

All about B.C. (Secondary)

Apples



For this activity you'll want to refer to the "All About B.C. Apples" poster and slides from from the [Feed BC in K-12](#) website.

- Draw a circle on the map showing where you live in B.C.
- After learning more about B.C. apples, draw an 'X' where our featured farmer is located.
- Shade or colour in where the majority of apples are produced in the province.

1) Crab apples, which can be native to B.C., are often planted by farmers in their orchards alongside other varieties of apples. Why do farmers do this? Circle the correct answer.

- A) To provide shade for the other apple trees
- B) To attract deer away from the main apple crop
- C) To serve as pollinizers and improve apple production
- D) To increase soil acidity for better apple growth

2) B.C. is home to a wide variety of delicious apples. Can you name **five** different apple varieties grown in the province? List them below:

1. _____
2. _____
3. _____
4. _____
5. _____



3) Match the apple orchard practice with its correct definition:

Practice:

Definitions:

1. Grafting

A) The process of removing unwanted or excess branches to improve tree health and fruit production.

2. Pruning

B) A method of training apple trees to grow in a flat, two-dimensional pattern against a support structure

3. Thinning

C) The technique of attaching a branch or bud of one apple tree to the rootstock of another to combine desirable traits.

4. Espalier

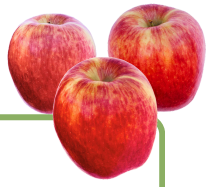
D) The transfer of pollen from one flower to another to facilitate fruit production.

5. Pollination

E) The removal of excess fruit to ensure the remaining apples grow larger and healthier.

4) Apple breeding is a long-term endeavor, with some new varieties taking up to 25 years to develop. What is your favorite apple variety? Research its history and describe when, where, and how it was developed below.

All about B.C. Apples - Teacher Resources



Background Resources:

- [All About B.C. Apples Poster](#)
- [All About B.C. Apples Scrolling Slideshow](#)
- [Buy BC Apples](#)
- [BC Apples Deliciously Crisp](#)
- [Virtual Apple Orchard Tour](#)
- [Apple Pruning Video](#)

Answer Key:

1) C) To serve as pollinizers and improve apple production

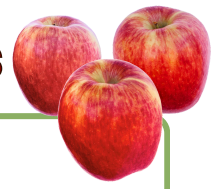
2) Common apple varieties grown in B.C. include: Ambrosia, Honeycrisp, Red Delicious, Golden Delicious, Royal Gala, McIntosh, Spartan, Jonagold, Braeburn, Fuji, crab apples, and more.

3)

1. Grafting - C
2. Pruning - A
3. Thinning - E
4. Espalier - B
5. Pollination - D

4) Answers will vary.

All about B.C. Apples - Teacher Resources



Curriculum Connections - Secondary

Applied Design, Skills and Technologies

Food Studies

- Local food systems (8,9)

Culinary Arts

- Food products available locally via agriculture, fishing, and foraging, and their culinary properties (10)
- B.C. agricultural practices (11)
- Characteristics and properties of culinary ingredients (12)
- Identify, analyze and evaluate the influences of land, natural resources, and culture on the development and use of culinary ingredients, tools, and technologies (8-12)

Science

- Reproduction (8&9)
- DNA structure and function, applied genetics (10)
- Natural and artificial selection, and genetic modifications (10, Environmental Science 11)
- Express and reflect on a variety of experiences, perspectives, and worldviews through place (Life Sciences 11, Environmental Science 11&12)

Social Studies

- Use Social Studies inquiry processes and skills to ask questions; gather, interpret, and analyze ideas; and communicate findings and decisions. (8-12)

English Language Arts

- Strategies and processes; reading strategies; oral language strategies; writing strategies (7-9)
- Synthesize ideas from a variety of sources to build understanding (8&9)
- Apply appropriate strategies to comprehend written, oral, and visual texts, guide inquiry, and extend thinking (8&9)
- Transform ideas and information to create original texts. (8&9)
- Respond to text in personal, creative, and critical ways (8&9)
- Express an opinion and support it with credible evidence (9)

Physical and Health Education

- potential short-term and long-term consequences of health decisions, including those involving nutrition (8&9)
- sources of health information (8&9)
- Identify factors that influence health messages from a variety of sources, and analyze their influence on behaviour (9)