



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

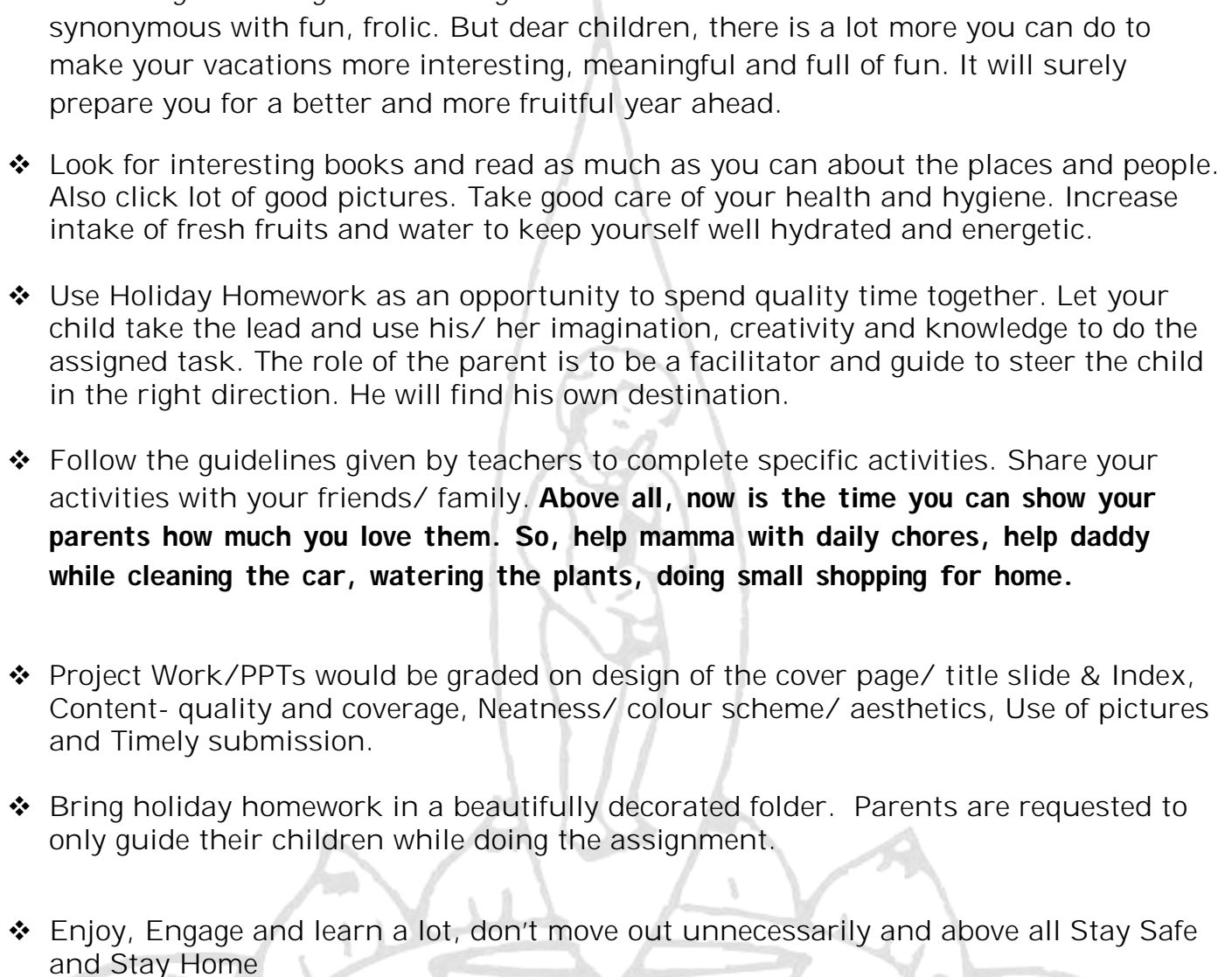


Dear Students/Parents,

#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**



- 
- ❖ 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**

## HOLIDAY HOME WORK GRADE: X

### SUBJECT: ENGLISH

✚ Write the biography of WILLIAM BUTLER YEATS With some pictures.

- Details to prepare

- ✓ Write about W.B YEATS word limit- 300
- ✓ You can add 5/6 pictures of YEATS in biography writing
- ✓ You can design the cover page with your best fantasy.

✚ Write a newspaper article on COVID-19 by adding some pictures related to.

- Details to prepare the article

- ✓ Write the name of topic
- ✓ Write about the topic nicely
- ✓ Your views and thoughts should be mentioned
- ✓ You can give your best design to it

### SUBJECT: HINDI

- 1 अपने विद्यालय में नवीन सत्र में प्रवेश हेतु एक विज्ञापन तैयार कीजिए ।
- 2 कुछ बच्चे चिड़ियों , चूहों आदि निरीह प्राणियों के साथ क्रूरता का व्यवहार करते हैं । क्या ऐसा करना उचित है ? तर्कपूर्ण उत्तर दीजिए ।
- 3 उस्ताद बिस्मिल्लाह खान के जीवन एवं व्यक्तित्व का विस्तृत वर्णन करें कुछ संबंधित चित्र भी चस्पा करें ।
- 4 विश्वामित्र एवं परशुराम की स्वभावगत विशेषताओं का वर्णन करें ।

समस्त गृष्मावकाश कार्य A4 स्टिक फाईल में तैयार करना है।

## **SUBJECT: MATHEMATICS**

### **1. Project work**

**To draw the graph of a quadratic polynomial and observe :**

- (i) The shape of the curve when the coefficient of  $x^2$  is positive.
- (ii) The shape of the curve when the coefficient of  $x^2$  is negative.
- (iii) The shape of the curve when the equation is not consistent.
- (iv) The shape of the curve when the equation has equal roots.
- (v) The shape of the curve when the equation has unequal roots.

**Material required-**

**Graph paper, ruler, pencil, eraser, pen, adhesive.**

**How to do:-** take different type of quadratic equation as i) if coefficient of  $x^2$  is positive then we can take an equation as  $2x^2 + 3x - 5 = y$ . now put the different values of  $x$  and get the value of  $y$  and draw the graph.

### **2. Make a chart of the formulas for the chapters**

**Trigonometry, mensuration, statistics and arithmetic progression.**

**Where to do?**

**You can use any type of page for this. But if possible then use a chart paper. Do all the formula on the same chart paper.**

## **SUBJECT: SCIENCE**

### **PHYSICS:**

1. Collect the damaged printed circuit boards (pcb) of different electronic devices/ electrical devices. See the components used on it. Are you not ever curious about that? What are they? What are the names of them? What type of function they do?

So for getting all these answers match the figures with the internet search and name it. If any number is given on it then type it on internet and see what name appears there. Draw the figures of it on paper and write the name and function of it. If possible then you can stick them on the page.

2. "Story of bulb."

Talk to your grandfather/ parents and ask to recall the time when they firstly see the electricity?

What type of bulb they are using at that time? What are changes come in journey of bulbs? Try to collect every type of bulbs, make their figures on copy and write that on which technology they glow. for example if you have seen the CFLs then make the figure and try to explain the working/ function

of that. Go through the internet.

#### **BIOLOGY:**

1. "All plants give out oxygen during day and carbon dioxide during night". Do you agree with this statement? Give reason.
- 2.. How do the guard cells regulate opening and closing of stomatal pores?
3. Two green plants are kept separately in oxygen free containers, one in the dark and the other in continuous light. Which one will live longer? Give reasons.
4. If a plant is releasing carbon dioxide and taking in oxygen during the day, does it mean that there is no photosynthesis occurring? Justify your answer.
- 5.Explain the mechanism of photosynthesis.
6. Explain the three pathways of breakdown in living organisms.
7. Describe the flow of blood through the heart of human beings.
8. Describe the process of urine formation in kidneys.

#### **Chemistry:**

1. Why should water be never added dropwise to concentrated Sulphuric acid?
2. Name the products formed in each case-(a) hydrochloric acid reacts with caustic soda.  
(b) Granulated Zinc reacts with caustic soda. (c) carbon dioxide is passed into lime water.
3. Why does hydrogen chloride gas not show acidic behavior?
4. What is meant by water of crystallization? Describe an activity to show that blue COPPER Sulphate crystals contain water of crystallization.

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

### **SUBJECT: SOCIAL SCIENCE**

1. Construct/ make a three dimensional Models/chart (any one), using thermocol, plaster of Paris, water colours, wooden tray, chart paper, velvet papers, husk, sand, etc. Showing
  - a. Major rivers and Dams (in map of India)
  - b. Rainwater harvesting system in India
  - c. Major transports of India. (any one)
2. Make a PPT on nationalism in India after doing research on the topic.
3. Read the chapter 2&3 of Political Science and make notes on it.
4. Make poster related to Covid-19, How can we fight/survive with it.

## **SUBJECT: COMPUTER**

1. What is the difference between a Hyperlink and a Hypertext? Explain with examples.
2. Draw a neat and clean labelled diagram that show the Client Server model structure and explain it.
3. Explain the uses of URL. Draw a diagrammatic representation that show the following – Protocol, Network type, Domain name and Domain suffix.  
( Note: Use A4 size paper to complete your assignment).

**HAPPY HOLIDAYS**

