RAYAT BAHRA INTERNATIONAL SCHOOL, HOSHIARPUR

Holiday's Homework

Grade IX

Dear Children,

- You Matter us most and we All Miss You.
- Stay Home, Stay Safe
- Be Kind to your Family
- Get Creative

Summer Vacations are at our doorsteps. Holidays are a well deserved opportunity to relax and rewind by indulging in activities that are pleasurable at the same time educative. You are going to enjoy your holidays. It's a sincere request to all to complete holiday projects and home assignments on time. Engage yourself whole heartedly as you will learn a lot through it. Practice your hobbies or inculcate new hobbies. Do a lot of Reading-can be newspapers, magazines, books or novels. Watch English news daily in order to equip yourself with the information and facts to be used as content in the writing skills.

Summer Holidays Homework is an initiative on our part, to inculcate innovativeness, creativity and interest in the tasks assigned to our students. It will not only enable them to recapitulate what was taught but will also help them to connect themselves to the various learning processes. Please ensure that your child complete the assignment neatly.

General Instructions:

All the work should be hand-written.
❖ Original drawings / illustrations and creative use of material will be appreciated.
❖ Present your work on A-4 size sheets and put it in an attractive folder with your name and class clearly written at the top.

The work will be evaluated for all the subjects on the following parameters.
- Idea and content
- Presentation
- Ability to answer the questions
- Innovativeness.
- Creativity.

Holiday's Homework of English	
1.	*Tense practice* Worksheet No. 33, 34
2.	*Active passive* Worksheet No. 37
3.	*Reported Speech* Worksheet No. 38
4.	*Topic for Debate* Is digital technology making children's lives better? *Note* This debate will be held between both the sections and all the students will have to speak out so prepare it well

Holiday's Homework of Social Science

Geography	Read & Learn Ch- 2 Physical features of India (Write question Answers in notebook)
Civics	Read & Learn Ch-2 Constitutional design (Write question Answers in notebook)
Project file	Ch. 5 Geography Natural Vegetation and Wild life (Prepare Inter disciplinary project with) Ch. 4 of History "Forest, Society and Colonialism" **Note- Project should be done on Assignment Sheets.**
Lab Manual	Complete Ch. 1 of Geo., His., Civics, Eco. And Complete Ch -2 of Geo. & Civics
Roll No.	**List of Models/ Charts**
1	Wall Hanging of French Revolution
2	Preamble
3	Wall hanging on Socialism in Europe and Russian revolution
4	EVM Machine
5	Parliament
6	Wall Hanging on Nazism and rise of hotler
7	Democratic Rights
8	Supreme court
9	Rashtrapati Bhawan
10	Wall hanging on Forest, Society and Colonialism
11	Wall hanging on Pastoralists in the Modern World
12	Tributaries
13	Distributaries
14	Delta
15	Physical features of Plains
16	Plateaus
17	Island
18	Coastal Area
19	Mountains
20	Poverty
21	Biosphere Reserves
22	Coniferous forest
23	Deciduous forest
24	Evergreen forest
25	Tidal forest
26	Desert Forest
27	Wall Hanging on different Poverty Elevation Program
28	Wall hanging on Programs launched for Food Security in India (Schemes)
29	Wall hanging on Primary, Secondery, Teritary activities
30	Different Types of maps
31	Model on French revolution (Guillotine)
32	Model on French revolution (Symbols)
33	Collect different Coins
34-36	Wildlife Sanctuaries

	Holiday's Homework of Maths
1.	Lab manual
2.	Model divided in to groups of ch-1 to 6
3.	**Assignment of 20 questions**
Q1.	Convert 4.3636363636........ in the form of p/q.
Q2.	Convert 1.51212121212....... in the form of p/q.
Q3.	Represent $\sqrt{3}$ on number line.
Q4.	Simplify : $(16/81)^{3/4}$ x $[(25/9)^{-3/2}$ divided by $(5/2)^{-3}]$.
Q5.	If $2^x=3^y=6^{-z}$ then prove that $1/x+1/y+1/z=0$.
Q6.	Simplify:(a) $5\sqrt{3}-2\sqrt{3}+7\sqrt{3}$ (b) $3\sqrt{3}+2\sqrt{27}+7/\sqrt{3}$
Q7.	Rationalise the denominator:(a) $2+\sqrt{3}/2-\sqrt{3}$ (b) $3\sqrt{2}/\sqrt{6}+\sqrt{3}$
Q8.	If $x= 1/2-\sqrt{3}$ then find the value of x^3-2x^2-7x+5
Q9.	Solve:a)(3x+4)(3x-5) b)(4a+5b) c)73X67
Q10.	If $x+1/x = 5$ then find x^2+1/x^2
Q11.	If 2x-3y = 8 and x y=2 then find the value of $4x^2+9y^{2.}$
Q12.	Factorise: i) $2x^2-7x-15$ ii) $3x^2-x-4$
Q14.	Find the value of a , b and c in the equation y-2=0 and 5=2x.
Q15.	Find the value of k if x=1 and y=-1 is solution of 3x-ky=8
Q16.	Check (3,0) and (1/2,-5)are solution of2x-y=6
Q17.	Find the value of a if (3,4) is solution of 3y=ax+7
Q18.	Find four solutions of equation: 2 x-5y=10.
Q19.	Show that the coordinates A(), B() and C () form the triangle.
Q20.	Define: i) origin ii) Quadrant iii) abscissa and ordinate

Holiday's Homework of Science	
* Physics*	Make(any one) working models :- 1. Types of motion 2. Newton's cradle 3. Windmill 4. Air cooler 5. Water dispenser from cardboard 6. Homemade LED tree 7. Water fountain with plastic bottle 8. Finger print door lock
Lab Manual (Physics)	1. To verify the laws of reflection of sound . 2. To determine the density of a solid (denser than water) by using a spring balance and a measuring cylinder .
Chemistry	Make working models on the following topics 1. Waste water treatment plant 2. Atomic structure model (3d) 3. Water distillation 4. Bohr's model of atom 5. Acid rain 6. Global warming 7. Green house effect model 8. States of matter
Biology	1. Draw the figures of various types of cells present in Human body 2. Draw a mind map to show cell components, cell organelles its discoveries and their functions. 3. Draw the nucleus of the cell and write a short note for the following a) Doubled layered structure which encloses the nucleus b) Visible entangled mass of thread like structure c) A darkly stained round structure inside the nucleus 4.Differentiate the following terms: a) Cytoplasm and nucleoplasm b) Planet cell and animal cell c) Prokaryotic and eukaryotic cell 5. Where do the liquids and proteins constituting the cell membrane get synthesized? 6. Draw a neat labelled diagram of mitochondria and label its parts. 7. 3D model of plant cell or animal cell any one.

Holiday's Homework of Hindi	
1.	Make a PPT on the topic of विराम चिन्ह
	Assignment:-
प्रश्न 1:-	आगे बढ़ती भारतीय महिलाओं की पुस्तक पढ़कर उनसे संबंधित चित्रों का संग्रह कीजिए एवं संक्षिप्त जानकारियां प्राप्त करके लिखिए:- (क)पीटी उषा (ख) आरती साहा (ग) किरण बेदी
प्रश्न 2:-	सूर्य मंडल में नौ ग्रह है ।शुक्र सूर्य से क्रमशः दूरी के अनुसार दूसरा ग्रह और पृथ्वी तीसरा। चित्र सहित अन्य ग्रहों के क्रम लिखिए। Do this work on assignment sheets.

Holiday's Homework of Punjabi	
1.	*Assignment work* *1)Topic :* ਪੰਜਾਬੀ ਸੱਭਿਆਚਾਰ ਵਿੱਚੋਂ ਅਲੋਪ ਹੋ ਰਹੀਆਂ ਕੋਈ ਦਸ ਚੀਜ਼ਾਂ ਦੀ ਸੂਚੀ ਬਣਾਉ , ਉਹਨਾਂ ਦੀਆਂ ਤਸਵੀਰਾਂ ਪ੍ਰਿੰਟ ਕਰਵਾ ਕੇ ਲਗਾਉ ਅਤੇ ਉਨ੍ਹਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਇਕੱਠੀ ਕਰਕੇ ਲਿਖੋ। *2) Topic:* ਕਵਿਤਾ ਭਾਗ ਵਿੱਚ ਆਏ ਕਵੀਆਂ ਦੀਆਂ ਤਸਵੀਰਾਂ ਲਗਾ ਕੇ ਉਨ੍ਹਾਂ ਦੇ ਜੀਵਨ ਬਾਰੇ ਸੰਖੇਪ ਜਾਣਕਾਰੀ ਦਿਉ। (ਭਾਈ ਵੀਰ ਸਿੰਘ, ਧਨੀ ਰਾਮ ਚਾਤ੍ਰਿਕ, ਫਿਰੋਜ਼ਦੀਨ ਸ਼ਰਫ, ਵਿਧਾਤਾ ਸਿੰਘ ਤੀਰ) *(Choose any one topic for assignment work.Do this work on assignment sheets & it should be creative. Do this work neatly)*
2.	Following work only for learning: *Essay* : 1. ਮੇਰਾ ਮਨਪਸੰਦ ਅਧਿਆਪਕ 2. ਜੇ ਮੈਂ ਪ੍ਰਿੰਸੀਪਲ ਹੁੰਦਾ 3. ਭ੍ਰਿਸ਼ਟਾਚਾਰ
3.	*Letter* : ਬਿਨੈ ਪੱਤਰ :- First five letters from grammar book (learn and write on Assignment Sheets)
4.	*Muhavare* (ਅ ਅਤੇ ੲ ਸ਼ਬਦ ਦੇ ਕੋਈ 10 ਮੁਹਾਵਰਿਆਂ ਦੀਆਂ ਤਸਵੀਰਾਂ ਬਣਾ ਕੇ ਜਾਂ ਤਸਵੀਰਾਂ ਚਿਪਕਾ ਕੇ ਉਨ੍ਹਾਂ ਨਾਲ ਸੰਬੰਧਿਤ ਮੁਹਾਵਰੇ ਲਿਖ ਕੇ ਵਾਕ ਬਣਾਓ)

Inforamtion Technology 402	
Holiday Homework	
Roll No. 1 - 6	Topic: Identify and list the various IT enabled services, Observe the application of IT in Home computing and Everyday Life.
Roll No. 7 - 12	Topic: Identify and list the various IT enabled services, Observe the application of IT in Library, Workplace.
Roll No. 13 - 18	Topic: Identify and list the various IT enabled services, Observe the application of IT in Entertainment, Communication.
Roll No. 19 - 24	Topic: Identify and list the various IT enabled services, Observe the application of IT in Education and Science.
Roll No. 25 - 30	Topic: Identify and list the various IT enabled services, Observe the application of IT in Marketing and Health Care.
Roll No. 31 - 36	Topic: Identify and list the various IT enabled services, Observe the application of IT in the Government and Public Service.
Note: Assignment should be made on assignment sheets only and you can made minimum 12 sheets and paste printouts on blank sheet.	

The tans will fade but the memories will last forever. Happy Summer Holidays