



AAKAR PUBLIC SCHOOL

Summer Holiday Homework

Class: IX

1st May to 31st May

Hindi –

ग्रीष्मकालीन गृह कार्य

- 1- स्लोगन तैयार करे – (धूम्रपान निषेध, बेटी बचाओ बेटी पढ़ाओ, योग, जल संरक्षण, सड़क सुरक्षा, शिक्षक दिवस, विश्व पर्यावरण दिवस। कोई एक
- 2- फणीश्वर नाथ रेणु द्वारा रचित 'इस जल प्रलय में' नामक कहानी का सारांश अपने शब्दों में लिखिए तथा पाठ से तत्सम और तद्भव शब्द ढूंढ कर एक सूची बनाइए।

Maths – Task: 1

Watch the Movie “RAMANUJAN” on YouTube and write about his contribution in the field of Mathematics. Also mention the name of theories that he has given to the world of mathematics.

Task: 2 Watch the Movie “Shakuntla Devi” the human computer on YouTube and write about her contribution in the field of Mathematics.

Task: 3 Download and watch the movie “The man who knew Infinity”. Write the 10 things that you liked the most. Write two ideas which inspired you to study Mathematics

Task: 4 What is Mean or Arithmetic mean? Write about it. Write the Minimum and Maximum temperature of your area from the newspaper or internet. Find Mean of ‘Maximum’ Temperatures and Minimum temperatures for 15 days

Task: 5 Learn and write table from 2 to 25

a) Learn square of 1 to 30

b) Learn cube of 1 to 20

Task: 6 Project. You, being a Historian by researching the life of any two Mathematicians of the past, present their important contributions in addition to their life story through a PPT

S.St. –

1. Impact of Russian and French Revolution at world. Write a note of 80 words
2. Draw a chart (3-D) of physical feature of India. And explain your Model in assembly.
3. Social issue write some points about the green energy
4. Write down the list of world biggest economic country (top 10) according to GDP (purchasing power parity) and GDP (nominal) and who published these reports.

1st June to 30th June

English –

- 1- Make a collage on an A3 size sheet or in half chart paper. Use powerful visuals / photographs / cut out from newspapers / magazines and sayings/quotes/ slogans made from alphabets.. There should be bare minimum use of poster colours and sketch pens. Ensure that the colour scheme is visually pleasing and eye catching. Use any One of the following socially relevant themes .-1. Save the girl child / Stop female foeticide 2. Save the environment 3. Protect endangered species 4. Educate the girl child 5. Cancer Prevention
- 3- Smartphone is one of the most important means of communication today. But it has also become a nuisance for some way.. Write a paragraph on the same in 120 words and sign yourself as Jaya / Taruna, a student of class IX / X.
- 5- Prepare a drama on one of the following topics with dialogues of each character.
 1. Janmashtami. 2. 15 August. 3. Rakshabandhan.
 2. Show your creativity by doing this.

Science –

Physics:-

- Q1. With reference to the concepts given in NCERT, find out what are the three laws of motion?
- Q2. Give an example showing applicability of the laws of physics in everyday life situations. Right on our physics is involved in sports, dance and sound of various musical instruments. (250-300 words).

Chemistry:-

Activity:-

1. To study diffusion in our day to day life.
2. To study the effects of temperature on the rate of diffusion.
(You have to explore, observe, discover and perform activities related to diffusion, then categorise your observations into following) :-
 - 1) Solid and liquid diffusion.
 - 2) Liquid in liquid diffusion.
 - 3) Gas in liquid diffusion.
 - 4) Solid in gas diffusion.
 - 5) Gas in gas diffusion.
- 3) Also study the effects of temperature on the rate of the fusion while performing activities.
- 4) After observing and performing activities, write down the observations in notebook and paste pictures and performing activities.
- 5) Your work will be assessed on the basis of handwriting, presentation, neatness, indexing, and completion of activity and so on.

“Creativity and innovative ideas are welcomed”

Biology:-

1. Draw diagrams of all cell organelles on a notebook and write the name of scientist who discovered it.
2. Activity:-
Consider a cell like your school. Each part of cell (school) has responsibilities that must be done and certain organelles (people) to do them. Identify the functions of the following parts of the cells. Then identify which person does the same job.
Eg.
S. No 1
Organelle: - Cell Membrane
Function: - Controls what goes in and out of the cell.
Part of school that has similar function:-
Front office.

Principal's Home Work :- One Page (English and Hindi) Cursive Handwriting -Every day