

## **DNA UNLOCKED: FROM TEXTBOOKS TO TEST TUBES**

**ACTIVITY: Crack the DNA Code**

**DATE: 29 August 2025**

**CONDUCTED BY: Class 12**

Today, the young scientists of **Class XII** stepped into the fascinating world of molecular biology by performing a **DNA isolation experiment**. Using simple everyday agents like **salt and detergent**, they unlocked the hidden blueprint of life from within cells.

The activity transformed abstract textbook concepts into a **hands-on scientific adventure**, where students could actually see the thread-like structure of DNA that holds the secrets of heredity. It was a moment of awe and excitement as the invisible became visible before their eyes.

This practical experience not only deepened their understanding of biology but also ignited their curiosity, showing them how **experiments bridge the gap between knowledge and discovery**.

