



## **Biology EduDAP Workshop on DNA Extraction and DNA Gel Electrophoresis**

**VENUE**

**Biology Laboratory, ITL Public School, Sec9 , Dwarka**

**ORGANISED BY**

**ITL Public School**

**CONDUCTED BY**

**Directors of EduDAP- 1. Mr. Dhruv Saini  
2. Mr. Praveen Tiwari**

**Trainer of EduDAP - 1. Mr. Almaz Zaki**

**PARTICIPANTS**

**Medical Stream (XI & XII Biology Students)**

**Date of conduction**

**July 13,2023**



**BIOLOGY WORKSHOP ON MOLECULAR BIOLOGY IN COLLABORATION WITH EduDAP AT  
ITL PUBLIC SCHOOL.**

ITL Public School organized a **one day workshop** for the Medical Stream (XI& XII Biology students) in collaboration with EduDAP. EduDAP is a practical education program which aim at enhancing understanding of science at the school level. The program was in compliance with the curriculum taught in school and provided the students with a practical view of the subject. It provided students with hands-on experience on "DNA Isolation and Agarose Gel Electrophoresis".

The workshop included modules on Molecular biology in which the students extracted DNA from a plant source, purified it and saw separate fragments through gel electrophoresis. They learnt how to handle the equipment's properly used at research level such as Ultracentrifuge, Trans illuminator, Vortex Shaker etc. It oriented the students with the structure of cell, the chemical composition of DNA and the process of lysing a cell. The workshop aimed to provide students with experience on laboratory



equipment, precision and refined technique, critical analytical skills and precautions use of reagents while performing experiments, all of which are essential to enhance the individual capabilities of students, encouraging them to work in research and experience a short snippet of molecular biology laboratory work.

The workshop was concluded with a career exploration event which provided the students with valuable information regarding the numerous and diverse career opportunities in the field of life sciences that one can pursue.

It was a great experience that provided students with an extra edge on the subject.





