



SUMMER HOLIDAY HOMEWORK-2019

CLASS IV

"TECHNOLOGY WAY OF LIFE"

*"Education is the passport to the future, for
tomorrow belongs to those who prepare for it
today"*

LET'S BEAT THE HEAT, WHEN SUMMER IS AT ITS
PEAK!!!!

Dear Parent,

*Summer holidays are the time of the year when you get an
opportunity to spend the maximum time with your child.*

*Summer vacation is a welcome break; break from fixed
schedules of the school. Freedom brings more responsibility,
so keeping this in mind; we have planned most of the
activities to keep the children engaged and also help them in
channelizing their energies. Kindly help and guide your child
in completing his work and also exploring his creative self.*



Some points to be kept in mind:

- You need to take a print out of the home-work sheets and paste them in respective notebooks.
- Provide the required assistance to your child to complete the home-work.
- Make sure that your child submits the completed holiday home-work to the class teacher when the school re-opens after the summer vacation.
- Please take care of the neatness of the work.

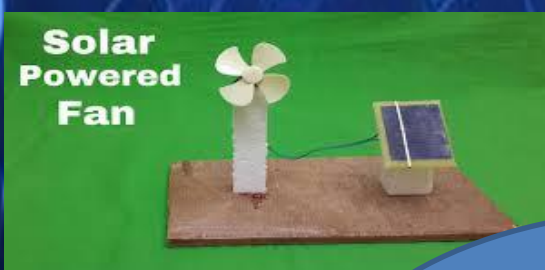
DATE OF SUBMISSION

Science : 2.7.19
Hindi : 3.7.19
Social Science : 4.7.19
English : 5.7.19
Maths : 8.7.19
ICT & AI : 9.7.19



The accelerating use of technology has increased the global demand for electric power. We are using electric power at an alarming rate be it the use of air-conditioners, house-hold appliances or even the electric vehicles. The solution is to expand power generation to meet the growing demands. The energy given out by the sun is called the solar energy. The sun is the main source of energy on earth. It is a renewable source of energy which is more than we need on Earth. Solar energy can be converted into electrical energy by using solar panels.

- Make a **model** to show the usage of **solar energy converted into electrical energy** in one/different ways in our lives.(Working/Non-working)
- The child has to **write about the model** on an A-4 size sheet on the following points- Aim, Material used, Method to make the model, Renewable energy used and advantage of the model in our lives.
- The child is required to give the **presentation** on the model (Time:1-2mins)



SUGGESTED LINKS :-

1. <https://youtu.be/E0lkEL72ztk>
2. <https://youtu.be/mj-DE8gcBSM>
3. <https://youtu.be/39lZqpASlow>

हिन्दी

1. घर में रसोईघर एक ऐसी जगह है जहां घर के हर सदस्य की पसंद का कुछ न कुछ जरूर होता है । क्या आपने कभी सोचा है कि जैसे हर क्षेत्र में बदलाव आये हैं वैसे ही मम्मी की रसोई में क्या बदलाव आया है ? अपनी दादी-नानी , मम्मी से बात करो और रसोई में आये क्रांतिकारी बदलावों का सुन्दर कोलाज बना कर अपने शब्दों में वर्णन कीजिए ।



प्राचीन रसोई घर



आधुनिक रसोई घर

2. जब एक दिन इंटरनेट बंद हो गया इस विषय पर हास्य अनुच्छेद लिखिए



अथवादिए गए चित्र पर अपने विचार व्यक्त कीजिए ।



The **definition of technology** is science or knowledge put into practical use to solve problems or invent useful tools.

Computers and the internet are examples of **technology**.

Activity 1: -

On a Map of India (preferably handmade-half cartridge) mark the rivers with different colour wool. Use glitter to mark the states through which these rivers flow and write 5-7 lines on each river.

Satluj ; Ganga ; Brahmaputra



Activity 2

Visit any one monument and click your pictures (maximum 4). Along with it, write in 150 words about that monument.





Dear Friends,
It's time of the year
again when we can
enjoy the long haul.

But even though
'all work and no
play makes
Jack a dull boy'
in the same
stead all play &
no work also
makes us feel
sluggish.

Before you feel the
monotony of the days hit
you, we decided to hand
you the **magnifying glasses**
& bring the science
detectives out of the young
& **vibrant**

BAL BHARATIZENS

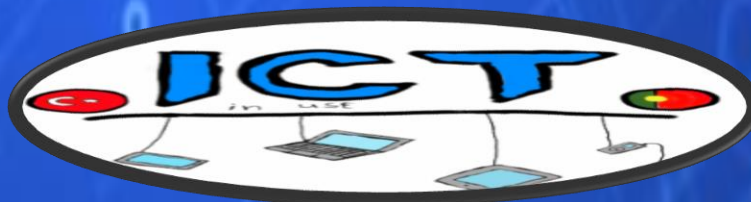
SO LITTLE SHERLOCK HOLMES... let's begin..

1.You are required to make a picture book
showing the technology behind aviation,
history of aviation, present day technology
and future of aviation.

2.A handy aeroplane model using origami
sheets.

<https://www.youtube.com/watch?v=veyZNYurlwU>

Date of Submission: 5.07.19



Q1.Design a technology magazine cover page in MS Word on topic

“Technology –“ A Way of Life ”

The cover page should contain the below listed specifications:

- A suitable title-Name of Magazine**
- Border**
- Size of page - A4.**
- Margins- Narrow**
- Page Colour-Dark Blue**
- Text Colour-White/Yellow**
- Orientation : Portrait**

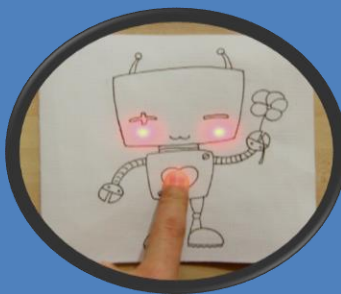
**Mail the soft copy having name, class & section on the below given mail id-
bbpscomputerprimary@gmail.com**

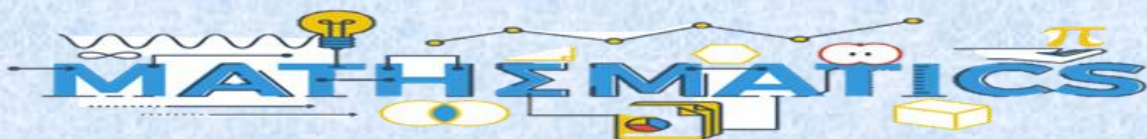
ARTIFICIAL INTELLIGENCE

Use your imagination and prepare a glowing card using paper circuit. You can make a Smart home in which the light glows when someone is at the door!

This is an example of a glowing card in which the Robot blushes on touching its heart. The technique is simple. You need two LED's, copper wire/tape and a coin cell. Join them and see the magic. Refer to www.cirkitree.com for step by step method of creating a paper circuit.

Submit your glowing card to your teacher after the vacations!





Gone are the days when children used to play and sweat in the field, come back home with dirty clothes. In current situation, ask any student whether they know gadgets and they come up with the sentences like, ' this is the latest version', 'this is how we download stuff' and all.

Well this time your teachers thought why don't you study math of gadgets?

What you need to do? Create a booklet or scrap book of gadgets. Use lots of picture to show your work.

1. *Take any three gadgets, say 3 different mobiles. Find their length and width. Write the fraction of their width to length. Compare these fractions.*



OR

2. *We are surrounded by several Logos that are made up of geometrical shapes. For example, below is a logo of Mitsubishi Motors which is made up of 3 rhombus. Similarly, find minimum two logos of any company/brand which are made up of geometrical shapes.*

Create symbol for your dream gadget using mathematical shapes.

RUBIK'S CUBE

To ensure that the young Rubik's cube Champions keep harnessing their talent in solving the puzzle completely in a jiffy, we propose to grade math lab activities on the basis of the criterion of solving complete cube.

You may refer to following videos for help.

- <https://www.quora.com/How-can-I-solve-Rubiks-Cube-in-less-than-a-minute>
- https://www.youtube.com/watch?v=OCSrLEINY_Q
- <https://www.youtube.com/watch?v=WqNoyRoE1KE>

