



Holiday Homework: Class-IX

Important Instructions:

- The holiday homework will be assessed as internal assessment.
- All the home assignments provided through WhatsApp must be completed.

ENGLISH

1. Watch any movie like Mary Kom, Three Idiots, Stanley ka Dabba, Taare Zameen Par, Udaan, Makdee, Hichki, I am Kalam, etc. that help inspire young minds. The movie must be age appropriate and parents' acknowledgement is compulsory before you watch. After you complete watching, write a movie review of any two movies you have watched. You may give your movie review the form of a book/album or a photo stand. You may draw/paste suitable picture to make your review look amazing.

2. Prepare a Comic Strip on Any social theme from the contemporary issues. Give it a suitable and catchy heading to make it look impressive. It shall be explained by you in the class as a part of **multiple assessments/Portfolio** when the school reopens.

3. Make a small notebook/a diary your personal diary. Cover it and decorate it as well as you do to the most favourite thing of yours. Give your diary a cute/funny name as you name your friend/pets. Write a page of the everyday events of your daily life in the diary. Draw/paste pictures to make the entry memorable. Follow the format.

4. Learn the given topics from the links provided and practice them in your English notebook:

a. Determiners: <https://www.learncbse.in/cbse-class-10-english-grammar-determiners/>

<https://youtu.be/paZmDFwYB58>

b. Tense: <https://www.learncbse.in/cbse-class-10-english-grammar-tenses/>

<https://youtu.be/cYAaGmICm3U>

<https://youtu.be/pXZtRXpGNck>

c. Clauses: <https://www.learncbse.in/cbse-class-10-english-grammar-clauses/>

https://youtu.be/_jTydlA2Nno

d. Modals: <https://www.learncbse.in/cbse-class-10-english-grammar-modals/>

<https://youtu.be/tkgaFERmSCM>

<https://youtu.be/1o9twUvY7Qo>

e. Voice: <https://www.learncbse.in/cbse-class-10-english-grammar-active-passive-voice/>

https://youtu.be/My7XX_IzH4U

<https://youtu.be/VT5kM7Ugpgw>

f. Reported Speech: <https://www.learncbse.in/cbse-class-10-english-grammar-direct-indirect-speech/>

<https://youtu.be/RMlexWdwTuM>

<https://youtu.be/yML5gg26MUA?list=RDCMUCayJSRMRgQEQo71zBySi-RQ>

g. Preposition: <https://www.learnbse.in/cbse-class-10-english-grammar-prepositions/>
<https://www.cbsetuts.com/cbse-class-6-english-grammar-correct-uses-prepositions/>
<https://youtu.be/acTcYV9fLCs>

h. Subject – Verb Concord (Agreement): <https://www.learnbse.in/cbse-class-10-english-grammar-subject-verb-concord/>

<https://www.toppr.com/guides/english/verb/subject-verb-concord/>

<https://youtu.be/Hi4F7USqWAY>, https://youtu.be/5_1BRq9iil0

5. Write a descriptive paragraph on the given topics in 120-150 words each:

a. Online Education: The Need of the Hour

b. Technology: Boon or Bane

c. The Nation of my Dreams

Note: It's a part of internal assessment. So, it has to be done diligently and must be produced when asked for submission.

हिन्दी

१) प्रेमचंद, मैथलीशरण गुप्त, सूर्यकांत त्रिपाठी, जयशंकर प्रसाद का जीवन परिचय निम्न बिन्दुओं पर लिखिए (जन्म/मृत्यु, रचनाएं, शिक्षा, साहित्यिक योगदान) कार्ड के रूप में बनाना है। [पहले पेज में साहित्यकार का नाम, चित्र तथा अन्दर उपर्युक्त बिन्दुओं को लिखना है]

२) 'कोविड-19' महामारी तथा 'बेटी बचाओ बेटी पढाओ' पर दो-दो नारा कलात्मक ढंग से लिखिए ।

३) शुभकामना सन्देश ३० से ४० शब्दों में कार्ड के रूप में लिखना है।

४) दैनिक (Daily Diary) लिखिए जिसमें आपको अपनी प्रतिदिन की दिनचर्या दिनांक सहित चार से पाँच पंक्तियों में लिखना है (डायरी को सुंदर ढंग से बुकजैकेट के साथ प्रस्तुत कीजिए)

५) स्पर्श और संचयन के सभी पाठ का पाठन करना है।

६) 'स्पर्श' से रहीम के दोहे तथा रैदास के पद याद कीजिए ।

MATHS

ACTIVITY/PROJECTWORK

(ACTIVITY TO BE DONE IN THE LAB MANUAL OR PREPARE A SEPARATE ACTIVITY NOTE BOOK)

ACTIVITY: To construct a square root spiral.

PROJECT: Prepare a Power point Presentation of 15 questions from chapter-1 Number system. All questions must be of MCQ type with 4 options. Answers to be displayed in the last slide

WORK SHEET (NUMBER SYSTEM)

ASSIGNMENT (TO BE DONE IN MATHS NOTE BOOK)

Q1. Find six rational numbers between 3 and 4.

Q2. Find five rational numbers between $\frac{3}{5}$ and $\frac{4}{5}$.

Q3. Locate $\sqrt{2}$ on the number line.

Q4. Locate $\sqrt{3}$ on the number line.

Q5. Write the following in decimal form and say what kind of decimal expansion each has: (i) $\frac{36}{100}$ (ii) $\frac{1}{11}$ (iii) $\frac{329}{400}$

Q6. Express the following in the form $\frac{p}{q}$, where p and q are integers and $q \neq 0$.

(i) 0.66666..... (ii) 0.47777777.....

Q7. What can the maximum number of digits be in the repeating block of digits in the decimal expansion of $\frac{1}{17}$? Perform the division to check your answer.

Q8. Find three different irrational numbers between the rational numbers $\frac{5}{7}$ and $\frac{9}{11}$.

Q9. Simplify each of the following expressions:

(i) $(3 + \sqrt{3})(2 + \sqrt{2})$ (ii) $(3 + \sqrt{3})(3 - \sqrt{3})$

(iii) $(\sqrt{5} + \sqrt{2})^2$ (iv) $(\sqrt{5} - \sqrt{2})(\sqrt{5} + \sqrt{2})$

Q10. Simplify:

(i) $2^{\frac{2}{3}} \cdot 2^{\frac{1}{5}}$ (ii) $\left(\frac{1}{3^3}\right)^7$ (iii) $\frac{11^{\frac{1}{2}}}{11^{\frac{1}{4}}}$ (iv) $7^{\frac{1}{2}} \cdot 8^{\frac{1}{2}}$

FORMULA DIARY:

Purchase a pocket diary and write all the various formulas from all the chapters of the N.C.E.R.T. Textbook in this diary and memorize all these formulas. As soon as the school resumes there will be a formula test and the marks you obtain in this test will be taken into account while doing the internal assessment. Your performance in this test will significantly affect your final results.

HYPER LINKS FOR ONLINE RESOURCES:

<https://www.vedantu.com/cbse/important-questions-class-9-maths-chapter-1>

SCIENCE

By using O Lab you will watch all practicals and maintain record. If you have any problems you can discuss with us

List of Experiments

Experiment 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 distinction between these on the basis of

transparency

filtration criterion

stability

Experiment 2. Preparation of

- a) a mixture
- b) a compound

using iron filings and sulphur powder and distinction 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

Experiment 3. Separation of the components of a mixture of sand, common salt and ammonium chloride (or camphor).

Experiment 4. Performing the following reactions and classifying 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.

Experiment 5. Preparation of stained temporary mounts of (a) onion peel, (b) human cheek cells & to record observations and draw their labeled diagrams.

Experiment 6. Identification of Parenchyma, Collenchyma and Sclerenchyma tissues in plants, striped, smooth and cardiac muscle fibers and nerve cells in animals from prepared slides. Drawing of their labeled diagrams.

Experiment 7. Determination of the melting point of ice and the boiling point of water.

Experiment 8. Verification of the Laws of reflection of sound.

Experiment 9. Determination of the density of solid (denser than water) by using a spring balance and a measuring cylinder.

Experiment 10. Establishing the relation between the loss in weight of a solid when fully immersed in

a) tap water

b) strongly salty water, with the weight of water displaced by it by taking at least two different solids.

Experiment 11. Determination of the speed of a pulse propagated through a stretched string / slinky.

Experiment 12. Study of the characteristics of Spirogyra / Agaricus, Moss / Fern, Pinus (either with male or female cone) and an Angiospermic plant. Drawing and providing two identifying features of the groups they belong to.

Experiment 13. Observing the given pictures / charts / models of earthworm, cockroach, bony fish and bird. For each organism, drawing of their picture and recording :

a) one specific feature of its phylum.

b) one adaptive feature with reference to its habitat.

Experiment 14. Verification of the law of conservation of mass in a chemical reaction.

Experiment 15. Study of the external features of root, stem, leaf and flower of monocot and dicot plants

SOCIAL SCIENCE

1. Prepare all the maps from the following map list prescribed by CBSE for session 2021-22:

HISTORY:

Chapter-1: The French Revolution Outline Political Map of France

- Bordeaux • Nantes • Paris • Marseilles

Chapter-2: Socialism in Europe and the Russian Revolution Outline Political Map of World

- Major countries of First World War (Central Powers and Allied Powers)

Central Powers - Germany, Austria-Hungary, Turkey (Ottoman Empire)

Allied Powers - France, England, Russia, U.S.A.

Chapter-3: Nazism and Rise of Hitler Outline Political Map of World

- Major countries of Second World War Axis Powers – Germany, Italy, Japan Allied Powers – UK, France, Former USSR, USA

- Territories under German expansion (Nazi Power) Austria, Poland, Czechoslovakia (only Slovakia shown in the map), Denmark, Lithuania, France, Belgium

GEOGRAPHY (Outline Political Map of India)

Chapter -1: India-Size and Location

- India-States with Capitals, Tropic of Cancer, Standard Meridian

Chapter -2: Physical Features of India

- Mountain Ranges: The Karakoram, The Zaskar, The Shivalik, The Aravali, The Vindhya, The Satpura, Western & Eastern Ghats
- Mountain Peaks – K2, KanchanJunga, AnaiMudi
- Plateau - Deccan Plateau, Chotta Nagpur Plateau, Malwa Plateau
- Coastal Plains - Konkan, Malabar, Coromandal & Northern Circar (Location and Labelling)

Chapter -3: Drainage

- Rivers: The Himalayan River Systems-The Indus, The Ganges and The Satluj
The Peninsular rivers-The Narmada, The Tapi, The Kaveri, The Krishna, The Godavari, The Mahanadi
- Lakes: Wular, Pulicat, Sambhar, Chilika

Chapter - 4: Climate

- Areas receiving rainfall less than 20 cm and over 400 cm

Chapter - 5: Natural Vegetation and Wild Life

- Vegetation Type: Tropical Evergreen Forest, Tropical Deciduous Forest, Thorn Forest, Montane Forests and Mangrove
- National Parks: Corbett, Kaziranga, Ranthambor, Shivpuri, Kanha, Simlipal & Manas
- Bird Sanctuaries: Bharatpur and Ranganthitto
- Wild Life Sanctuaries: Sariska, Mudumalai, Rajaji, Dachigam

Chapter - 6: Population

- The state having highest and lowest density of population
 - The state having highest and lowest sex ratio
 - Largest and smallest state according to area
2. **Prepare a project on any one of the following disasters:**
 - (i) Earthquake
 - (ii) Volcanic eruption
 - (iii) Drought
 - (iv) Flood
 - (v) Landslide
 - (vi) Any human induced disaster like road accident, fire, bombing etc.
 3. Download e-book from the link provided, read the following chapters and frame 8 to 10 questions within the text on your own along with the answers:
Link: <http://ncert.nic.in/textbook/textbook.htm?iess2=1-4>
 - (i) History- Chapter 1
 - (ii) Economics- Chapter-1
 - (iii) Democratic Politics- Chapter 1

ART & CRAFT

ART-

- 1) Draw any two pencil sketch of your choice and give light & shadow effect on them. Draw two examples of each :-
 - a) One vanishing point perspective.
 - b) Two vanishing point perspective.
 - c) Three vanishing point perspective.
- 2) Make any nature scene or land scape. (medium – poster colour ,water colour, or collage work.

CRAFT-

Make any two craft by using waste plastic bottles or milk powder box or any other waste materials.

or

Make any two wall hanging craft for home decor. Example- Newspaper jar, broom from plastic bottle, wall hanging paper flower holder etc.

Note- For craft making ideas please find in YouTube.

MUSIC

1) Learn these Notations/Alankar daily 3 to 5 times

- Sa, Re, Ga, Ma, Pa, Dha, Ni, Sa
Sa, Ni, Dha, Pa, Ma, Ga, Re, Sa
- SaReGa, ReGaMa, GaMaPa, MaPaDha, PaDhaNi, DhaNiSa
SaNiDha, NiDhaPa, DhaPaMa, PaMaGa, MaGaRe, GaReSa
- SaReGaMa, ReGaMaPa, GaMaPaDha, MaPaDhaNi, PaDhaNSa
SaNiDhaPa, NiDhaPaMa, DhaPaMaGa, PaMaGaRe, MaGaReSa
- SaReGaMaPa, ReGaMaPaDha, GaMaPaDhaNi, MaPaDhaNiSa
SaNiDhaPaMa, NiDhaPaMaGa, DhaPaMaGaRe, PaMaGaReSa
- SaReGaMaPaDha, ReGaMaPaDhaNi, GaMaPaDhaNiSa
SaNiDhaPaMaGa, NiDhaPaMaGare, DhaPaMaGaReSa
- Listen this link from You tube & practice again & again
Basic singing lesson 4 from Swar Swami
<https://youtu.be/Vu9aLjMMGBY>

2) Make one PPT about the contribution of Indian musicians in Indian Music.