

# Dear parents

We wish you a very happy and fruitful time with your children. Summer vacation is the most awaited time for the students as they want to play, enjoy and relish with their friends, neighbours and relatives. This is a time for them to stay away from the mundane schedule of daily life. They want to enjoy it in leaps and bounds. But we request you to keep their energy channelised. You should be a part of their enjoyment but time and again a check is required. Now it's your responsibility to make them stay connected with their studies a long with fun and frolic & encourage them to do their homework in tidy manner.

# Here are some of the suggested activities that you can do as a family:

- 1. Prepare a well-being plan for self.
- 2. Stick to routines or starting new ones.
- 3. Get up and go to sleep at regular times.
- 4. Help them explore new hobbies and interest.
- 5. Do karaoke, read, solve puzzles, play board games etc.
- 6. Keep a gratitude journal. Writing down three things you are grateful for every day.
- Congratulate yourself and other son having a "MEGA DAY".
- 7. Take out time for Reading, Music, Dance, Singing, and Laughing.
- 8. SetChallenges-Encourageeachothertotakeupnewactivitiesandcompletethem.
- 9. Be Creative with Space-Find a corner in the house and allow yourself and your children to decorate it.
- 10. Involve your children in household activities also.
- $\label{eq:linear} 11 Learn for eignlanguages through on line courses available.$
- 12. Take them for outing to place of their interest &let them explore the world.
- 13. Communicate with your children and let them know you fully.

As parents you are requested to keep a watchful eye on your children and stop them from engaging in:

1. Excessive use of mobile phones.





- 2. Playing online games
- 3. Spending a lot of time alone away from family members.

We're doing our homework to make sure we're prepared. -Gary Gait

**Thomas A. Edison says** "Genius is one percent inspiration and ninety-nine percent perspiration. As a result, a genius is often a talented person who has simply done all of his homework."

# General Instructions:

- 1. Do your Homework in a separate 3 in 1 notebook(classes1and2)&coveritproperly.
- 2. Do your Homework in separate 10 rs/- notebooks subject wise (classes 3 to 12) & cover it properly.
- 3. Mention your details on your holiday's homework.
- 4. Start your homework from very beginning of holidays to avoid stress and ensure high quality work as it has been assigned.
- 5. Dedicate a specific time each day on your homework.
- 6. Choose a dedicated area that is free from distraction to focus on your work.
- 7. Present your homework in a neat and logical manner.
- 8. Use clear handwriting, proper formatting and consistent spacing.

# Note:

- > The best holidayhomework of each class will be awarded.
- > It is a part of internal assessment for the final examination.

# WARM REGARDS PRINCIPAL

### English

1. Make a poster portraying your thoughts and point of view on: "Love for freedom is the natural instinct of every living being."

2. Read the chapters done till now of First Flight and learn all the question and answers.

3. Read chapter 5 and 6 of first flight and learn all the question and answers.

4. Write the summary of all the chapters done till now in the test registers.

5. Describe the following proverbs in your own words in not more than 50 words-No gains without pains All's well that ends well

6. Complete the following passage by choosing the most appropriate option from the ones given below.

Like many Indian children, I grew up ......(a) the vast, varied and fascinating tales of Mahabharata Set .....(b) the end of what the Hindu scriptures term Dvapur Yuga or the third age of the man a time ......(c) the lives of the gods and the people still intersected, the epic weaves myth, history, religion, science and statecraft ......(d) stories.

(a) (1) saying (ii) listening to (iii) questioning (iv) celebrating

- (b) (i) by (ii) at (iii) from (iv) into
- (c) (i) where (ii) from (iii) when (iv) before
- (d) (i) as (ii) in (iii) through (iv) into

7. Describe the views of Mandela for the black people who fought and sacrificed their lives for the country's political independence.

8. Compare and contrast Tricki in the beginning and in the end of the story.

9. Education means different things to different people. Evaluate how it impacted the young thief. Hari Singh in the story.

### HINDI

प्रश्न:-1 'बड़े भाई साहब' पाठ के आधार पर आधुनिक शिक्षा प्रणाली का स्वरूप कैसा होना चाहिए?

प्रश्न:- 226 जनवरी 1931 के दिन कलकत्ता के स्वतंत्रता आंदोलन में स्तियों की भूमिका स्पष्ट कीजिए।

प्रश्न:- 3– 'डायरी का एक पन्ना' पाठ में क्या महत्वपूर्ण संदेश दिया गया है?

प्रश्न:-4 कस्तूरी के विषय में जानकारी प्राप्त कीजिए और लिखिए।

प्रश्न:- 5 हरिहर काका पाठ में जीवन मूल्य आधारित घटनाओं का प्रवाह संचित्रतैयार कीजिए।

प्रश्न:- 6 कबीर की साखियों द्वारा कौन-कौन सी नीतिपरख बातें सीखने कोमिलतीहैं अपने शब्दों मेंबताइए।

प्रश्न:- 7 'लोकतांत्रिकचुनाव' एवं 'आतंकवाद'विषय पर अनुच्छेद लिखिए।

प्रश्न:- 8 दैनिक जागरण समाचार पत्र के संपादक के नाम मिलावटी दूध कीबिक्री के संबंध में लगभग80-100 शब्दों में पत्र लिखिए। प्रश्न:- 9 बाढ़-पीड़ितों की मदद हेतु एक निजी संस्थाकी ओर से 25-30शब्दोंमेंविज्ञापन तैयार कीजिए ।

प्रश्न:- 10 आपके विद्यालय में वन-महोत्सवकेअवसर पर वृक्षारोपण कार्यक्रम का आयोजन कियाजाना है इस संबंध में30-40 शब्दों में सूचनालिखिए।

# परियोजना कार्य

- किन्हीं दो भक्ति कालीन कवियों के जीवन पर आधारित परियोजना तैयार कीजिए। ( सेक्शन ए के लिए)
- स्वतंत्रता आंदोलन में किन्हीं दो महिलाओं के योगदान पर आधारित परियोजना तैयार कीजिए। (सेक्शनसी के लिए)
- पदबंधपरिभाषा, भेद एवं प्रयोग अथवा मुहावरों का चित्र माध्यम से वाक्य प्रयोग आधारित परियोजना तैयार कीजिएँ। ( सेक्शनबी के लिए)

## **MATHEMATICS**

# CHAPTER 1

(REAL NUMBERS)

1. Prove that  $\frac{2-\sqrt{3}}{5}$  is an irrational number, given  $\sqrt{3}$  is an irrational number.

2. Three bells rung at intervals of 6, 12 and 18 minutes . If all the three bells rang at 6 AM, when will they ring together again.

3. Find by prime factorisation the LCM of the numbers 18180 and 7575. Also , find HCF of the two numbers.

4. Find the greatest number which divides 85 and 72 leaving remainders 1 and 2 respectively.

## CHAPTER 2

#### (POLYNOMIALS)

1. If the product of zeroes of the polynomial  $ax^2 - 6x - 6$  is 4, find the value of a.

2. If one zero of the polynomial  $6x^2 + 37x - (k-2)$  is reciprocal of the other then find value of

3. Find zeroes of polynomial  $x^{2+} \frac{1}{\epsilon}x$  -2 and verify the relation between zeroes of polynomial and coefficients .

4. Find a quadratic polynomial sum and product of whose zeroes are  $\sqrt{2}$  and  $\frac{-3}{2}$  respectively. Also , find its zeroes.

CHAPTER 3

(PAIR OF LINEAR EQUATION IN TWO VARIABLES)

1. I am three time as old as my son. Five years later, I shall be two and a half times as old as my son. How old am I and how old is my son?

2. Solve the system of equations by using elimination method

 $\frac{x}{10} + \frac{y}{5} + 1 = 15$ ,  $\frac{x}{8} + \frac{y}{6} = 15$ 3. For what value of k ,the following system of linear equations have infinitely many solutions? 2x + 3y = 4

(k+2)x+6y=3k+2

4. A fraction is such that if the numerator is multiplied by 3 and is the denominator is reduced by 3, we get 18/11, but if the numerator is increased by 8 and denominator is doubled, we get 2/5. Find the fraction.

5. The ratio of incomes of two persons is 9:7 and the ratio of their expenditure is 4:3. If each of them saves rs.200 per month, find their monthly incomes.

#### **CHAPTER 4**

(QUADRATIC EQUATIONS)

- 1. Factorise  $4\sqrt{3x^2} + 5x 2\sqrt{3}$
- 2. Solve for  $x : \frac{x-1}{x+2} + \frac{x-3}{x-4} = \frac{10}{3}$
- 3. Find the value of k for which the equation has equal roots  $2kx^2 - 40x + 25 = 0$
- 4. The sum of two numbers is 15. if the sum of their reciprocals is  $\frac{3}{10}$ , find the number.

5. The speed of the boat in still water is 15km/hr. It can go 30km upstream and return downstream to the original point in 4 hours 30 minutes .Find the speed of the train.

#### Activity:

#### • Draw a concept mind map on the topic Linear equation in two variables on A4 sheet. • Prepare a project on Trignometry.

#### SCIENCE SUBJECT – PHYSICS

Q1. A concave mirror produces a real image of size 3 times that of the objectat a distance of 30 cm from pole of the mirror. Find the position of the object.

Q2. Light enters from air into diamond which has a refractive index of 2-42. Calculate the speed of light in diamond. The speed of light in air is  $3.0 \ge 10^8 \text{m/s}$ .

Q3. A 20 cm tall object is placed perpendicular to the principal axis of aconvex lens of focal length 20 cm. The distance of the object from the lens is15 cm. Find the position, nature and size of the image forms.

Q4. An object of height 5 cm is placed perpendicular to the principal axis of a concave lens of focal length 10 cm. If the distance of the object from the optical centre of the lens is 20 cm,

determine the position, nature and size of the image formed using the lens formed. Q5. The image obtained with a convex lens is erect and its length is 4 times the length of the object. If the fuck length of the lens is 20 cm, calculate the object and image distances.

Q6. Prepare a mobile science kit using items from your surroundings.

Q7. Prepare a concept map on "Light- Reflection and Refraction"

(use a chart to prepare the same)

#### CHEMISTRY

- 1. Complete lab manual as per prescribed syllabus.
- 2. Make chart on following topics as instructed:
- a) Types of chemical reactions
- b) Indicators and types of indicators.

3. Solve NCERT EXEMPLAR QUESTIONS in separate thin notebook:

4.Read about any two NOBEL LAUREATES IN CHEMISTRY and write report on their life and works on A4 size sheets.

Assignment:

https://edurev.in/t/168985/Class-10-Science-Chapter-1-Previous-Year-Questions-Chemical-Reactions-and-Equations.

https://edurev.in/t/168984/Class-10-Science-Previous-Year-Questions-Acids-Basesand-Salts

solve previous year questions from given links above in separate thin notebook.

**BIOLOGY** 

1. Describe double circulation in human beings. Why is it necessary?

2. Explain Light & Dark Reaction on the basis of:

Site of occurrence in chloroplast

What happens during this reaction?

3. What will happen if mucus is not secreted by the gastric glands?

4. Describe the structure and function of a nephron. Draw diagram also.

5. State the role played by the following in the process of digestion:

Enzyme trypsin

Enzyme lipase

PRACTICALS (Ony done in Practical file)

1. Preparing a temporary mount of a leaf peel to show stomata.

2. Experimentally show that carbon dioxide is given out during respiration.

3. Studying (a) binary fission in Amoeba, and (b) budding in yeast and Hydra with the help of

prepared slides.

4. Identification of the different parts of an embryo of a dicot seed (Pea, gram or red kidney bean).

## SOCIAL SCIENCE

- 1. Complete the question answers of all the chapters, which I taught.
- 2. Interdisciplinary project on any one topic, which I given below: -

The making of a Global World

OR

Lifelines of National Economy

# 3. Project on Sustainable development

- (a) Meaning of sustainable Development
- (b) Issue of sustainable development
- (c) Importance of sustainable development
- (d) Meetings/summit/report related to sustainable development
- (e) Current status of development

# 4. Map work: -

Practices all the maps of History & Geography and make a file for future reference. **Note** (Maps are already send in your class group for your help)

# **INFORMATION TECHNOLOGY**

Learn and Write / Complete all that has been taught till now. UNIT – I Communication Skills ( PART A – Employability Skills) Find out any 150 one word question answers/ MCQ from these chapters and write in your Fair notebook.

UNIT – 1 Digital Documentation (Advanced)using Libre office Writer Chapter 1. Introduction to styles Chapter 2. Working with Images Chapter 3. Advanced Feature of Writer Find out any 150 one word question answers/ MCQ from these chapters and write in your Fair notebook. Activity : Check the name of the Antivirus software installed in your computer/Laptop.Scan the drive to Check for Virus. Write a note on your IT Fair notebook.

Project Work from DIGITAL DOCUMENTATION (ADVANCED) Apply styles in the document, Components of Open Office Writer, Edit the document (Checking Spelling and Grammar, Changing Text case, Paragraph Alignment) Using a Template to create a document. Styles Categories, Fill Format Inserting Images . Table of Contents. (Note: It must be for every student to prepare a Project file / Student Portfolio)