



LAKSHYA UNIVERSAL ACADEMY

THDC COLONY, PARWAL DEHRADUN

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SUMMER HOLIDAY HOMEWORK

Project Work

Class 12th Science

SUBJECT- ENGLISH

SEQUENCE OF THE PROJECT

01. Front page: To be printed on paper
 02. Certificate: To be printed on paper
 03. Acknowledgement.
 04. Contents/Index.
 05. Preface / Forward
 06. Bibliography
1. Make an art integrated project on the topic A Thing of Beauty (Peom)
 2. In a separate notebook, write short biography of 5 Indian Authors of 19th century.

SUBJECT- HINDI

SEQUENCE OF THE PROJECT

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- भारतीय भारतीय सभ्यता संस्कृति और विरासत के बारे में जानकारी एकत्र करिए चित्र सहित उनके बारे में वर्णन करते हुए कलात्मक ढंग से एक कार्य परियोजना तैयार करिए।
 - कुछ प्रसिद्ध कहानीकारों के नाम लिखिए। उनकी प्रसिद्धि के बारे में जानकारी देते हुए अपने प्रसिद्ध कहानीकार विस्तार से बताते हुए आपको उनकी कौनसी कहानी प्रिय है और क्यों? कहानी का संक्षिप्त वर्णन करिए।
 - समस्तकार्य एक प्रोजेक्ट फाइल में कलात्मक और रचनात्मक ढंग से किया जाना अनिवार्य है।

SUBJECT- MATHEMATICS

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Activity

OBJECTIVE

- To verify that the relation R in the set L of all lines in a plane, defined by $R = \{(l, m) : l \perp m\}$ is symmetric but neither reflexive nor transitive.
- To verify that the relation R in the set L of all lines in a plane, defined by $R = \{(l, m) : l \parallel m\}$ is an equivalence relation.
- To explore the principal value of the function $\sin^{-1} x$ using a unit circle
- To find analytically the limit of a function $f(x)$ at $x = c$ and also to check the continuity of the function at that point.

SUBJECT- CHEMISTRY

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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.

SUBJECT – BIOLOGY

1. Complete all the assigned practical file work and draw neat and clean diagrams.
2. Make an investigatory project on the given topics.

Pallavi - Immunity

Srishti- Drug Addiction

Sneha - Pollination

Anjali - Infertility

Pawani - AIDS

Lucky - Microorganisms

Priyanshu– Cancer

Note: - Students will use the help of the internet for the making of herbarium file or contact the Teacher for support.

SUBJECT - PHYSICAL EDUCATION

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❖ Practical-1: Fitness tests administration.

❖ Practical-2: Procedure for Asanas, Benefits & Contraindication for any two Asanas for each lifestyle disease.

❖ Practical-3: Anyone one IOA recognised Sport/Game of choice. Labelled diagram of Field & Equipment. Also mention its Rules, Terminologies & Skills

SUBJECT- PHYSICS

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SUBJECT- COMPUTER SCIENCE

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