



आत्मानं विद्धि

MANAVA BHARATI HERITAGE SCHOOL, CHANDIGARH

Summer Holiday Homework 2020-21

STAY
HOME
STAY
SAFE



- ✓ to spend precious time with loved ones
- ✓ can strengthen the bond between family members
- ✓ be able to do many beneficial activities with the family

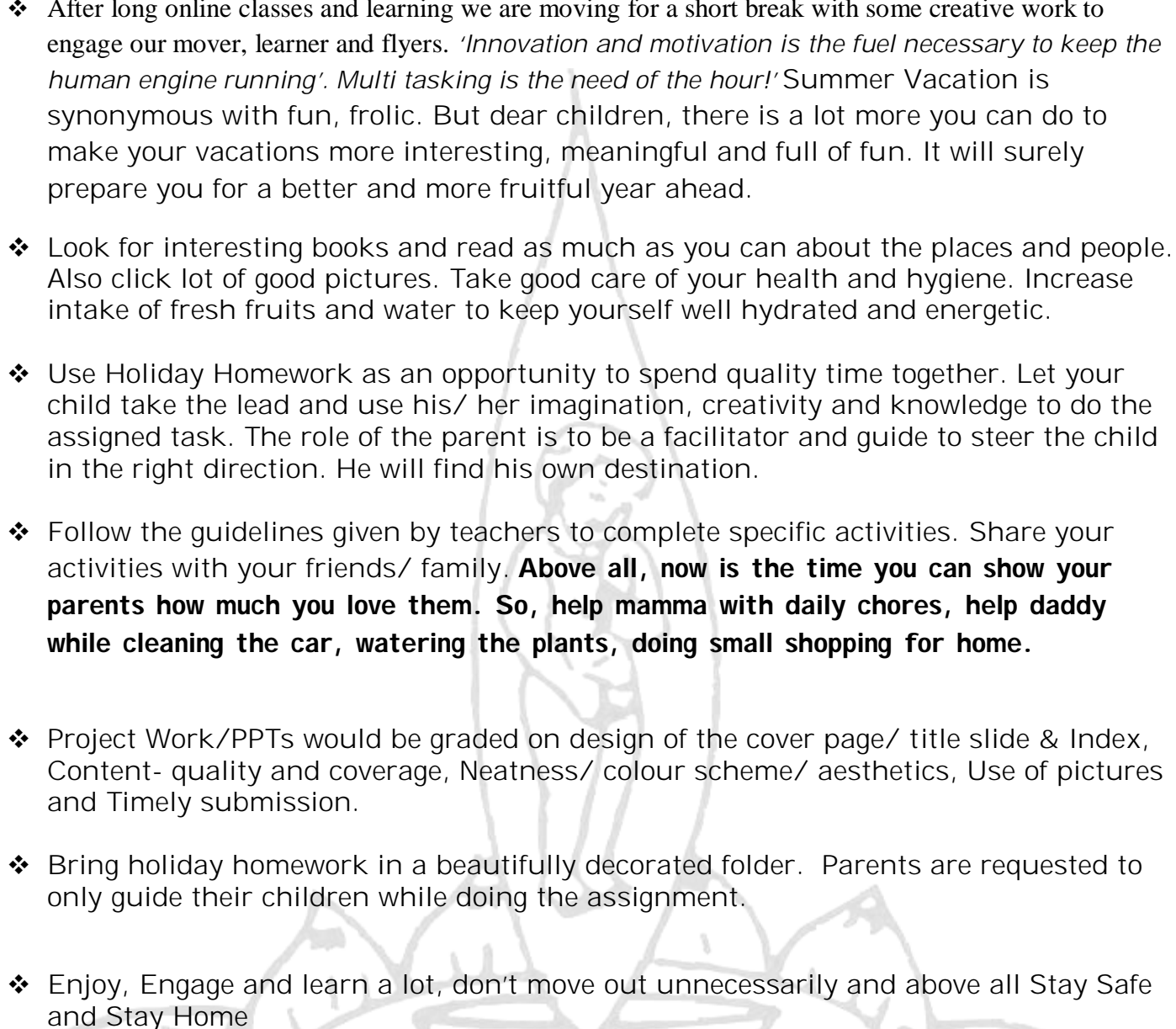


Dear Students/Parents,

#stayhome #staysafe

It seems as if the world as we know is changing daily and we need to be ready for it, we are doing our very best to maintain a sense of normalcy and also taking care of children academically and emotionally during this covid-19. *'Perfection is not attainable, but if we chase perfection we can catch excellence'*, Teachers, school staff, families and specially students are adjusting to a new life, learning in a world where we are all staying learning and working at home in order to contain the spread of covid-19. You might be inclined to create a minute by minute schedule for your kids. You have high hopes of hours of learning, including online activities. We need to guide them and make them aware of how can we deal with covid-19. Our kids are just as scared as we are right now. Our kids not only can hear everything that is going on around them, but they feel our constant tension. What kids need right now is to feel comforted and loved. To feel like it's all going to be ok. And that might mean that you tear up your perfect schedule and love on your kids a bit more. Don't worry about them. Every single kid is in this boat and they all will be ok. When we are back in the classroom, we will all course correct and meet them where they are. Teachers are experts at this! **Children need encouragement not nagging**



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- ❖ After long online classes and learning we are moving for a short break with some creative work to engage our mover, learner and flyers. *'Innovation and motivation is the fuel necessary to keep the human engine running'. Multi tasking is the need of the hour!* Summer Vacation is synonymous with fun, frolic. But dear children, there is a lot more you can do to make your vacations more interesting, meaningful and full of fun. It will surely prepare you for a better and more fruitful year ahead.
 - ❖ Look for interesting books and read as much as you can about the places and people. Also click lot of good pictures. Take good care of your health and hygiene. Increase intake of fresh fruits and water to keep yourself well hydrated and energetic.
 - ❖ Use Holiday Homework as an opportunity to spend quality time together. Let your child take the lead and use his/ her imagination, creativity and knowledge to do the assigned task. The role of the parent is to be a facilitator and guide to steer the child in the right direction. He will find his own destination.
 - ❖ Follow the guidelines given by teachers to complete specific activities. Share your activities with your friends/ family. **Above all, now is the time you can show your parents how much you love them. So, help mamma with daily chores, help daddy while cleaning the car, watering the plants, doing small shopping for home.**
 - ❖ Project Work/PPTs would be graded on design of the cover page/ title slide & Index, Content- quality and coverage, Neatness/ colour scheme/ aesthetics, Use of pictures and Timely submission.
 - ❖ Bring holiday homework in a beautifully decorated folder. Parents are requested to only guide their children while doing the assignment.
 - ❖ Enjoy, Engage and learn a lot, don't move out unnecessarily and above all Stay Safe and Stay Home

V.K PANDEY

PRINCIPAL



आत्मानं विद्धि

MANAVA BHARATI HERITAGE SCHOOL, CHAND KAIMUR

HOLIDAY HOME WORK GRADE: IX

SUBJECT: ENGLISH

1. Write the biography of ROBERT FROST by pasting some photos.

2. Design a travel brochure (booklet) on GOA

- You can visit the following websites.

www.gogoa.com

- Details to prepare a travel brochure on coorg.

- ❖ Location
- ❖ Map
- ❖ Historical background
- ❖ Climate
- ❖ Best time to visit
- ❖ How to reach
- ❖ Famous tourist spots
- ❖ Local activities
- ❖ Best hotels
- ❖ Food

- You can make your brochure attractive by adding pictures.
- You can visit on google to see a few samples of travelbrochure

SUBJECT: HINDI

- 1 पशु पक्षियों से संबंधित रचनाएं ढूंढकर पढ़िए तथा तीन का संकलन तैयार करें।
- 2 क्या आपके किसी परिचित को घुमक्कड़ी / यायावरी का शौक है ? उसके इस शौक का उसकी पढ़ाई / काम आदि पर क्या प्रभाव पड़ता होगा, लिखें।
- 3 कबीर के धार्मिक तथा सांप्रदायिक सद्भाव संबंधित विचारों पर प्रकाश डालिए।
- 4 अलंकार की परिभाषा व भेद एवं उपभेदों को सोदाहरण स्पष्ट करें।

- समस्त गृष्मावकाश कार्य A4 स्टिक फाईल में तैयार करना है।

SUBJECT: MATHEMATICS

General Instructions:

1. Solve any 5 activity.
2. Read activity instruction carefully and use A4 size paper or graph paper to solve it.

List of activity:-

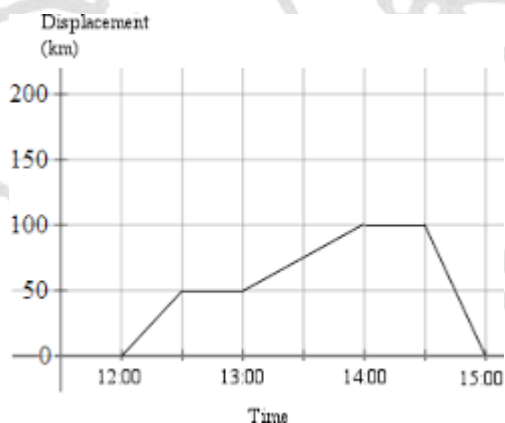
1. To verify the algebraic identity : $(a + b + c)^2 = a^2 + b^2 + c^2 + 2ab + 2bc + 2ca$
2. To verify experimentally the different criteria for congruency of triangles using triangle cut-outs.
3. To verify that the sum of the angles of a triangle is 180° .
4. To verify experimentally that in a triangle, the longer side has the greater angle opposite to it.
5. To form a cube and find the formula for its surface area experimentally.
6. To find a formula for the curved surface area of a right circular cylinder, experimentally.
7. To find experimental probability of unit's digits of telephone numbers listed on a page selected at random of a telephone directory.

SUBJECT: SCIENCE

PHYSICS:

1. Draw different types of s-t graph, v-t graph and explain it. At least 20 different types of graphs.

For examples



Explanation- this is a graph of displacement time. In this an object/person starts moving at 12 am with a constant velocity (because it is a straight line) and travels a distance of 50 km. At 12:30 it is resting for 30 min. from 13:00 to 14:00hrs he travels again with uniform velocity and so on....

2. **Sound:** Can you see sound? Can you hear a bell in bottle? How fast does a sound travel? What causes sound? How would the nature of the medium affect sound? What is echo?

Can you put out a lighted candle with sound? For this glow a candle in a room where no fan running or no any air flow is there. Now put a speaker at 1 meter from the candle and when the flame is steady then blow a loud sound in speaker. If you don't have this then try to make noise by beating a plate with a spoon. Observe the change in the flame. Make a video and send it to me at 8882926335. Explain why it is happening?

BIOLOGY

- Q1: What is COVID -19 and what is its causative agent?
- Q2: What does COVID -19 stands for?
- Q3: What are the symptoms of COVID -19?
- Q4: Are antibiotics effective in preventing or treating COVID -19? Give reason for your answer.
- Q5: Why vaccine for COVID -19 is difficult to prepare and taking so long?
- Q6: What is the difference between self isolation, self quarantine and social distancing?
- Q7: How can you protect yourself from the infection of COVID-19?
- Q8: What precautions are you taking these days before consuming fruits and vegetables?
- Q9: What precautions are you taking while buying groceries and when receiving a delivery at home these days?
- Q10: Can you get infected by COVID-19 through the air?
- Q11: How long does the virus survive on surfaces?
- Q12: Will taking extra vitamins supplements help against COVID-19 infection?
- Q13. Make the model of plant cells or animal cells.
- Q14.. Write about the structure and functions of all cell organelles with diagram.

CHEMISTRY:

1. What is the physical state of water at 250°C, 100°C, 0°C?
2. Give reasons : i) A sponge can be pressed easily; still it is called a solid.
ii) Water vapours have more energy than water at same temperature.
- 3 . What are intermolecular forces ? How are these related to the three states of matter ?
4. Is it possible to liquify atmospheric gases? If yes, suggest a method.

Long Questions:

5. a) What is meant by evaporation? What are the factors on which the rate of evaporation depend upon? b) How does evaporation causes cooling?

6. State the properties of all the five states of matter.

7. Define : Melting point , Freezing point & Boiling point

Note: All the work should be done in a file with A4 size paper.

SUBJECT: SOCIAL SCIENCE

- **Draw a political map of India and locate its all neighbouring countries, sea, island, mountain peaks.**
- **Write the summary of French Revolution.**
- **Discuss about the whole process of election in India.**
- INSTRUCTIONS - All the answers write in A4 size century paper.
- All the map (India and world) draw by free hand.

SUBJECT: COMPUTER

1. Draw a neat and clean labelled diagram that show the main function of the CPU, and briefly explain the following parts- Main memory, ALU, CU, and Secondary storage device.
2. What is the difference between Optical disk memory and Magnetic disc memory? Give examples by showing the diagram.
3. How many types of ROM available in the market? Explain each of them in minimum three sentences.
(Note: Use A4 size paper to complete your assignment).

HAPPY HOLIDAYS