




BHAGIRATH PUBLIC SCHOOL GHAZBIABAD

Summer Holidays Homework

CLASS XII A₁ (2024-25)

SUBJECT	TOPICS
CHEMISTRY	<p>PROJECT Scientific investigations involving laboratory testing and collecting information from other sources A few suggested Projects.</p> <ul style="list-style-type: none">• Study of the presence of oxalate ions in guava fruit at different stages of ripening.• Study of quantity of casein present in different samples of milk.• Preparation of soybean milk and its comparison with the natural milk with respect to curd formation, effect of temperature, etc.• Study of the effect of Potassium Bisulphate as food preservative under various conditions (temperature, concentration, time, etc.)• Study of digestion of starch by salivary amylase and effect of pH and temperature on it.• Comparative study of the rate of fermentation of following materials: wheat flour, gram flour, potato juice, carrot juice, etc• Extraction of essential oils present in Saunf (aniseed), Ajwain (carom), Illaichi (cardamom).• Study of common food adulterants in fat, oil, butter, sugar, turmeric power, chilli powder and pepper.
PHYSICS	<p>1. Make A Working Model On Given Topic. Also Make A Project File On The Selected Topic (Any 1 Topic).</p> <ul style="list-style-type: none">• Half Wave Rectifier• Full Wave Rectifier• Step Up Transformer• Step Down Transformer• Electromagnetic Crane• Charging And Discharging Of Capacitor• Thermoelectric Generator• Note – Use This Link• https://Youtube.Com/Shorts/Qd6as9_A2gk?Si=Krpswu4ucuvy1co1 <p>And Make Project File On The Selected Working Model.</p> <p>2. Write All The Experiments In Your Practical Lab Manual.</p> <p>3. Make A Separate Notebook And Write All The Important Derivations And Formulas Based</p>

	Numerical Of Chapter 1, 2 And 3.
MATHS	<p>MATH'S PROJECT</p> <ul style="list-style-type: none"> • History Of Mathematics And Contributions Of Great Mathematicians • Graphs Of Inverse Trigonometric Functions • Real-Life Applications Of Integrals And Derivatives • Vectors And Scalars Quantities In Real Life • Direction Cosines And Direction Ratios In Three-Dimensional Geometry
ENGLISH	<ul style="list-style-type: none"> • The whole work should be presented in • PORTFOLIO <p>PROJECT-1 (CAFE HOOPER)</p> <ul style="list-style-type: none"> • Visit a variety of cafes.... • Practice ordering in English off of the menu. • Take a photo of the cafes and write the Differences and similarities. • Speak to a stranger in each cafe in English and ask them some interesting questions about • Their life. (Prepare a report about it) • Interview the barista about their special kind of coffee or beverage. <p>PROJECT-2 (NEWS MANTRA)</p> <ul style="list-style-type: none"> • Watch the evening news, choose a news story that has piqued your interest, and prepare...A • report on the news story • Write a dialogue in which a journalist • Interviews someone involved in the story.
P.EDU	<p>Make a project on volleyball </p> <ul style="list-style-type: none"> • History • Rules and latest Rules • Fundamental skills • Terminology • Draw ground with measurement • Tournaments • Roll models.
C.ART	<p>Need to prepare 5 panting n a A2 size paper based on the below mentioned topics</p> <ul style="list-style-type: none"> • Daily Life Lustration • Advertisement • Caricature • Story board • Rajasthan miniature (radha-banithani)

HINDI

- (क) भवि काल की ववववध धाराओं का पररचय देते हुए प्रत्येक के दो-दो कववयों का नामुल्लेख करके उनका पोस्टर बनाइये।
- (ख) ककसी भी समाचार पत्र के अंश को ध्यानपूर्वक पकिए और कदए गये समाचार मेंसे ककार ढूँँढ कर ए 4शीट पर वलवखए।
- (ग) ककसी क्षेत्र ववशेष से जुड़े व्यवि से साक्षात्कार करने के वलए प्रश्न-सूची तैयार कीवजए ,जैसे - सिंगीत/नृत्य ,वचत्रकला ,वशक्षा ,अवभनय ,सावहत्य , खेल |इनमे सेककसी एक क्षेत्र का चयन करें।
- (घ) सिंचार ककसे कहते हैं? जन-सिंचार के माध्यमों पर प्रकाश डालते हुए ककसी एक जन-सिंचार माध्यम का मॉडल तैयार कीवजए।