



BHAGIRATH PUBLIC SCHOOL

HOLIDAY HOMEWORK (Session 2024-2025)

English Core

Class XII A2



The whole work should be presented in portfolio

Project-1 (Café Hooper)

1. Practice ordering in English off of the menu.
2. Take a photo of the cafes and write the differences and similarities.
3. Speak to a stranger in each café in English and ask them some interesting question about their life. (Prepare a report about it)
4. Interview the barista about their special kind of coffee or beverage.

Project-2 (News Mantra)

Watch the evening news, choose a news story that has piqued your interest, and prepare a report on the news story

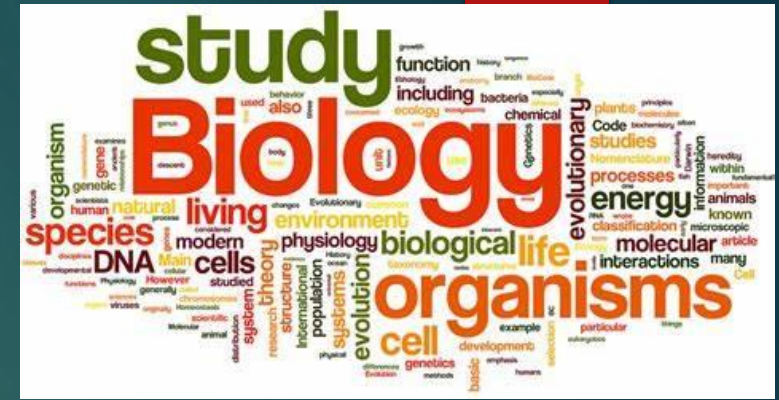
Write a dialogue in which a journalist interviews someone involved in the story.



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Biology



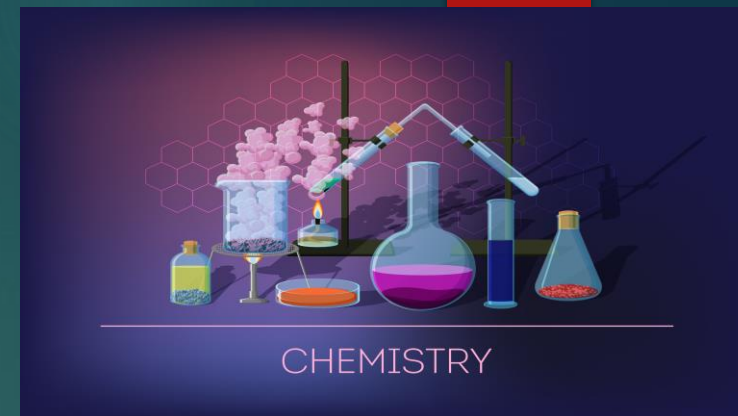
- Make an investigatory project file on any one selected topic according to your roll number.
 - A-Common Disease in human body (1 to 6)
 - B-Side effects of smoking (7 to 12)
 - C-AIDS (13 to 18)
 - D-CANCER (19 to 24)
 - E- BIO DIVERSITY (25 to 30)
- Write down the experiment number 1, 5, 6, 7, 8, 9 from the lab manual into your practical book.
- Learn unit one with complete diagram.



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Chemistry



PROJECT Scientific investigations involving laboratory testing and collecting information from other sources A few suggested Projects.

- 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 (carum), Illaichi (cardamom).
- Study of common food adulterants in fat, oil, butter, sugar, turmeric power, chilli powder and pepper.



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Hindi



क्रियाकलाप

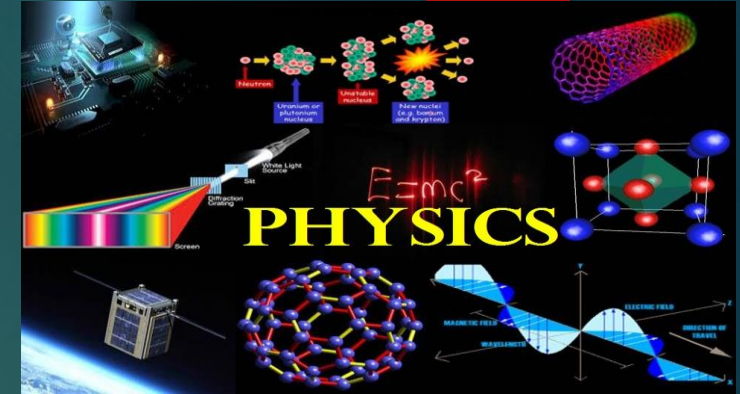
1. भक्ति काल की विविध धाराओं का परिचय देते हुए प्रत्येक के दो-दो कवियों का नामुल्लेख करके उनका पोस्टर बनाइये।
2. किसी भी समाचार पत्र के अंश को ध्यानपूर्वक पढ़िए और दिए गये समाचार में से ककार ढूँढ कर ए4 शीट पर लिखिए।
3. किसी क्षेत्र विशेष से जुड़े व्यक्ति से साक्षात्कार करने के लिए प्रश्न-सूची तैयार कीजिए, जैसे – संगीत/नृत्य, चित्रकला, शिक्षा, अभिनय, साहित्य, खेल। इनमें से किसी एक क्षेत्र का चयन करें।
4. संचार किसे कहते हैं? जन-संचार के माध्यमों पर प्रकाश डालते हुए किसी एक जन-संचार माध्यम का मॉडल तैयार कीजिए।



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Physics



1. MAKE A WORKING MODEL ON GIVEN TOPIC. ALSO MAKE A PROJECT FILE ON THE SELECTED TOPIC (ANY 1 TOPIC).

- 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://www.youtube.com/shorts/qD6As9_a2gk

AND MAKE PROJECT FILE ON THE SELECTED WORKING MODEL.

- WRITE ALL THE EXPERIMENTS IN YOUR PRACTICAL LAB MANUAL.
- MAKE A SEPARATE NOTEBOOK AND WRITE ALL THE IMPORTANT DERIVATIONS AND FORMULAS BASED NUMERICALS OF CHAPTER 1,2 AND 3.