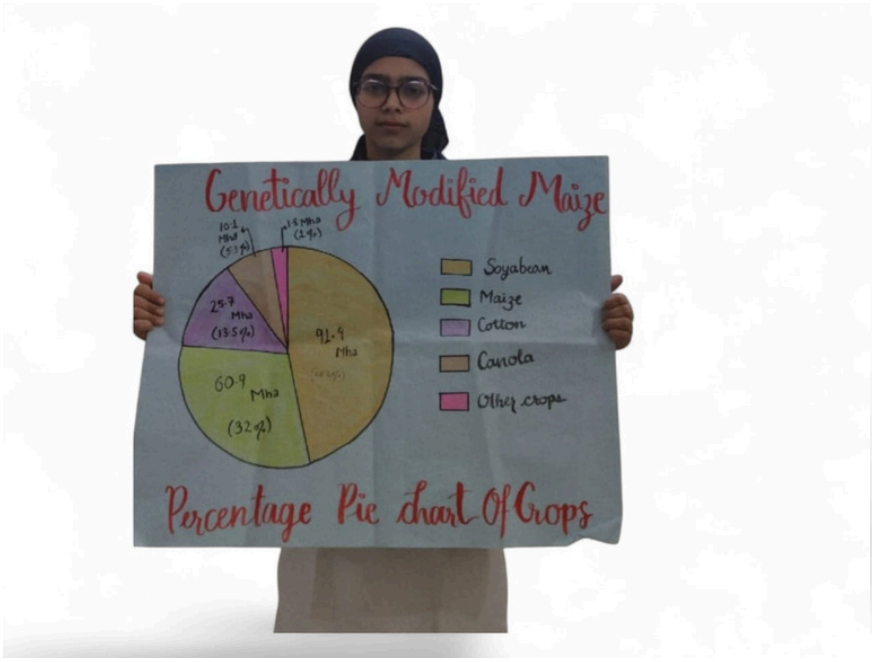
Edible Elements Club

Club project spotlights:

- **Our Edible Elements Club conducted a detailed study of maize plant anatomy, identifying the plant parts most affected by the Fall Armyworm and linking these observations to prior learning on GM crops. Students also compared the Fall Armyworm with the Stem Borer to understand differences in feeding behavior and crop damage. This project reinforced the importance of targeted pest management strategies in sustainable agriculture.**



Student Voices:

- **Students reflected that identifying the most affected parts of the maize plant helped them understand crop failure during pest attacks. They also recognized how GM maize protects vital plant parts, especially leaves essential for growth.**

Project Report and Skill Development

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Ms. LOVEPREET KAUR- 13/01/2026

Project Goals:

- To study the functions of maize plant parts and identify the plant part most affected by the Fall Armyworm.
- To relate pest damage to GM crop resistance
- To compare Fall Armyworm with other maize pests

Process/ Steps:

- Studied maize plant diagrams and real samples.
- Compared Fall Armyworm and Stem Borer feeding behavior
- Discussed GM maize protection of vulnerable plant parts

Skills Learned :

- Understanding of plant anatomy and pest–plant interaction
- Observation and analytical skills
- Scientific comparison and reasoning
- Team discussion and presentation skills

Challenges and solutions :

- Identifying the exact plant part most affected by the Fall Armyworm was initially challenging. Students found it difficult to distinguish between normal leaf damage and pest-specific injury.
- By using labeled diagrams, images, and group discussions, they were able to clearly identify the whorl and young leaves as the most vulnerable parts. Comparing Fall Armyworm with Stem Borer further clarified pest behavior and damage patterns.

Meet the Team :

Jasmeen Kaur
VII A

Navya
VII C

Gurleen Kaur
VII C

Harsukhman Kaur
VII A

Sahib Singh
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