



McCreary School

Agriculture 30S Course Outline

Teacher: Mr. Nadeau

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Semester: 1 Course Schedule: 8:52-10:04am

Course Designation: 30S Credit Value: 0.5 half credit

Level: Grade 11 Prerequisites: None Course Code: 0201

Course Purpose:

This course provides information about agriculture in Manitoba. Agriculture involves many different dimensions and draws upon the knowledge base of a variety of disciplines. The study of agriculture provides us with knowledge and understanding of agricultural processes, and is also useful in providing information related to career choices. Grade 11 Agriculture examines historical perspectives of agriculture in the province, as well as present concerns and trends. The past, present, and future of agriculture are an important part of this course as they relate to Manitoba's economy, social and cultural development, consumer habits, and politics.

Course Description:

The course examines the physical and climatic features of Manitoba, the resource base, soil management practices, crop varieties, and plant and animal science. The course aims to strengthen positive attitudes towards the responsible and sustainable use of existing resources. Grade 11 Agriculture contains four main areas of study covered throughout the course:

- Cluster 1 – Manitoba Agriculture: An Overview
- Cluster 2 – Soil Science
- Cluster 3 – Plant Science
- Cluster 4 – Animal Agriculture in Manitoba

Required Materials:

- ✓ Binder
- ✓ Loose Leaf
- ✓ Pencils/Pens (both red and blue)

Course Themes:

Cluster 1 – Manitoba Agriculture: An Overview

An introduction to the themes, ideas, and concepts related to agriculture in Manitoba. You will look at geology and geography, animal, plant and soil resources in the province, the historical development of agriculture in Manitoba and agricultural trends for the future.

Cluster 2 – Soil Science

You will learn about the nature and composition of soils in Manitoba, the effects of soil on plant and animal life and soil management practices. You will also learn about issues related to sustainable development such as conservation tillage and soil-related problems, such as leaching and salinity.

Cluster 3 – Plant Science

Plant science is an important component of agriculture in Manitoba. In this cluster you will learn about the physiology of plants and the factors that affect plant growth and reproduction. The many varieties of plants grown in Manitoba will be discussed as well as various plant management techniques.

Cluster 4 – Animal Agriculture in Manitoba

Livestock is extremely important to agricultural producers and consumers in Manitoba. Manitobans rely upon livestock as an important food source, as well as a source for many other products. We will look at the great variety of animals raised in Manitoba, how animal products are used, the economic impacts of livestock production, marketing issues, the major livestock and poultry industries in Manitoba, husbandry methods used in Manitoba and the principles of breeding and selection.

Course Unit Pacing:

Unit 1: Manitoba Agriculture: An Overview (Sept 4- Oct 4)

- History of Agriculture: Where we came from
- Components of Agriculture
- Ag related careers
- Resources: Renewable vs. non-renewable
- Useful conversions
- Manitoba Physical and Climatic features



Unit 2: Soil Science (Oct 7- Nov 8)

- Composition of soils
- Effect on plants and animals
- Soil Management Practices

Unit 3: Plant Science (Nov 11-Dec 20)

- Plant Intro
- Classification and basic anatomy
- Growth and reproduction (Germination)
- Varieties in Manitoba
- Plant Management

Unit 4: Animal Agriculture in Manitoba (Jan 6-Jan 27)

- Types of animals
- Its more than just the meat
- Animal management
- Future planning
- Hybrid farming styles

Assessment and Evaluation Strategies:

The purpose of assessment and evaluation is to improve student learning. Assessment and evaluation is based on the provincial curriculum expectations and the achievement levels outlined in the curriculum document. In order to ensure that assessment and evaluation are valid and reliable, and that they lead to the improvement of student learning, teachers use a variety of strategies throughout the course, including: providing students with feedback about their work (known as assessment for learning), helping to set learning goals and monitor their own progress (known as assessment as learning), and evaluation and reporting of progress in the form of grades and marks (known as assessment of learning).



Assessment Evaluation: “How will I be marked in this course?”

Work throughout the course is cumulative throughout the year. Marks will be assessed using both summative and formative approaches which include the following:

Class Participation/Discussions – 10%

- Daily engagement and participation in learning through discussions in class.
- Completion of assigned work

Course Work- 50%

- Daily Assignments, Projects, Homework

Tests- 20%

- Tests, quizzes, and summative assignments.

Final Project- 20%

- Cumulative project that encompasses all of the courses learning in a final summative project.

Classroom Expectations for Students:

- Students are expected to arrive for class on time and prepared (with all required materials).
- If a student must be absent from class, prior notice should be given, and any missed work must be completed immediately after the student returns to class. It is the student's responsibility to ensure all missed work is completed.
- This is a senior high school course, and students are expected to behave as responsible young adults. As principal duties may require my absence from class on occasion, students are expected to be able to work independently and with limited supervision. This includes being self-sufficient on occasions where I am unable to attend the start of class or am called away during scheduled class time.

All members of the classroom will:

- Commit to making the classroom a safe space, including respecting the opinions, ideas, and culture of all others.
- Respect the right of all others to learn in an environment that is free of distractions.
- Attend class regularly, on time, and prepared for all classes.
- Be Productive - Complete all work and turn it in on time.
- Homework is a part of the high school experience and is required to be completed when assigned or when projects/class work is not able to be completed in class.
- Participate to the best of your abilities in the course/class activities.
- All notes are to be kept neatly, dated and in order. Students are reminded that their notebooks are their only sources of references/study for tests and examinations.

Cell Phone Policy: Cell phones and personal devices are prohibited in class.

Plagiarism/Cheating Policy:

The school handbook outlines the expectations in regards to academic dishonesty (If at any time you are unsure about an assignment it is the student's responsibility to ask for clarification), attendance and the use of technology.

1st offence- The student will receive a zero (0) on the assignment. A phone call/email will be sent to the parent/guardian.

2nd offence- A letter will also be sent home to the parent/guardian. The parent/guardian must sign the letter and return it to the school. The student will receive a zero (0) on the assignment.

3rd offence- The student will receive a zero (0) on their assignment and they will be referred to the principle for further disciplinary action. A meeting will need to be arranged with the parent/guardian to address the severity of this issue.

Late and Missed Assignments - Student Roles and Responsibilities

Students are expected to hand in assignments on the due date. Late assignments will only be accepted by the teacher's discretion. It is up to the student to communicate with the teacher if they cannot complete the assignment on the expected due date. Continual tardiness may result in a loss of marks.

Students are also expected to be responsible for providing evidence of their achievement of the overall expectations within the time frame specified by the teacher, and in a form approved by the teacher; understand that there will be consequences for not completing assignments for evaluation and/ or for submitting those assignments late; use class time productively; in extenuating circumstances, request an extension from the teacher before the due date. *Mark deductions for late and missed assignments may apply.*

