



Dear Parents,

The global pandemic Corona virus or covid-19 has caused a road bump in children's educational journey. While students are thrilled at the extended summer vacation. During summer vacation children usually divert their energy in outdoor activities and games. However, a mass lockdown the country has forced everyone to stay at home. It is the only way to keep our kids 'Safe' but summer vacation do not just sit idle and watch television. So, let's your child's creativity flourish by indulging them in some simple and yet fun filled activities.

- Parents are advised to guide motivate and facilitate their children to complete their holidays homework.
- Working together will help your child build confidence, learn to reason and develop skills for his/her education
- Encourage them to spend time with parents and grandparents
- Play indoor games with your child.

General instructions for homework

- ✓ Take a printout of the holidays homework and do the work as per teachers' instructions.
- ✓ Maintain a beautiful decorated folder for holidays homework with properly labelled sections. Write student's name, class, roll no and subject.
- ✓ Parents can be facilitator at home but the work should be done independently by the child in his/her own handwriting.
- ✓ Decorate the cover page beautifully
- ✓ Well organized and beautiful work will be the subject of appreciation.

WISH YOU A SAFE AND HAPPY HOLIDAYS

HOLIDAY HOMEWORK 2019-20
CLASS XI

ENGLISH CORE

1. Read the newspaper everyday and collect one good article/feature each related to the Elderly, Adventure , problems faced due to construction activities in Delhi-NCR , Environmental hazards and paste them in your registers.
2. Collect information related to King Tut and the Egyptian Civilization . Present it through Power Point (about 10-12 slides)
3. Write an article on 'Tourism and its future in India' in about 200 words.
4. Watch Ted talks related to the Elderly, People with disabilities and Environment and express your opinion on the same in about 100 words each
5. Read any two of novels suggested below:
 - a. The Adventures of Huckleberry Finn by Mark Twain
 - b. 1984...by George Orwell
 - c. To Sir with Love- E.R.Braithwaite
 - d. Great Expectations- Charles Dickens and summarise any two of them in about 250-300 words each

Physics Problems: kinematics

Problem 1.

A train covers 60 miles between 2 p.m. and 4 p.m. How fast was it going at 3 p.m.?

Problem 2.

Is it possible that the car could have accelerated to 55mph within 268 meters if the car can only accelerate from 0 to 60 mph in 15 seconds?

Problem 3.

car travels up a hill at a constant speed of 37 km/h and returns down the hill at a constant speed of 66 km/h. Calculate the average speed for the whole trip.

Problem 4.

archer shoots an arrow with a velocity of 30 m/s at an angle of 20 degrees with respect to the horizontal. An assistant standing on the level ground 30 m downrange from the launch point throws an apple straight up with the minimum initial speed necessary to meet the path of the arrow. What is the initial speed of the apple and at what time after the arrow is launched should the apple be thrown so that the arrow hits the apple?

Problem 5.

A box sits on a horizontal wooden board. The coefficient of static friction between the box and the board is 0.5. You grab one end of the board and lift it up, keeping the other end of the board on the ground. What is the angle between the board and the horizontal direction when the box begins to slide down the board?

Problem 6.

A 8 kg block is at rest on a horizontal floor. If you push horizontally on the 8 kg block with a force of 20 N, it just starts to move.

(a) What is the coefficient of static friction?

(b) A 10.0 kg block is stacked on top of the 8 kg block. What is the magnitude F of the force, acting horizontally on the 8 kg block as before, that is required to make the two blocks start to move?

Problem 7.

A car is accelerating at

Find its acceleration in

Problem 8.

drive a distance of 1 km at 16 km/h. Then we drive an additional distance of 1 km at 32 km/h. What is our average speed?

Problem 9.

An airliner reaches its takeoff speed of 163 mph in 36.2 s. What is the magnitude of its average acceleration.

Problem 10. A car is initially traveling due north at 23 m/s.

(a) Find the velocity of the car after 4 s if its acceleration is due north.

(b) Find the velocity of the car after 4 s if its acceleration is instead due south.

Math

***Chapter 3 full with example and exercise
5.1**

***Do in separate notebook.**

(Physical education)

General Instructions:

- ❖ You are supposed to do the task in your PE practical file.
- ❖ All the content must be hand written.
- ❖ Make the best, innovative and creative file by collecting the data from newspapers / sports magazines, Internet.
- ❖ Paste appropriate pictures related to the topics.
- ❖ Make the diagrams wherever required.

- Select any game/sport of your choice (Athletics, Archery, Badminton, Boxing, Chess, Judo, Shooting, Skating, Swimming, Taekwondo, Tennis, Aerobic, Gymnastics, Rope Skipping, Yoga, Bocce & Unified Basketball [CWSN (Children With Special Needs - Divyang) write the following details
 - a. History of the game/sport
 - b. Latest General Rules & regulations
 - c. Dimensions/ Measurement of play fields and specifications of sports equipments.
 - d. Fundamental Skills of the game/sport
 - e. Related sports terminologies
 - f. Important tournaments
 - g. Sports Personalities
 - h. Sports Awards
- Draw a neat diagram of the field/court of your game/sport with all the dimensions.
- Write about any 7 yoga asanas and their steps by step performance along

with the benefits of each. Paste good pictures of the asanas.

Biology

*Learn chapter 1 to 4 .

*Make an investigatory project report on "covid-19 " emphasizing the following points .

1. Covid-19 and its cause.
2. Symptoms of the disorder.
3. Precautionary measures.
4. Treatment of the disorder.
5. A case study

* Instructions :—

Write the project report in your own handwriting, paste pictures, cuttings from Newspaper, data etc.

The project should contain index and Bibliography.

Chemistry

*Prepare a project on the topic
“Environmental chemistry”
with the help of following
guidelines.

*Atmospheric pollution
(Tropospheric and
stratospheric gaseous air
pollutants, particulate
pollutants, global warming, o
greenhouse effect, acid rain,
smog, effect and control, ozone

hole, effects of ozone depletion.

*Strategies to control environmental pollution, waste management.

2)Write the important formulas in fair notebook of following chapters.

1.Some basic concepts of chemistry

2.Structure of atom.

3) Write 20 MCQ of chapter 1 and 2 in fair notebook.