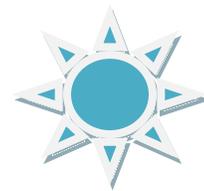




HAPPY SUMMER VACATION WITH LOTS OF FUN



VIVEKANAND SR. SEC. SCHOOL
HOLIDAYS HOME WORK
CLASS -11th (SCIENCE)

Holidays are great, but schoolwork can be fun filled and inspiring tool! So here are a few interesting activities, to keep you going, through the summer break.

English:-

1. Write and learn characters of all taught chapters. [long answer]
2. Write and learn message/ title of all taught poems and chapters.
3. Do practice of 5 type of each- letter of placing order, letter of complain, letter to editor, letter for enquiry, letter for job.

Physics:-

Unit-1st unit & Dimensions
Unit-IInd Kinematics (chapter – 1st & iind)
15 numerical per day in note Book
Theory complete
Test unit-1st & IInd after vacations.

Summer means happy times and good sunshine

Chemistry:-

Note:- writing and learning all unit.
Unit-1 some basic concept of chemistry
Unit- IInd structure of atom
Unit- III chemical bonding and structure (half unit)

Math's :-

Chapter1: Sets

Sets and their representations, empty set. Finite and infinite sets, Equal sets. Subsets, subset of the set of real numbers especially internals. Power set. Universal set. Venn diagrams. Union and intersection of sets. Difference of sets. Complement of sets. Properties of complement sets.

Chapter 2: Trigonometric functions

Truth of the identity $\sin^2x + \cos^2x = 1$ for all x, signs of trigonometric functions. Expressing $\sin(x \pm y)$ and $\cos(x \pm y)$ in terms of $\sin x$, $\sin y$, $\cos x$ and $\cos y$. Deducing the identities like the following: $\tan(x \pm y) = \frac{\tan x \pm \tan y}{1 \mp \tan x \tan y}$

$$\sin x + \sin y = 2 \sin \frac{x+y}{2} \cos \frac{x-y}{2}, \cos x + \cos y = 2 \cos \frac{x+y}{2} \cos \frac{x-y}{2}$$

$$\sin x - \sin y = 2 \cos \frac{x+y}{2} \sin \frac{x-y}{2}, \cos x - \cos y = -2 \sin \frac{x+y}{2} \sin \frac{x-y}{2}$$

Identities related to $\sin 2x$, $\cos 2x$, $\tan 2x$, $\sin 3x$, $\cos 3x$ and $\tan 3x$.

Biology:-

1. Written test of following chapters:-
Chapter 1- The Living world
Chapter2- Biological classification
Chapter3- Plant Kingdom
Chapter4- Animal kingdom
2. Find out 15 (in between) Q/A from the above mentioned chapters.
3. Activities:- Prepare a herbarium of the plants around your locality.

Music:-

1. Definition of the following:
Alankur, Varna, Kan, Meend, Khatka Murki, Gamak, Grama, Murchhana, Alaap, Tana.
2. Definition of Shruti and Swar & kinds
Naad and Andolan & kinds
Saptak and Thwats & kinds
3. Classification of Ragas
4. Time theory of Ragas
5. Introduction of Sangeet Ratnakar and Sangeet Parijat
6. Lesson of Ragas: 1 to 8
7. Lesson of Talas

Wishing all of you a very enjoyable and fun –packed summer break.