



COLUMBIA FOUNDATION SCHOOL

D – Block, Vikas Puri, New Delhi - 110018

Holidays' Homework

Class-VII

[Session 2019-20]

Summer vacations are round the corner. Holidays are meant for ringing in happy times. It is an opportunity to relax and rejuvenate by indulging in activities that are creative and educative too!

The projects and holidays' homework of various subjects have been designed to stretch the imagination of students vividly while exciting them to explore, discover, reinvent.

So, dear children, here's your chance to showcase your effort by working independently.

Instructions:

1. Do your work on beautifully self – designed A3 size sheets and compile them in a well decorated file. Make your file theme based by designing the sheets by thread pulling, antique look, floral look, spray painting etc. You can use waste paper, greeting cards, calendars, newspapers, used charts etc...
2. Originality and creativity of the work will be highly appreciated.
3. The entire homework will be assessed and graded on the basis of creativity, neatness, imagination, correct vocabulary and presentation.
4. Make a list of waste materials used by you in preparing your project file and model.

English:

- 1) Read any one of the following books:-
 - The English Teacher by R.K. Narayan
 - The Kingdom of Fantasy [Geronimo Stilton]
 - The Secret of Cacklefur Castle[Geronimo Stilton]
 - (a) Give a description of your favourite character in 100-150 words along with related pictures.
 - (b) Write the summary of the book read by you in about 100 words.
- 2) Make a comic strip on depletion of natural resources.
- 3) Read any one of the following magazines and paste the cuttings of the articles that you liked the most:
 - (a) Twinkle
 - (b) Children's world
 - (c) Champak
 - (d) Chanda Mama
 - (e) Nandan
 - (f) Intelly-jelly

4) Write the biography and contribution of 'Alexandre Edmond Becquerel' who brought the concept of solar energy in India in approximately 250-300 words.

Maths:

1) Complete ch-1 and 3 from "Drill Mathematics."(With the help of pencil).

2) Draw a 3D-chart on:

(a) Target to reach ambitious 2022 Solar goal (Roll no. 1-19)

Year	2017	2018	2019	2020	2021	2022
Gig watt	17	32	48	65	83	100

(b) Electricity Generation mix in 2018. (Roll no.20-39)

Resource	oil	coal	Hydro and bio mass	Solar and wind	Nuclear	Gas
% age	03	38	19	7	10	23

3) Test your IQ level:

(a) All the girls of Mary's class are standing in a row.

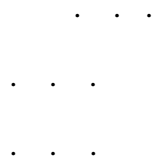
Mary is the 11th girl from both ends. How many girls are studying in Mary's class?

(b) Find the odd one out:

First, Second, Third, Forth, Fifth, Sixth, Seventh.

(c) Fill in the sequence: A, C, F, H, K, M, _ ,_.

(d) Connect all the dots with only 4 straight lines without lifting the pencil.



(e) Using four 7s and one 1, make 100. You can use (), +, -, ×, ÷.

(f) How many lines you can subtract the number 5 from the number 40.

Value Education:

Each one teaches one: "To the world you may be one person, but to the illiterate you may be the world". So take up the challenge and teach at least one person aged 5 to 60 years old. Share your experience in 100-150 words and paste related picture

S.S.T

1) it's time to become a 'National Hero' by answering the following questions:-

a) How harnessing solar energy reduces dependence on foreign fuel and instills a feeling of patriotism?

- b) Natural resources are depleting at a great pace. Suggest some measures to conserve them.
- 2) Revise the work done in the class and read chapter-2 of History and Civics.
- 3) Make a beautiful and colourful 3D-chart on:
- Roll no. 1 to 13 - Energy Historical Timeline.
 - Roll no. 14 to 26 - History of Solar Energy
 - Roll no. 27 to 39 – Map of India showing top 10 Solar States with the % of installations.
- 4) In order to make this vacation memorable, spend these holidays by not using plastic cutlery, mineral water bottle and junk food even during trips or outings. Prepare the list of items that are harmful for our health. Enter them in a tabular form by highlighting their negative effects and suggesting healthy alternatives .For example:

S.No.	ITEM	NEGATIVE EFFECTS	ALTERNATIVES
1.	Chips	Contain chemicals	Fruits
2.	Mineral water bottle	Plastic is cancerous	Steel bottle

Science:

- Lets make this world a better place to live. Plant and nurture an oxygen-giving plant in a non-biodegradable container or waste container and bring it to the school after vacation.
- Let's get ready for a Roller-Coaster ride to enter the world of fantasy and fiction. Watch the most happening movie of the season- 'Avengers-End Game. 'Imagine yourself as one of the Superheroes who got a gadget which can be charged by solar energy. One day you came to know that there is a hole in Ozone layer which protects us from Sun's UV rays. Write in about 100-150 words, what will you do to protect our Earth and how will you mend that hole. You can show your creativity by making related drawings.
- Make a beautiful collage of devices used in daily life that can be charged by Solar Energy. Write the usage of every device in 2-3 lines.
- Write the advantages and disadvantages of using solar energy on 3D-chart along with pictures.

Project Work:

Project work integrates the conceptual knowledge and creativity of students. It provides a better learning experience for children through exploration. Make the following projects along with related charts according to your roll no.

- Roll no. 1 to 5 - Solar Power LED Street Lights (Working model).
- Roll no. 6 to 10 - How solar energy works.
- Roll no. 11 to 15 - Solar fan or solar toy car (Working model).
- Roll no. 16 to 20 - Auto irrigation system by solar energy or solar water purification system.
- Roll no. 21 to 25 - Solar cooker (Working model).
- Roll no. 26 to 30 - Solar water Heater.
- Roll no. 31 to 35 - Solar city (include Flex boards, traffic lights, etc.)
- Roll no. 36 to 39 - Solar power charger.

Note: Materials to be used for making project

Use waste products or bio-degradable material like egg tray, table calendar, shoe boxes, wedding cards, buttons, bangles, earrings, used pens, toilet roll, pencil shavings, shampoo bottles, waste cloth, pistachio or ground nut shells, bindis, used sheets, used crayons, CDs etc.

हिन्दी :

- 1) सौर ऊर्जा की उपयोगिता बताते हुए एक स्क्रिप्ट कविता लिखिए।
- 2) " प्राकृतिक ऊर्जा का संरक्षण " विषय पर एक सुन्दर-सा पोस्टर बनाइए और स्लोगन भी लिखें।
- 3) यदि आप एक ऐसे स्थान पर पहुँच जाँए, जहाँ ऊर्जा का कोई भी स्रोत न हो, तो आप किस प्रकार से सौर ऊर्जा का प्रयोग करके अपना समय व्यतीत करेंगे या आप सौर ऊर्जा का प्रयोग करके किन कार्यों को सम्पन्न कर सकेंगे ? शक्ति वर्णन करें।