**BHAI JOGA SINGH PUBLIC SCHOOL**

**WINTER HOLIDAYS HOMEWORK**

**CLASS – X (2021-2022)**

**English:**

Read the book - Too many reasons to live by Rob Burrow and make a slide show of about 10 - 12 slides including introduction, characters , theme and short detail of the book include a slide conveying the message ( if any ) . You should have a complete knowledge about the book . Questions will be asked while testing your speaking skills .

**Hindi:**

**नोट -सभी कार्य एक A-4 शीट्स का प्रयोग कर फाइल में तैयार करे-**

1) बचपन से दूर होते बच्चे - पर विषय पर लघु कथा लिखिए |

2) आत्मविश्वास सफलता की कुंजी - अनुच्छेद लिखिए|

3) शहर में नया स्कूल खुला है- उसके लिए आकर्षक विज्ञापन तैयारकीजिये|

4) स्मार्टक्लास की उपयोगिता बताते हुए अपने मित्र को पत्र लिखिए |

**Punjabi:**

**ਅੱਜਕੱਲਰੋਜ਼ਗਾਰਵਿਚਆਉਣਵਾਲੀਆਂਪ੍ਰੇਸ਼ਾਨੀਆਂਤੋਂਆਪਣੇਵਿਚਾਰਪ੍ਰਗਟਕਰੋ।**

**ਆਪਣੇਇਲਾਕੇਵਿਚਆਵਾਰਾਕੁੱਤਿਆਂਦੀਰੋਕਥਾਮਲਈਆਪਣੇਇਲਾਕੇਦੇਪ੍ਰਧਾਨਨੂੰਪੱਤਰਲਿਖੋ।**

**Maths:**

1) Make a power point presentation regarding the population of sikkim. Keep the following areas in your presentation -

A) Rainfall rate along the year ( use bar graph)

B) Pie chart of population of sikkim

C) Ratio of area of Delhi and sikkim

D) Major language spoken ( bar graph with diagram)

E) Density of population ( Area/ population)

F) Number of government schools at the elementary level from the year 2009 onwards ( Bar Graph)

G) Population Trend ( Bar graph)

H) Average death rate (Ratio)

2) Complete the mathematics lab activity file

3) Make a beautiful chart regarding the formulas of surface area and volumes

**Science:**

**Biology**

**. Make a project on “Reproductive health”.**

**It should be ppt in a pen drive and submitted on 18th January positively.**

**The project should include:-**

1. **What is reproduction?**
2. **Different types of Reproduction.**
3. **Sexual reproduction in human beings.**
4. **Complete 9month journey of development of the child.**
5. **How should mother take care of herself while**

**Conception.**

1. **Sexually transmitted disease.**
2. **Details of any one of the Sexually Transmitted disease.**

**This should be on at least 20-25 slides. The marks will be**

**Awarded on the content, presentation and creativity.**

**II. Do all the question of chapter Reproduction.**

**PHYSICS AND CHEMISTRY HOLIDAYS HOMEWORK**

**Write down these activities of physics and chemistry on A4 size sheet and perform these activities at your home.**

* **Experiment Name: To verify the laws of reflection of light using a plane mirror.**

**Activity 1: Law of Reflection (Mobile Phone)**

[**https://youtu.be/cHABkxAW1sc**](https://youtu.be/cHABkxAW1sc)

[**http://cbseacademic.nic.in/ThinkTak\_LabManual/711\_TPL26TA52ENV13\_Law\_of\_Reflection\_(Mobile\_Phone)\_AL.pdf**](http://cbseacademic.nic.in/ThinkTak_LabManual/711_TPL26TA52ENV13_Law_of_Reflection_(Mobile_Phone)_AL.pdf)

**Materials Required**

[**http://cbseacademic.nic.in/ThinkTak\_LabManual/713\_TPL26TAMTENV12\_Law\_of\_Reflection\_(Mobile\_Phone)\_AL.pdf**](http://cbseacademic.nic.in/ThinkTak_LabManual/713_TPL26TAMTENV12_Law_of_Reflection_(Mobile_Phone)_AL.pdf)

**Record your observation in these sheets**

[**http://cbseacademic.nic.in/ThinkTak\_LabManual/712\_TPL26CONXENV12\_Law\_of\_Reflection\_(Mobile\_Phone)\_AD.pdf**](http://cbseacademic.nic.in/ThinkTak_LabManual/712_TPL26CONXENV12_Law_of_Reflection_(Mobile_Phone)_AD.pdf)

* **Experiment 2: To study saponification reaction for preparation of soap.**

**Activity 2: DIY Handmade Soap**

[**https://youtu.be/FT9SRiUoVXM**](https://youtu.be/FT9SRiUoVXM)

[**http://cbseacademic.nic.in/ThinkTak\_LabManual/611\_TCC23TA52ENV16\_DIY\_Handmade\_Soap\_AL.pdf**](http://cbseacademic.nic.in/ThinkTak_LabManual/611_TCC23TA52ENV16_DIY_Handmade_Soap_AL.pdf)

**Observation sheet**

[**http://cbseacademic.nic.in/ThinkTak\_LabManual/612\_TCC23CONXENV16\_DIY\_Handmade\_Soap\_AD.pdf**](http://cbseacademic.nic.in/ThinkTak_LabManual/612_TCC23CONXENV16_DIY_Handmade_Soap_AD.pdf)

**Materials Required**

[**http://cbseacademic.nic.in/ThinkTak\_LabManual/613\_TCC23TAMTENV16\_DIY\_Handmade\_Soap\_AL.pdf**](http://cbseacademic.nic.in/ThinkTak_LabManual/613_TCC23TAMTENV16_DIY_Handmade_Soap_AL.pdf)

* **Search, Read and Write about any five new inventions in the field of chemistry and physics on A4 size sheets .**
* On a chart draw periodic table
* On an A4 size sheet, write all the formulas of electricity chapter
* Make a PowerPoint presentation on any one of the following topics :
* Air quality index of sikkim
* Hydro power plants located in sikkim
* Agricultural conditions of sikkim

**Social studies:**

Make a beautiful chart on any one topic

Political parties

Money and credit

Nationalism in India

Write and paste on A4 size sheets different forms of money used today to be pasted in portfolio

Write and draw about the sense of collective belonging (The Nationalism in India) to be done in portfolio.

Fill the following maps and paste in the sst portfolio

1. HISTORY (Outline Political Map of India)

Chapter – 3 Nationalism in India – (1918 – 1930) for Locating and Labelling /

Identification

1. Indian National Congress Sessions:
   1. Calcutta (Sep. 1920)
   2. Nagpur (Dec. 1920)
   3. Madras (1927)
2. Important Centres of Indian National Movement
   1. Champaran (Bihar) – Movement of Indigo Planters
   2. Kheda (Gujarat) – Peasant Satyagrah
   3. Ahmedabad (Gujarat) – Cotton Mill Workers Satyagraha
   4. Amritsar (Punjab) – JallianwalaBagh Incident
   5. ChauriChaura (U.P.) – Calling off the Non-Cooperation Movement
   6. Dandi (Gujarat) – Civil Disobedience Movement.
3. GEOGRAPHY (Outline Political Map of India)

Chapter 1: Resources and Development (Identification only)

* 1. Major soil Types

Chapter 3: Water Resources (Locating and Labelling) Dams:

1. Salal
2. BhakraNangal
3. Tehri
4. Rana Pratap Sagar
5. SardarSarovar
6. Hirakud
7. Tungabhadra

Note: Only map items of this chapter as listed above will be evaluated in Board Examination.

Chapter 4: Agriculture (Identification only)

1. Major areas of Rice and Wheat
2. Largest / Major producer states of Sugarcane, Tea, Coffee, Rubber, Cotton and Jute

Chapter 5: Minerals and Energy Resources

Power Plants

(Locating and Labelling only) a. Thermal

* + - Namrup
    - Singrauli
  1. Nuclear

• Ramagundam

* + - Narora
    - Kakrapara • Tarapur
    - Kalpakkam

Note: Only Map Items of this chapter as listed above will be evaluated in Board Examination.

Chapter 6: Manufacturing Industries (Locating and Labelling Only)

Cotton Textile Industries:

1. Mumbai
2. . Indore
3. Surat
4. Coimbatore
5. Kanpur

Iron and Steel Plants:

1. Durgapur d. Bhilai
2. Bokaro e. Vijaynagar
3. Jamshedpur f. Salem

Software Technology Parks:

1. Noida
2. Hyderabad
3. Gandhinagar
4. Bengaluru
5. Mumbai
6. .Chennai
7. Pune
8. Thiruvananthapuram

Chapter 7: Lifelines of National Economy (Locating and Labelling) Major Ports:

1. Kandla
2. Tuticorin
3. Mumbai
4. Chennai
5. Marmagao
6. Vishakhapatnam
7. New Mangalore
8. Paradip
9. Kochi
10. Haldia

International Airports:

1. Amritsar (Raja Sansi)
2. Kolkata (Netaji Subhash Chandra
3. Delhi (Indira Gandhi International) Bose)
4. Mumbai (ChhatrapatiShivaji)
5. Hyderabad (Rajiv Gandhi)
6. Chennai (MeenamBakkam)

**Information technology:**

Project :-

A cricket match was played between Teams A and B. Team A won the toss and elected to bat and won the match. The manager of Team A decided to record the performance of each player in a database. He wants to develop an easy to use interface that can help him record the player’s performance. The details of each player are given below :-

\*Create a Form to store the performance of each player in the team.

\*Use suitable field names in the form

\*Enter the data given below.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.No. | Name of the Player | Runs Scored | Overs Played | Average | Batsman/Bowler |
| 1 | Ajay | 72 | 7 | 10.2 | Batsman |
| 2 | Gagan | 56 | 8 | 7 | Batsman |
| 3 | Saurabh | 44 | 5 | 8.8 | Batsman |
| 4 | Aman | 62 | 8 | 7.75 | Batsman/Bowler |
| 5 | Navjot | 28 | 4 | 7 | Batsman |
| 6 | Amrik | 2 | 1 | 2 | Batsman/Bowler |
| 7 | Faisal | 18 | 3 | 6 | Bowler |
| 8 | Rishab | 32 | 4 | 8 | Bowler |
| 9 | Manjot | 25 | 3 | 8.3 | Bowler |
| 10 | Piyush | 8 | 1 | 8 | Bowler |
| 11 | Sahil | 20 | 3 | 6.6 | Bowler |