

BAL BHAWAN SCHOOL, BHOPAL
PORTFOLIO / HOLIDAY HOME WORK
GRADE X - 2021

GENERAL INSTRUCTION FOR STUDENTS

Portfolio for all subjects to be made in A – 4 size sheets. Use minimum 6 pages.

Students need to make a cover page of the file under the following heads:

- Student's Name –
- Class- X Section –
- School – Bal Bhawan School
- Session – 2021- 2022

Students can use their own creativity to make their portfolio attractive

For each subject the FIRST page must be of specific colour Mention Your Name, Class, Sec, and the Name of Teacher to whom it has to be submitted:

- English – Orange
- Optional – Green
- Maths – Yellow
- Science – Pink
- Social Science - Blue

Subject	Topic
ENGLISH	Portfolio - Research Work Write a biography of Robert Frost with reference to the given points below: Information should cover personal, educational, professional aspects. Critics point of view on his works. □Famous works, awards received. Write a critical review of one of his famous poetry. Word limit- 250 to 300 words.
HINDI	परियोजना विषय- सुभाष चन्द्र बोस के व्यक्तित्व एवं कृतित्व पर सूचना एकत्रित करके लगभग 3५० शब्दों में एक आकर्षक परियोजना कार्य तैयार कीजिए। परियोजना कार्य सुंदर सुसज्जित एवं आकर्षक होना चाहिए (इसके लिए अलग से अंक निर्धारित हैं।)
SANSKRIT	पर्यावरण, प्रिय माता, प्रिय कवि, प्राकृतिक सौन्दर्य इनमें से किसी एक विषय पर कोलाज बनाकर अनुच्छेद लिखें । नोट- छात्र पोर्टफोलियो संस्कृत का अलग से तैयार करें । परियोजना कार्य सुन्दर अक्षरों में लिखकर एवं सजाकर तैयार करें ।
URDU	* Submission date 14th June Topic of Drawing :- " حمد" نظم میں سے سبق نمبر 1 کی تصویر پیش کی گئی ہے اس کو بنائیں - اور اس میں رنگ بھریں 1. It should be very well decorated as it carries marks, also use relatable pictures to make it more attractive.

SCIENCE**PHYSICS**

Research work on "**James Prescott Joule**"

Life history, # Discoveries & inventions, # Awards & recognition

CHEMISTRY

Students can use their own creativity to make portfolio attractive. Stick pictures write balanced chemical equations involved.

Topic – Photolytic Decomposition.

In a photolytic decomposition reaction the silver halides breaks into simple substance in presence of sunlight.

(a) Name the silver compound used in black and white photography.

(b) Why is silver bromide used in photography?

(c) Why a strong beam of light should be passed on the silver compound during photography?

(d) What is the function of hypo solution in black and white photography?

(e) How is negative in photography developed

BIOLOGY

Choose **any one** of the given research ideas & answer the potential question asked in two A4 size pink colour pages. Make a collage, stick pictures etc. to make it more informative.

THEME	TOPIC	POTENTIAL QUESTION
1. LAND	Sustainable agriculture	What role the sustainable agriculture can play now and into the future for rural communities.
2. WATER	Water audit	How much water does my school use and where can we improve.
3. CLIMATE CHANGE	Conservation	How could a warming effect/impact on survival of species eg.(plants/animals)

SOCIAL STUDIES**HISTORY**

Write a character sketch on any one revolutionary figure from the Chapter- The Rise of Nationalism in Europe.

GEOGRAPHY

Map Activity I- Mark States and Union Territories along with their capitals on Political map of India.

Map Activity II- (a) Mark the major soil types found in India. [Chapter- 1]

(b) To mark the following dams: [Chapter- 3]

(i) Salal, (ii) Bhakra Nangal, (iii) Tehri, (iv) Rana Pratap Sagar

(v) Sardar Sarovar, (vi) Hirakund, (vii) Nagarjuna Sagar

(viii) Tungabhadra

To make a flow chart on the types of resources. [Chapter- 1]

ECONOMICS

Multiple Assessment: - -Worksheet from Economics Chapter- 1

MATHEMATICS	<p>GEOMETRY: SUB TOPIC - SIMILAR TRIANGLES</p> <p>*Preparing concept map on similar triangles.</p> <p>-Thales theorem and its converse</p> <p>- Showing conditions/ criteria's of similarity</p> <p>-Area theorem, -Pythagoras Theorem and its converse</p> <p>*Cover page should be decorated using mathematical shapes and figures</p> <p>*On second sheet prepare presentation of the activity using colourful shapes with following details. NAME, Subject, Topic , Sub topic</p>
ARTS	<p>Make 2 beautiful drawing using</p> <p>- Element of Art Line, Shape, Color</p> <p>- Value, Form, Space, Texture</p>
COMPUTER	<p>Activity : My Dream Smart Home</p> <p>Individual Activity Submission as : Made on A4 Sheets with Sketch-pens. Detailed diagram and minimum 200 words write up.</p> <p>Congratulations! You have just won the opportunity to design your Dream Home!</p> <p>Draw a floor plan of your dream home. Does it have a swimming pool... or does it have a place for you to indulge in your favourite hobby... Or if you like gardening... Do you have a garden indoors or outdoors? Imagine you can look down from above at all the spaces in your dream home. What does it look like? Draw it out!" If you could design your home, what would your ideal home look like? Would it have some unique features other than the existing Drawing Room Kitchen Bedrooms etc.? Would it have a swimming pool? A garden - indoors or outdoors? A hobby corner? What if your home could follow all your commands? What are the luxuries that you can include? Design a layout of a floor plan of your dream smart home.</p> <p><u>Include at least 20 features / gadgets or devices that you think will make it unique or "smart".</u></p>
MUSIC	<p>Theory- 1.1 Unit- Alap, Taan, Khatka, Alankaar- 10</p> <p>Structure of tanpura</p>