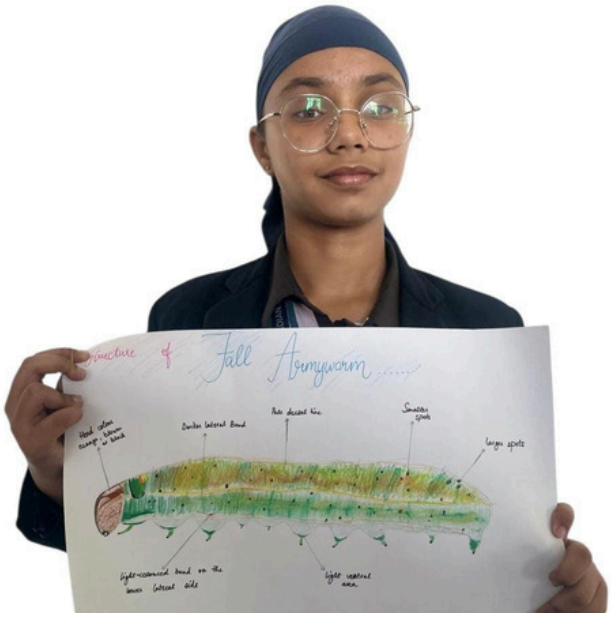
Edible Elements Club

Club project spotlights:

- **Our Edible Elements Club studied maize cultivation and the impact of pests, especially Fall Armyworm. Students reviewed literature, created charts, and explored maize's natural biochemical defenses against insect damage. The project helped them understand sustainable crop protection and how plant science can reduce reliance on chemical pesticides.**



Student Voices:

- **Our students enjoyed hands-on learning about maize and pests, gaining an understanding of plant defenses and pest behavior that helps them appreciate how farmers naturally protect food crops.**

Project Report and Skill Development

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Ms. LOVEPREET KAUR- 14/11/2025

Project Goals:

- To introduce students to maize as food crop.
- To understand Fall Armyworm and its life cycle.
- To explore maize plants defend themselves with biochemical signals against various insect pests.
- To encourage students to design future eco-friendly crop protection ideas inspired by plants.

Process/ Steps:

- Reviewed visual data on maize cultivation.
- Conducted a study on the Fall Armyworm, focusing on its life cycle and damage stages.

Skills Learned :

- Understanding of agricultural challenges.
- Basic plant anatomy and early concepts of biochemistry in plants

Challenges and solutions :

- It was difficult to understand and organise the scientific information from different sources because the content was complex, detailed, and sometimes presented in different ways.
- By simplifying scientific ideas, comparing sources and organising information, we successfully created clear and meaningful charts about maize, fall armyworm, and natural plant defenses.

Meet the Team :

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VII F

Navya
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Gurleen Kaur
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