Club project spotlights :

- Piezoelectric foot tile, Breath Analyser made from simple materials.
- Water saving guidelines placed in school washrooms.
- Eco Club Activities highlighted the importance of water conservation and development of scientific temperament among students.

Student Voices :
"We learned something new and practical" - Jaisika Sandhu
"Water-saving felt easy to follow" - Manyaveer Kaur
"Explaining our model was exciting" - Isharjot Singh
"Small ideas created real change" - Harsimrat Kaur

Project Report and Skill Development

DEEPER DIVE

POONAM BHATIA- 10/12/2025

Project Goals:

- To demonstrate how piezoelectric materials can generate measurable signals in a breath analyser model.
- To build awareness about water conservation through simple, student-friendly guidelines.
- To integrate scientific concepts with real-life environmental needs. To promote creative model-making using recyclable and low-cost materials.

Process/ Steps:

• Demonstrate the working of a piezoelectric breath analyser.
•Promote water conservation through simple student-made. guidelines.
• Connect scientific concepts with practical environmental solutions.
• Encourage model-making using recyclable materials.

Skills Learned :

• Basic understanding of piezoelectric sensors.
• Awareness about water conservation.
• Teamwork and collaborative planning.
• Simple communication and presentation skills.

Challenges and solutions :

- Sensor basics → Learned smoothly through step-by-step practice.
- Material search → Smartly used recyclable, low-cost items.
- Water-saving ideas → Crafted clear, student-friendly guidelines.

Meet the Team :

Manyaveer Kaur
XI A

Jaskeerat Singh
XI A

Isharjot Singh
IX E

Harsimrat Kaur VIII G

Jaisika Sandhu
VIII G

Gurshan Singh
VIII F