



# AAKAR PUBLIC SCHOOL

## Summer Holiday Homework

Class- X

1<sup>st</sup> May to 31<sup>st</sup> May

### Hindi -

1. स्लोगन तैयार करे – (धूम्रपान निषेध, बेटी बचाओ बेटी पढ़ाओ, योग, जल संरक्षण, सड़क सुरक्षा, शिक्षक दिवस, विश्व पर्यावरण दिवस। **कोई एक**
2. शिवपूजन सहाय द्वारा लिखित 'माता का आंचल' नामक कहानी की समीक्षा अपने शब्दों में कीजिए।
3. छुट्टियां में की गई यात्रा का वर्णन 150 शब्दों में कीजिए।

### 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. On an outline physical map of India Mark and label -measure soil types
2. Collect latest information related to India
  - infant mortality rate(IMR)
  - literacy rate
  - Human Development Index (HDI)
  - net attendance ratio(NAR)
2. Write story of "Jan-Gan-Man" and write about history and meaning of it

1<sup>st</sup> June to 30<sup>th</sup> June

### English -

- 1- The students are directed to read English newspaper and magazines daily and update and update themselves with the current affairs.
- 2- Maintain a personal diary and write two new words every day with meanings.
- 3- Revise all syllabus done in the month of April.
- 4- The students may pay a visit to some of the educational centers like museum, National science center and write the experiences in diary.
- 3-Select three poems from your syllabus and highlight the presence of listed literary devices and cite suitable examples from selected poems in thin notebook. Given below is a list of literary devices that you can look for in your poem.  
Poem, Simile, Metaphor, Personification, Alliteration, Repetition, Oxymoron, Hyperbole, Allusion, Apostrophe, Irony, Paradox, Onomatopoea.
- 4- 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 same in 120 words and sign yourself as Tarun/ Taruna, a student of class IX / X.
- 5- Prepare a drama on one of the following topics with dialogues of each characters.  
As Janmashtami. 15 August. Rakshabandhan. Show your creativity by doing this.

### Science -

### **PHYSICS:-**

- 1- Repair the tabular display of all the cases of image formation by concave and convex mirror along with proper ray diagrams of the same.
- 2- Prepare the tabular display of all cases of image formation by concave and convex wax lens along with neat and clear ray diagram of all the cases.
- 3- With proper ray diagram, derive the relation between focal length and radius of curvature and establish the mirror formula.
- 4- With proper ray diagram. Establish mirror equation for convex and concave lens.
- 5- Make a systematic chart of all important formulas and sign convention for mirrors and lenses.
- 6- Make a list of at least 10 uses of concave and convex mirror in a daily life around us.
- 7- Make a small investigation of any one important aspect of life in your life near or around you and record your observations in copy. Your investigation will be discussed in class.
- 8- Read chapter light, and there are 20 questions which are frequently asked in board examinations.

### **CHEMISTRY:-**

- 1- There are detailed reports on types of chemical reactions. (20 each)
- 2- Using a pH strip categories the naturally occurring substances as acids, bases, and neutral compounds. (Water, coffee and milk, lemon juice, carbonated drinks etc.)

OR

- 3- Prepare a detailed report on natural and man-made acids.
- 4- Read chapter first and second, and prepare 20 questions from the chapter of your own and answer those questions.

### **BIOLOGY:-**

3. Make an investigatory project report on diabetes mellitus emphasising the following points.
  - Diabetes mellitus and its cause.
  - Symptoms of the disorder.
  - Precautionary measures.
  - Treatment of disorders.
  - A case study.
4. Read chapter life process and prepare the 20 questions from each life process of your own and answer those questions.

Instructions:- a. Write the project report in note book in your own handwriting.

b. Best concerned, colourful pictures, cuttings from magazines, newspaper, Data etc.

**Dance –** Have to prepare a dance on one of these song

1. Nagade sang Dhol baje
2. Tere rang, murali ki dun Sun radhike
3. Piyu bole Piya bole

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