



From The Desk of The Director Principal - "Teachers can open the door, but you must enter it yourself." -Chinese proverb.

As we continue exploring career options, I am delighted to introduce a newsletter dedicated to subject-specific careers. In our rapidly changing world, it's important for students to understand the diverse professional opportunities available to them alongside academic knowledge. This newsletter aims to connect classroom learning with real-world applications by exploring various fields, offering insights and advice to inspire students as they plan their future careers.

From The Vice Principal - This newsletter edition will explore career paths related to specific subjects. Whether your interests lie in mathematics, biology, literature, computer science, or other fields, we will uncover the professional opportunities available in each area.

From The Career Counsellor - By providing comprehensive information about different career paths, we aim to help students feel confident and clear about their vocational pursuits. This newsletter will offer an overview of course combinations and career options available to those who have studied biology, chemistry, and physics at the high school level.

Biology:

Here are some popular course combinations: Course Combination | Career Prospects

B.Sc. (Hons.) - Botany, Zoology, Chemistry

Careers - Teaching, Research, Environmental Science, Pharmaceuticals

B.Sc. (Hons.) Biotechnology, Biochemistry, Microbiology Careers-Biotechnology Industry, Research

Laboratories, Pharmaceutical Companies

B.Sc. (Hons.) Biomedical Sciences

Career - Healthcare Industry, Medical Research, Diagnostics

B.Sc. (Hons.) Genetics

Career - Genetic Engineering, Genomics, Bioinformatics

B.Sc. (Hons.) Bioinformatics

Careers - Computational Biology, Data Analysis, **Bioinformatics Companies**





Chemistry:

Some popular course combinations for those who have studied Chemistry in Class 12:

Course Combination | Career Prospects

B.Sc. (Hons.) Chemistry, Physics, Mathematics Research and Development, Teaching, Chemical Industry

B.Tech. Chemical Engineering

Career- Chemical Manufacturing, Petrochemicals, **Environmental Engineering**

B.Sc. (Hons.) Biotechnology, Biochemistry, Microbiology

Career Pharmaceutical Industry, Research Laboratories, Food Processing

B.Sc. (Hons.) Forensic Science

Forensic Laboratories, Law Enforcement Agencies, Crime Scene Investigation

B.Sc. (Hons.) Industrial Chemistry

Chemical Industry, Quality Control, Production Management

Physics:

Some attractive course combinations: Physics: Some attractive course combinations: Course Combination | Career Prospects

B.Sc. (Hons.) Physics, Mathematics, Electronics Career- Research and Development, Teaching, Electronics Industry

B.Tech. Electrical Engineering

Career - Power Generation, Transmission, and

Distribution, Telecommunications

B.Tech. Mechanical Engineering |

Career - Automotive Industry, Manufacturing,

Robotics

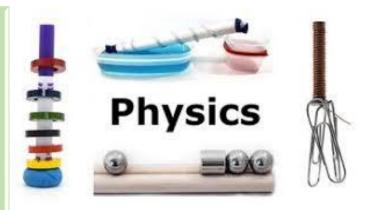
B.Sc. (Hons.) Astrophysics, Astronomy

Career - Space Research, Observatories, Planetary Exploration

B.Tech. Computer Science and Engineering

Career - Software Development, Artificial Intelligence,

Cybersecurity



It is important to note that these are just a few examples, and there are numerous other course combinations and career paths available. We encourage you to explore your interests, seek guidance from experienced counselors, and make an informed decision that aligns with your aspirations.

Over the next 6 to 8 years, there are likely to be some shifts in the relevance and demand for certain course combinations and career paths, both in India and globally. What might be highly relevant and what could potentially take a backseat in the coming years:

Highly Relevant:

Biotechnology, Biochemistry, and Bioinformatics: With the rapid advancements in fields like genetic engineering, genomics, and computational biology, courses combining Biology with Biotechnology, Biochemistry, and Bioinformatics are expected to remain highly relevant. The demand for professionals in these areas is likely to grow, driven by the need for innovations in healthcare, pharmaceuticals, agriculture, and environmental sciences.

Data Science and Computational Physics: The integration of Physics with Data Science, Computer Science, and Computational methods is anticipated to gain significant traction. As industries increasingly rely on data-driven decision-making and simulations, professionals with a strong background in Physics combined with computational skills will be highly sought after in areas such as scientific research, technology development, and advanced manufacturing.

Renewable Energy and Sustainable Technologies: With the global emphasis on sustainability and the need to address environmental challenges, course combinations focusing on Renewable Energy, Sustainable Materials, and Green Technologies are likely to become more relevant. These could include combinations of Physics, Chemistry, and Environmental Sciences, preparing students for careers in fields like solar energy, biofuels, and eco-friendly material development.

Interdisciplinary Approaches: In general, interdisciplinary course combinations that blend multiple domains, such as Biology with Computer Science, Chemistry with Materials Science, or Physics with Electrical Engineering, are expected to gain prominence. These combinations equip students with a diverse skillset and prepare them for the increasing demand for professionals who can tackle complex problems from multiple perspectives.





Events in April 2024

CUET Refresher Course General Test & English for Class 12 (Batch 2023-24) was held from 8th April to 15th April.

The Career Launcher program featured classes conducted in schools by expert faculty, spanning three hours daily. It offered a comprehensive exploration of General Test topics such as current affairs, general knowledge, quantitative reasoning, logical and analytical reasoning, general mental ability, and numerical ability. Additionally, students received mock-tests. The English section covered reading comprehension, verbal ability, and language skills. To excel in this section, faculty recommended focusing on vocabulary-building books, enhancing comprehension skills, and practicing with mock tests and past papers. Furthermore, students were briefed on the exam pattern, marking system, and strategies to succeed in the examination.





Profile Building

Profile building is a crucial aspect of the admission process for top universities, involving the development of projects and skills that can be showcased on your CV. Profile Building Sessions were organized by our Career Counselors in the Auditorium for students of Classes IX, X, and XI throughout the month of April. The objective was to highlight the importance of a strong profile and the types of activities that should be undertaken to build a holistic profile, such as internships, and participating in extracurricular activities, community service, certificate courses etc.





Mindler Career Guidance Program on April 18, 2024 for Students in Grades 10, 11 and 12

In today's era, careers are constantly evolving and unveiling new opportunities, presenting students with exciting avenues to explore.

To delve deeper into these innovative career paths, the online session aimed to provide valuable insights and guidance to the students as they navigate their academic and career paths. The expert gave insights into the promising new-age career options and how students can leverage them to their advantage.



