

ITBP Public School

Holiday Homework

Class 10

Subject	
English	<p>"Project Based Homework – Class X</p> <p>Understand and appreciate the rich cultural heritage, traditions, languages, food, festivals, art forms, and lifestyles of different Indian states under the initiative Ek Bharat Shreshtha Bharat.</p> <p>Project Guidelines</p> <p>Choose:</p> <ul style="list-style-type: none"> • Home State: Delhi • Partner State: Sikkim <p>Sections to Include</p> <p>1. Introduction</p> <p>Write a short introduction about:</p> <ul style="list-style-type: none"> • India’s diversity • Aim of Ek Bharat Shreshtha Bharat • Importance of national integration (80–100 words) <p>2. State Profile Comparison</p> <p>Features Home State Partner State</p> <p>Capital</p> <p>Official Language</p> <p>Famous Festival</p> <p>Traditional Dress</p> <p>Famous Food</p> <p>Dance Form</p> <p>Tourist Places</p> <p>Handicrafts</p> <p>3. Language Activity</p> <p>Learn and write:</p> <ul style="list-style-type: none"> • 10 common words/sentences from the partner state language. <p>4. Famous Personalities</p> <p>Write about any two famous personalities from the chosen states:</p> <ul style="list-style-type: none"> • Freedom fighters • Scientists • Artists • Sportspersons <p>5. Conclusion</p> <p>Write what you learned from the project:</p> <ul style="list-style-type: none"> • Importance of unity • Respect for all cultures • Strength of Indian diversity <p>(60–80 words)</p> <p>6. Creative Additions</p> <p>You may also include:</p> <ul style="list-style-type: none"> • State map • Drawings • Collage"

Hindi	<p>1. सिक्किम राज्य की भौगोलिक स्थिति भारत में । सिक्किम राज्य की कला संस्कृति, वेशभूषा, रीति - रिवाज, खान - पान, कृषि, पर्यटन, उद्योग ।</p> <p>2. पाठ्य पुस्तक में से किसी एक कवि का संक्षिप्त परिचय, हिन्दी साहित्य में योगदान एवं पुरस्कार ।</p> <p>3. मुंशी प्रेमचंद का जीवन परिचय, हिन्दी साहित्य में योगदान, प्रमुख कृतियाँ।</p> <p>उपरोक्त कार्य छात्र फाईल में करे ।</p>
Mathematics	<p>Write any four projects out of given topic in a Project file elaborately with colourful work: (Atleast 1000 words for each)</p> <p>Topic list</p> <ol style="list-style-type: none"> 1. To develop Heron's formulae for area of a triangle. 2. Story of π. 3. Development of Number Systems with their needs. 4. Chronology of Indian Mathematicians with their contributions. 5. Chronological development of solution of a quadratic equations. 6. Development of Formula for the area of a cyclic quadrilateral. 7. Pythagoras Theorem-Proofs other than given in the present textbook. 8. Extensions of Pythagoras Theorem. 9. With rectangle of given perimeter finding the one with a maximum area and with rectangle of given area, finding the one with least perimeter. 10. Knowledge and classification of solid figures with respect to surface areas and volumes. 11. Sum of the exterior angles of a polygon taken in an order. 12. Generation of Pythagorean triplets. 13. Magic squares. 14. With cuboids of given surface area, finding the one with maximum volume and with cuboids of given volumes finding one with least surface area. 15. Mathematical designs and patterns. 16. Indian Mathematicians and their contributions. 17. To prepare a list of quotations on mathematics. 18. Ramanujan number (1729) 19. Mathematical Crosswords 20. Application of Geometry in day-to-day life 21. Application of Algebra in day-to-day life. 22. Application of Mensuration in day-to-day life. The project should be developed and presented in this order. <ol style="list-style-type: none"> a) Cover page showing project title, student information, school and year. b) Certificate page c) Acknowledgement d) Index- List of contents with page numbers. e) Introduction f) Relevant content with headings g) Summary and conclusions based on findings. h) References (website used, reference Book , encyclopaedia) <p>Project should be done on colourful ruled or plane sheets. Complete Maths notebook and Revise Chapter 1, 2, 3, 4 and 14 in a rough notebook.</p>
SST	<p>Political Science: Project Work</p> <p>Topic - Social Issues</p> <p>create a handwritten project in scrapbook cover it with RED colour(15-20 pages) with a coverpage, acknowledgments , certificate, main content, Conclusion and bibliography.</p>

	HISTORY 1) Prepare project on chapter- The Age of Industrialisation. (20 pages)
	Economics - Short project on Consumer protection (Based on 5th chapter)
Science	<p>" 1. Complete the practical work assigned to you. The pdf will be shared in the group. 2. Complete the worksheet in your physics, chemistry and biology notebook. The worksheet will be shared in your group. 3. Make a project on the following topics (a) Biology -""STUDY OF FLORA AND FAUNA FOUND IN SIKKIM "" (b) Physics- ""FUNCTION OF LIGHT HOUSE AND SOLAR FURNACE IN SIKKIM"" (c) Chemistry - "" HOW CHEMISTRY PLAYS A ROLE IN PRESERVING THE NATURAL ENVIRONMENT (SOIL, AIR, CLIMATE, WEATHER AND FOREST) OF SIKKIM""</p> <p>The project file should include all topics and it must be handwritten with appropriate pictures.</p> <p>4. Complete the book exercise of Acid, Bases and Salt (Chemistry) and Human Eye and the colour ful world around us (physics). Complete notes of chapter - Control and Coordination" 5. Prepare a *subject enrichment activity* file on "Magnetic field and it's effect." For reference use science textbook. Topics to be included - magnetic field and magnetic field lines, magnetic field due to current carrying wire, right hand thumb rule, magnetic field around a current loop, magnetic field of solenoid, Fleming's left hand rule. Domestic electric circuit, short circuit and overloading of circuit, electric fuse and earthing</p>
AI	Complete your portfolio file for unit 1 to 3
Library	<p>Library Summer Vacation Homework</p> <ol style="list-style-type: none"> 1. Read the biography of any famous personality and write 10 lines about them. 2. Prepare a list of 10 motivational or inspirational books with authors' names. 3. Read newspaper editorials for 5 days and write the main points of each. 4. Write about the importance of libraries in modern education. 5. Create a book review of your favourite novel/story book and do it in your library notebook