संधि के 10 शब्द, गुण संधि के 10 शब्द और वृद्धि संधि के 10 शब्द (पाँच शब्द संधियुक्त, पाँच शब्द संधि विग्रह

6-प्रत्यय-कत्वा प्रत्यय के 10 शब्द (पाँच प्रत्यय युक्त और पाँच विग्रह युक्त) ल्यप प्रत्यय के 10 शब्द

परियोजना – (निम्न में से कोई एक)

1-किसी श्लोक को कलात्मक रूप से लिखकर उसके अर्थ के अनुसार चित्र बनाना

2. तीस्ता नदी किस प्रदेश में बहती है उस प्रदेश की पाँच विशेषताओं का लिखे

HINDI:

1. “ज्ञान सागर” पुस्तक के अंतर्गत पढ़ाए गए पाठों में से अनुस्वार, अनुनासिक तथा नुक्ता के शब्दों की सूची बनाकर लिखिए!

2. पठित पाठों में से पर्यायवाची शब्द, विलोम शब्द तथा भाववाचक संज्ञा के शब्द छांट कर लिखिए।

3. “असल धन” पाठ के आधार पर अकबर - बीरबल के बुद्धिमानी के किससे पढ़िए और किन्हीं दो किससों के बारे में लिखिए !

4. अभी तक के कराए गए समस्त कार्य को पूर्ण कीजिए तथा कंठस्थ कीजिए !

5. आप सभी प्रवाह संचित्र (flow chart) से भलीभांति परिचित हैं, अच्छे पड़ोसी के गुण तथा आश्रम के अतिथि और संस्मरण पाठ के प्रवाह संचित्र बनाइए !

* उपरोक्त सभी कार्य व्याकरण की उत्तर पुस्तिका में कीजिए एवं पृष्ठ स्मृति (book mark) अवश्य लगाएं ! यदि आपके पास उत्तर पुस्तिका ना हो तो कार्य, खुले पृष्ठों (loose sheets) पर कर सकते हैं!*

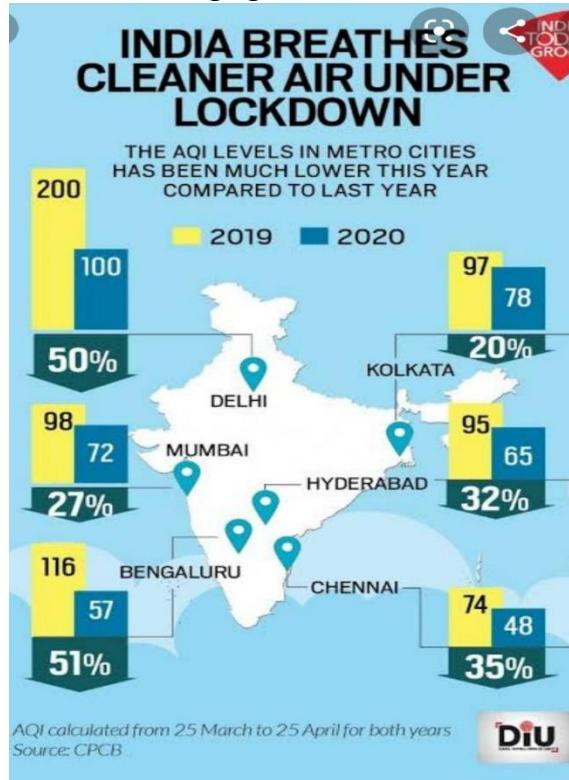
** घर पर रहें तथा सुरक्षित रहें !**

MATHEMATICS

1. Mathematical Analysis of pollution level in India

As you know that due to the outbreak of coronavirus , we are living in lockdown, due to which human activities like vehicles on road, factories etc. are reduced. As an impact our mother earth is repairing.

Look at the image given below:



- Based on the above image, make a table on the Air Quality Index of the metro cities in March 2019 and March 2020
- Make a double bar graph depicting the AQI of all the cities in both the year (refer to class 7 maths textbook for help)
- Make any three questions on the basis of bar graph drawn.
- Compare the data of both the years, and calculate the percentage of improvement in AQI of year 2020 in respect to year 2019 of all the metro cities.(show all the steps of calculation using the formula given below and verify your answer from the data given in the image)

formula to be used

Percentage of improvement = $AQI \text{ of } 2019 - AQI \text{ of } 2020 / AQI \text{ of } 2019 \times 100$

- Why do you think there is an improvement in the AQI levels in 2020?
- Suggest a few ways in which we can maintain these AQI levels even after lockdown is over?
- Art integration:** Collect pictures from the internet showing the environmental changes around us in both the years and make a collage with the pictures depicting the changes in the file itself.(for example : This year , during these days we are able to see a clear sky and can see night sky full of stars which was not seen during last year)

Note: the above project has to be done in a scrap file

- Complete the assignment of the chapters Squares and Square Roots, Cubes and Cube roots and algebraic identities in your maths register.
- Cross number puzzle**

Down

1. Cube of 9.
2. Missing number to make 12, ___, 37, a pythagorean triplet.
4. Smallest number by which 248 be multiplied to make the resultant a perfect cube number.
5. Square of 75.
6. Smallest square number that is divisible by each of 5 and 11
9. Without adding, find the sum of $1 + 3 + 5 + 7 + 9 + 11$.
10. Smallest number which when added to 7669 makes the resultant a perfect square.

Across

2. Square of 19.
3. Look at the numbers given below and find the number which cannot be a perfect square.
81, 100, 144, 25000
7. Square root of 4489
8. Smallest natural number other than 1 which is a perfect square as well as a perfect cube number.
10. Cube root of 357911.
11. Smallest number which when subtracted from 374695 makes the resultant a perfect square number.

1	2			6
3	5			
4	7	10		
			9	
11			8	

Note: the crossword is to be done in the scrap file

SCIENCE**BIOLOGY:**

1. Complete the art integration work from the chapters covered.
 - a. Chapter 1: The Cell- its structure and functions
Students will make a typical cell structure with the help of wool/cotton/waste-cloth/newspaper or any other material available at their home on A4 size sheet.
 - b. Chapter 9: Crop production and its management
Students will make agricultural implements with the help of newspaper or any other material available at home (paper cutting activity) and will paste them on an A4 size sheet.
2. Complete the assignment and textbook questions of the chapters covered in online classes.
3. Learn the notes and revise the chapters mentioned above.

PHYSICS/CHEMISTRY

- I.Complete the assignment and back questions of Chapter -Force and Pressure in fair notebook. (As uploaded on student login Id).
- II.Revise the following Chapters:

- Force and Pressure
- Combustion

(For Revision test to be held after vacations)

III. ART INTEGRATION: Complete the following:

- A.** Combustion: Draw the different zones of the candle flames using waste materials on an A-4 sheet.
- B.** Force and Pressure: Draw a cartoon showing different types of forces acting on it also specify the types of forces in the situation on an A-4 sheet.

SOCIAL SCIENCE

1. USE OF CONVENTIONAL AND NON-CONVENTIONAL SOURCES OF ENERGY

Make **3d charts/posters** on the following topics on **A3 size sheet** (check the allocation of topic as per your roll number) Refer to Ch 4 Mineral and Energy Resources page no 37-41.

- _____ Roll no 1-10: Use of coal
- Roll no 11-20: Use of Solar energy
- Roll no 21-30: Use of Bio Gas
- _____ Roll no 31-40: Use of Hydroelectricity
- Roll no 41-last roll no: Use of petroleum

This activity is an inter-disciplinary activity and would be evaluated jointly by Social Science, Science and Art teachers.

2. Write down the contribution of the following **social reformers** in your social science activity/project file (check the allocation of topic as per your roll number) Refer to Ch 12 Impact of British Rule on India page no 138-142

- Roll no 1-10: Shri NARAYAN GURU
- Roll no 11-20: JYOTIBA PHULE
- Roll no 21-30: SWAMI DAYANAND SARASWATI
- Roll no 31-40: Dr. BHIM RAO AMBEDKAR
- Roll no 41- last roll no: MAHATMA GANDHI

3. Complete all the assignment of the chapters done till date.

4. Revise the notes/questions and answers of all the chapters done till date.

EK BHARAT SHRESTHA BHARAT PROGRAMME

(A trans-disciplinary approach towards acquainting the students with their nation and its states)

TITLE: A comparative study of DELHI and SIKKIM based on various parameters using a trans-disciplinary approach and Art Integration

Objective: As per the CBSE directive, this project takes up the idea of learning in tandem with all the disciplines in order to attain a holistic approach. Art-Integration is a cross-curricular pedagogical approach that utilizes various aspects and forms of art and culture as the basis for experiencing the learning of concepts across subjects. The project will explore the state of Sikkim using parameters like culture, infrastructure, education, environment and so on and so forth viz-a-viz the national capital Delhi. The project will be a fine example for the students in research and experiential learning as their extensive involvement will allow them to gain a deeper perspective not only of the states but also the topics studied in class like statistics, climate conditions, food, population, natural resources and its uses etc.

Format: PowerPoint presentation or project report.

Evaluation: The project will be used for Internal Assessment.

Deadline: to be submitted between July 1, 2020 to July 15, 2020.

ROLL NO.	THEME
1-5	Climate and its significance on bio-diversity.
6-10	Agriculture and Crop Production: types of crops, staple crop, types of farming etc.
11-15	Social Infrastructure: availability of drinking water (sources of water) and sanitation
16-20	Education: condition of school level education, university level, literacy rate etc.
21-25	Tourism and Hospitality
26-30	Infrastructure: Railways, Roadways and Airways
31-35	Health- Hospitals, Mortality rate, death rate, life expectancy, sex-ratio etc.
36-40	Population and Demographic dividend: size of population, gender equality, literacy rate etc.
41-45	Culture: Food, festivals, paintings and dresses, myths & folklore, literature and music & dance forms
46-50	Political Scenario: CM of the state, ruling and opposition party, the manifesto of the ruling party etc.
51-55	Electricity: production (source of energy) and distribution

INSTRUCTIONS FOR THE STUDENTS:

1. The project will be carried out in a group of 5 students. (In case the total number of students is less than 55, the class teacher will inform about the division of work)
2. The groups have been divided based on the roll nos. and will not be changed.
3. The project will be evaluated based on the collective as well as the individual contribution.
4. Each group will select a team leader on their own. The selected leader will make the cover page to mention the title as well as the theme of the project, names of all the team members and class-section. Be polite in your dealings with each other.
5. Submitting on the given deadline is important. The submissions post the deadline will not be considered for evaluation considering that a window of 15 days has been provided for the same.
6. The students have the liberty of selecting the medium of the project i.e. it can be a PowerPoint presentation or a file made using sheets.
7. Various data to be used in the themes can be presented using pie-charts, graphs etc.
8. The students should co-operate with the team mates and there should be a fair division of work.

STAY SAFE. STAY HEALTHY. KEEP LEARNING.

