



Rayat Bahra International School, Hsp

Holidays Homework 2023-24

Grade X

Holidays are time when you can connect with your child in many ways. As parents are the first and the most important teacher for a child, we can encourage our child to participate in many educational activities at home and promote his/her quest to learn. Working together will not only help your child to build, learn and develop his/her skills but also strengthen your bond with him/her.

General Instructions

Instructions For Students:-

- ⌘ Try to do your vacation work by yourself.
- ⌘ Use separate Note book for each subject.
- ⌘ Writing should be very good and neat.
- ⌘ Do all work under the guidance of your parents and guardians.
- ⌘ Do all work with date & day.
- ⌘ Try to do your written work regularly to enhance your writing power.
- ⌘ Pay special attention towards your health and caring.
- ⌘ Try to Pray God Daily.

Instructions For Parents:-

- ⌘ Holiday homework has to be done under the parental guidance.
- ⌘ Fix up a time table for your ward to organize his/her daily routine like, watching television, playing with friends, studying etc.
- ⌘ Make your child responsible by assigning some of the household responsibilities to him/her.

English

1. Prepare your dialogues for Enactment on the Play: The Midnight Visitor
2. Topic for debate: The Power of Giving and Receiving, Which is better and why?
3. Practice Integrated Grammar Exercises

From Bravia

4. Assignment:

Prepare Portfolio comprising of:

1. Myself
2. Contents
3. Acknowledgement
4. Letter to Editor
5. Letter for Placing an Order
6. Achievements
7. Interests/Hobbies
8. Self-composed Poem
9. Conclusion

Note:

The students are directed to read newspaper and magazines daily and update themselves with the current affairs.

Maintain a personal diary and write two new words everyday along with current affairs.

Science

Chemistry

Make working model on the following topics

1. Preparation of HCl gas
2. Electrolysis of water
3. Soda acid fire extinguisher
4. Corrosion
5. Methods to prevent corrosion
6. Micelles
7. Allotropes of carbon (diamond, graphite)
8. Preparation of chlorine
9. Volcano
10. Metals and non - metals
11. PH machine
12. Rusting of iron

Physics

Prepare (any one) working model

1. Thermoelectric generator
2. Finger print door lock
3. Water fountain with plastic bottle
4. Capacitor in series/ parallel
5. Series vs parallel circuit
6. Water level indicator
7. Human eye
8. High Power electricity generator by waste materials

Lab manual :-

1. To verify ohm's law
2. To trace the path of rays through a glass prism

Biology

1. Make a project report on Kidney dialysis including
 - a) What is meant by dialysis?
 - b) What type of patient are put on dialysis?
 - c) Explain the principal of dialysis with the help of a labelled diagram.
2. Draw 3D charts/working model on any one of the following Topics
 - a) Pumping of heart
 - b) Digestive system
 - c) Respiratory system
 - d) Excretory system
 - e) Human brain
 - f) Nervous system

Give answer for the following questions:

- a) Describe the mechanism of urine formation in human excretory system. Draw a labelled to illustrate your answer.
- b) Describe the working of human blood circulatory system with the help of a suitable diagram which show the steps involved in it.
- c) Why do the walls of trachea not collapse when there is less air in its?

Lab Manual: Write 1 and 2 experiment.

Mathematics

Prepare a model on:

1. Circle (Roll no 1 to 10)
2. Trigonometric ratio(Roll no 11-20)
3. Probability(Roll no 21-30)
4. Surface area and volume of cone(Roll no 31-45)

Social Studies

Geography	Read & Learn Ch-2 Forest and Wildlife resources (Write Question Answers on Notebook)
Civics	Read & Learn Ch-2 Federalism (Write Question Answers in Notebook)
Project File	Ch-6 Geography Life Lines of National Economy Inter disciplinary project with Ch-3 of History: The making of a Global world and Ch-4 of Economics: Globalization and the Indian Economy.
Lab Manual	Complete Ch-1, 2 of Geography, History, Civics, Economics
Roll No.	List of Models/Charts
1-4	Methods to Conserve Water
5-8	Wind Mill
9-12	Solar Energy
13-16	Geothermal Energy
17-20	Biogas Plant
21-24	Tidal Energy
25-28	Catchment Area
29-32	Tributaries
33-36	Delta
37-40	Methods to Conserve Soil
41-45	Sectors of Indian Economy

Hindi

1. Make a PPT on the topic of समास

Assignment Work:-

1. स्वतंत्रता आंदोलन में निम्न लिखित महिलाओं ने योगदान दिया, उनके बारे में संक्षिप्त जानकारी प्राप्त करके लिखिए।

1. ਸਰੋਜਨੀ ਨਾਯਡੂ
2. ਅਰੂਣਾ ਆਸਿਫ ਅਲੀ
3. ਕਸ਼ਤੂਰਬਾ ਗਾਂਧੀ

2. ਰਵੀਨਦਰ ਨਾਥ ਠਾਕੁਰ ਕੋ ਨੋਬਲ ਪੁਰਸਕਾਰ ਪਾਨੇ ਵਾਲੇ ਪਹਲੇ ਭਾਰਤੀਯ ਹੋਨੇ ਕਾ ਗੌਰਵ ਪ੍ਰਾਪਤ ਹੈ, ਤਨਕੇ ਵਿਭਯ ਮੇਂ ਜਾਨਕਾਰੀ ਏਕਤ੍ਰਿਤ ਕਰਕੇ ਲਿਖਿਯ।

Learn: ਸ਼ਿਕਾਯਤੀ ਪਤਰ

Punjabi

Assignment Work	<p>Topic: ਕਵਿਤਾ ਭਾਗ ਵਿੱਚ ਆਏ ਕਵੀਆਂ ਦੀਆਂ ਤਸਵੀਰਾਂ ਲਗਾ ਕੇ ਉਨ੍ਹਾਂ ਦੇ ਜੀਵਨ ਬਾਰੇ ਸੰਖੇਪ ਜਾਣਕਾਰੀ ਦਿਉ। ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਜੀ, ਗੁਰੂ ਅਮਰਦਾਸ ਜੀ, ਗੁਰੂ ਅਰਜਨ ਦੇਵ ਜੀ, ਭਾਈ ਗੁਰਦਾਸ ਜੀ</p> <p>Choose any one topic for assignment work. Do this work on assignment sheets & it should be creative. Do this work neatly</p>
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Following work only for learning:

Essay	<ol style="list-style-type: none"> 1. ਨਾਨਕ ਦੁਖੀਆ ਸਭ ਸੰਸਾਰ 2. ਮੇਬਾਇਲ ਦੀ ਦੁਰਵਰਤੋ 3. ਬੇਰੁਜ਼ਗਾਰੀ
Letter	ਬਿਨੈ ਪੱਤਰ :- First five letters from grammar book (learn and write on Assignment Sheets)
Muhavare	ਕ ਅੱਖਰ ਦੇ ਕੋਈ 10 ਮੁਹਾਵਰਿਆਂ ਦੀਆਂ ਤਸਵੀਰਾਂ ਬਣਾ ਕੇ ਜਾਂ ਤਸਵੀਰਾਂ ਚਿਪਕਾ ਕੇ ਉਨ੍ਹਾਂ ਨਾਲ ਸੰਬੰਧਿਤ ਮੁਹਾਵਰੇ ਲਿਖ ਕੇ ਵਾਕ ਬਣਾਓ
Activity	ਵਿਆਕਰਨ ਭਾਗ ਦੇ ਕਿਸੇ ਇੱਕ ਵਿਸ਼ੇ ਤੇ ਮਾਡਲ ਜਾਂ ਚਾਰਟ ਬਣਾਓ।

Information Technology (402)

Sr. No.	Learning Outcomes	Practical
1.	Create and Apply Style in the document	>>> List style categories. Select the style from Styles and Formatting window. >>> Use fill Format to apply a style to many different areas

		<p>quickly.</p> <ul style="list-style-type: none"> >>Create and update a new style from a selection. >>Load a style from a template or another document >>Create a new style using drag-and drop.
2.	Insert and use images in document	<ul style="list-style-type: none"> >>Insert an image to document from various sources. >>Modify, resize, crop and delete an image. >>Create drawing objects. >>Set or change the properties of a drawing object.
3.	Create and use template	<ul style="list-style-type: none"> >>Create a template >>Use predefined templates >>Set up a custom default template >>Update a document
4.	Create and customize table of contents	<ul style="list-style-type: none"> >>Create a table of contents. Define a hierarchy of headings >>Customize a table of contents
5.	Implement Mail Merge	<ul style="list-style-type: none"> >>Demonstrate to print the label using mail merge, do the following to achieve >>Create a main document >>Create the data source >>Enter data in fields

Painting

Canvas painting and glass bottle painting