

## PHYSICS IN ACTION: METER BRIDGE ACTIVITY

**ACTIVITY: Meter Bridge Activity**

**DATE: 22 April 2026**

**CONDUCTED BY: Class XII**

Students of Class 12B visited the Physics Laboratory to perform the **Meter Bridge Experiment**, providing them with an opportunity to apply theoretical concepts through practical investigation. The experiment aimed to help students understand the principles of electrical resistance and the use of a meter bridge for accurate measurements.

During the activity, students carefully assembled the apparatus, took observations, and analyzed the balance point to determine the unknown resistance. The hands-on experience enabled them to strengthen their understanding of concepts related to electric circuits, resistance, and experimental techniques.

The laboratory session encouraged scientific inquiry, precision, and analytical thinking while enhancing students' practical skills. Through direct experimentation, they gained valuable experience in handling laboratory equipment, recording observations, and drawing meaningful conclusions from their results.

The activity successfully bridged the gap between classroom learning and practical application, making the study of physics more engaging, interactive, and meaningful.

