

# Agriculture/Agrifood 11

*Outcomes*

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## Specific Curriculum Outcomes

Students will be expected to

### Module 1: Connections Factors, Experiments, and Lives (15%)

#### INVESTIGATIONS

- investigate and explain abiotic and biotic factors that influence agriculture (AG-01)
- design and perform plant experiments using different variables and proper equipment (AG-02)
- examine and explain a compost heap and report on its use (AG-03)

#### AN OVERVIEW

- identify with examples of Nova Scotia agricultural commodities, activities, and careers, connecting these locally, nationally, and globally (AG-04)

### Module 2: Primary Production Systems (30%)

#### ANIMAL AND/OR PLANT SCIENCE

- identify a farm to explore, collect data, and report findings (AG-05)
- explain how the organism on the farm lives and grows (AG-06)
- compare and contrast what can be produced locally with a different global climate (AG-07)

#### INDUSTRIES, PRODUCTION, AND TECHNOLOGY

- explore how supply and demand can affect the production of the commodity (AG-08)
- indicate careers and technologies that have developed to aid industries and production of the commodity (AG-09)
- explain the relationships among the variables (space, food, population, and health) for livestock and/or plant farming (AG-10)

### Module 3: Support Systems (20%)

#### FARM SUPPORTS

- compare and contrast the production of various farms (AG-11)
- identify the range of roles in supporting infrastructure at the farm, provincial, national, and international levels (AG-12)
- explain how effective management increases efficiency and responsible farming practices (AG-13)

**SOCIETY AND ENVIRONMENT CONNECTIONS**

- compare the risks and benefits to society and the environment of production while maintaining health, preventing pests and diseases, and supply and demand (AG-14)
- explain how funding, regulations, and quotas affect farming (AG-15)

Choose one of either Module 4 or Module 5.

**Module 4: Beyond the Farm Gate (15%)****FROM FARM TO THE CONSUMER**

- differentiate how management, production, and marketing has evolved locally and globally (AG-16)
- identify and explain processes on how to get the product to the consumer (AG-17)

**VALUE OF THE PRODUCT**

- examine how the value of a product can be increased and promoted (AG-18)
- synthesize information and present their findings on the effects on farming and production with respect to policies, regulations, and career regulations (AG-19)

**Module 5: Foods (15%)****PRODUCTION AND SAFETY**

- investigate food production techniques and explain their effectiveness (AG-20)
- compare food safety regulations and processes locally and compare globally (AG-21)

**FROM LOCAL TO NATIONAL TO GLOBAL**

- identify local products and compare them with similar products that are produced globally (AG-22)
- compile production information of a similar product produced both locally and globally (AG-23)

**Module 6: Agriculture/AgriFood Project (20%)****DESIGNING AN INVESTIGATION**

- identify questions to investigate that include economy, environment, culture, and social aspects (AG-24)
- design an investigation, identifying and controlling major variables, that collects evidence from various perspectives (AG-25)

**PERFORMING AND PRESENTING**

- perform an investigation, using appropriate tools, and record information (AG-26)
- respond to the investigation's findings and propose a course of action, taking into account various needs (AG-27)