

The objective of holiday home work is to enable our kids work independently and also to improve their academic skills.

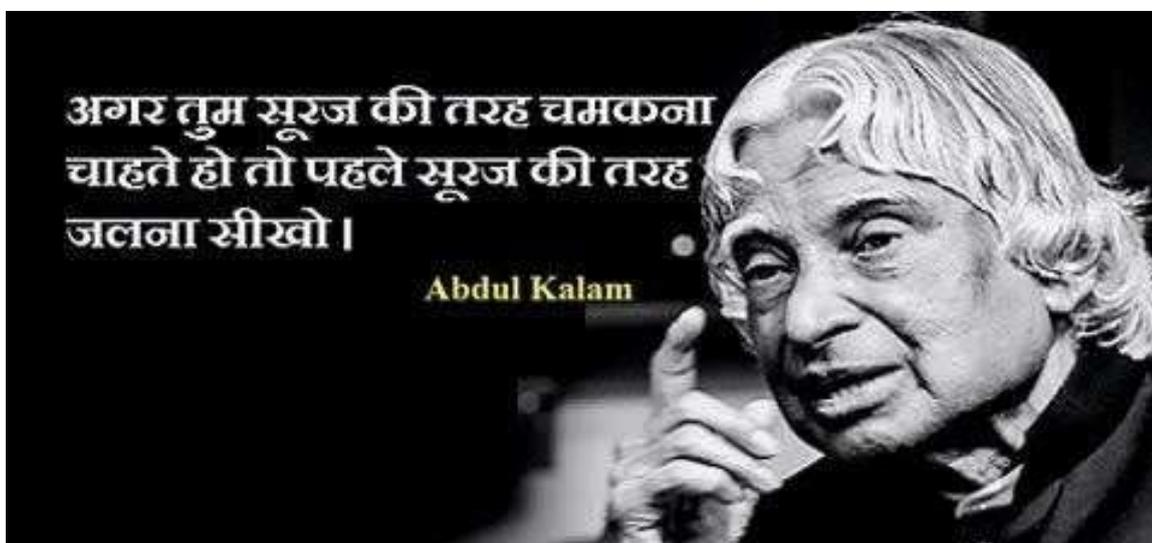
Here are few suggestions for parents:-

- ❖ Make sure that you are spending quality time with your wards. It is very important to keep their anxiety at minimum.
- ❖ Giving them small responsibilities in household chores will aid them to be independent.
- ❖ Teach them the importance of moral values in their life. Motivate them to read good books.
- ❖ Encourage them to do practice of the topic taught.
- ❖ Allow them to complete homework on their own under your guidance.

Please note:

- Follow 3R's rule: Reduce, Recycle and Reuse. So, use resources only which are available at home to complete all Holidays Homework including craft work.
- Prepare a systematic timetable and follow it religiously from the very first day.

Holiday Homework is an interesting way to utilise the time in the most fruitful way. Wish you all a fun filled, safe and healthy holidays ahead!



SUBJECT: ENGLISH CORE

Q1. Read the newspaper daily and cut samples of the following in the fair register of English underlining it with the holiday homework:

- a. 3 Reports
- b. 3 Articles
- c. 3 Posters
- d. 5 Classified advertisements.

Q2. Write a letter to the Editor of a national daily highlighting the neglect of our national monuments and how these are being damaged in the present day world

Q4. Write an article on the topic-‘How Google controls the life of an average person?’ 150-200 words.

Q5. Learn and revise all the syllabus of PERIODIC TEST-2

SUBJECT -PHYSICS

Q:1- Derive expression for electric field due to an electric dipole.

Q:2- Derive expression for electric field Applying Gauss’s Law (all cases)

Q:3-Revise numericals 1.11 to 1.1.15 from page no. 46 of NCERT T.B.

Q:4-Derive expression for potential due to a dipole.

Q:-5-Derive expression for capacitance of a PPC.

Q:6- Revise numericals 2.6 to 2.10 from page no. 87 of NCERT T.B.

Q:7-Practical work: Write and learn following practicals (without observation readings) from NCERT lab manual.

- (i) To determine resistivity of a wire by plotting a graph b/w P.D. and current
- (ii) To find resistance of a given wire using meter bridge.
- (iii) To verify the laws of combination (series) of resistances using a meter bridge.
- (iv) To determine resistance of a galvanometer by half deflection method and to find its figure of merit.

Q:8-Make a working project (model) based on any theoretical concept of syllabus.

SUBJECT – CHEMISTRY

1. Solve the assignment shared through whatsapp group with you.
2. Read the chapter -3 Electrochemistry.
3. Write the practical (Experiment- 1,2,3 and 4)
4. Plan out an investigatory project in rough note book (Ref-NCERT LAB MANUAL) according to following guidelines-
 - Project must have investigation (experiment)

- Cover page, Index, Acknowledgement, Certificate, Introduction, Aim, Requirements, Theory, Procedure, Observations, Result, Precautions and Bibliography.

SUBJECT – MATHEMATICS

1. Revised chapter 1 (Relations and Functions) in your fair copy with Examples and Exercises. (Exercise 1.1 and 1.2)
2. Revised chapter 2 (Inverse Trigonometric Functions) in your fair copy with Examples and Exercises. (Exercise 2.1)
3. Revised chapter 3 (Matrices) in your fair copy with Examples and Exercises. (Exercise 3.1, 3.2, 3.3)
4. Revised chapter 4 (Determinants) in your fair copy with Examples and Exercises. (Exercise 4.1, 4.3, 4.4, 4.5, 4.6)
5. Do Activity in Lab manual pages:
 - (i) Draw the graph of inverse trigonometric functions.
 - (ii) To demonstrate a function which is one-one but not onto.
 - (iii) To demonstrate a function which is not one-one but is onto.

SUBJECT-PHYSICAL EDUCATION

Practical file

Topic - 1 One major game History, ground dimension, Rules and Regulation, Fundamental Skills, Technics, Tactics, 5 Tournaments Name, 5 Personalities Name

SUBJECT-PAINTING

Note .. practical Sheets size A2

a . Learn and revise the given notes :

- i . Rajasthani School of Art Pahari School of Art
- ii . Mughal School of Art

b . Practice sketching and shading in object drawing and landscape in the practice file .

c . Complete sheets of the portfolio file on the given topics as per the syllabus .

1. Painting of a village scene or
2. Market scene
3. Daily routine activity/work
4. Sport scene
5. Any Indian festival
6. Object study still life
7. Bird painting
8. Flower painting
9. Indian folk art painting
10. Land scape(imagination)

SUBJECT-INFORMATICS PRACTICES

1. Write code to print all the information about a Series object.
2. Write a program to create three different Series objects.
3. Write a program to create three different Series object from ndarray.
4. Write a program to create a dataframe from a 2D list. Specify own index labels.
5. Write a program to display number of rows and number of columns in data frame.

Read all programming points of Pandas data structure.