



Cedar Community Secondary School

Home of the Spartans

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Grade 9 Course

CALENDAR

2024 - 2025

This document is available on our school website.

COURSE PLANNING INFORMATION

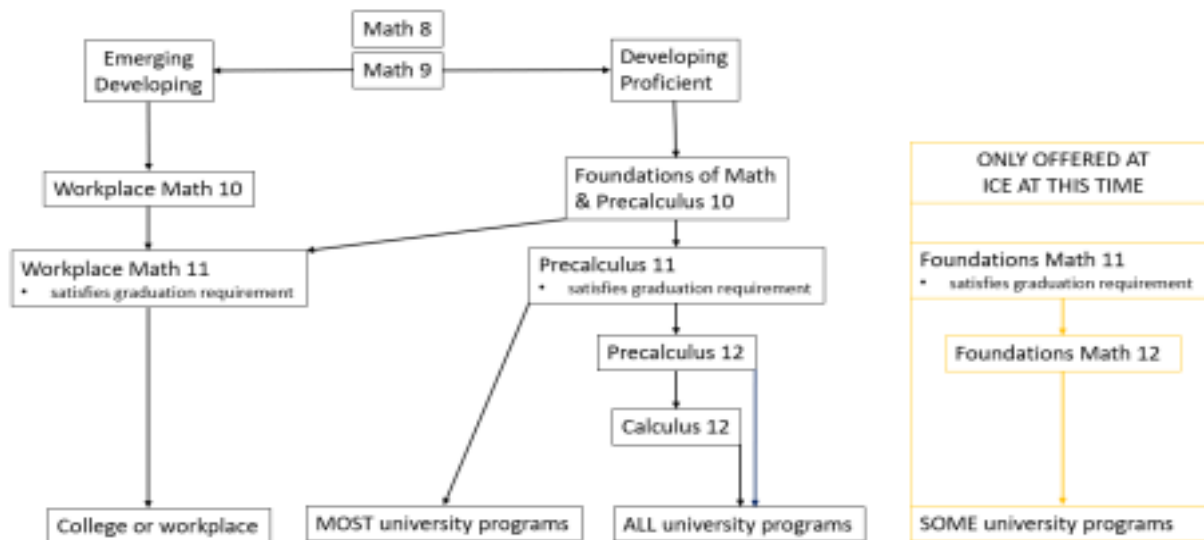
This catalogue has been prepared to assist students with their program planning. Grade 9 is exploratory in nature, allowing students to sample courses in a number of areas while providing a strong academic foundation.

Students are asked to select their courses in the spring term for the next school year. On the basis of these requests a timetable is built and staffing decisions are made. Therefore, it is often not possible for students to change their timetables during the new school year. Students must make careful choices when selecting courses.

Required courses in grade 9 are:

- English 9
- Social Studies 9
- Math 9
- Science 9
- Physical and Health Education 9

MATHEMATICS



MATH 9

Content: rational numbers, exponents, polynomials, linear relations and equations, spatial proportional reasoning, statistics and budgets/transactions.

Big Ideas:

- The principles and processes underlying operations with numbers apply equally to algebraic situations and can be described and analyzed.⁴
- Computational fluency and flexibility with numbers extend to operations with rational numbers.
- Continuous linear relationships can be identified and represented in many connected ways to identify regularities and make generalizations.
- Similar shapes have proportional relationships that can be described, measured, and compared.
- Analyzing the validity, reliability, and representation of data enables us to compare and interpret.

Students should achieve **Proficient (PRF)** or **Extending (EXT)** to ensure success in Foundations of Math and Pre-Calculus 10 .

ENGLISH

English Language Arts 9

English 9 continues the aims and goals of the English Language Arts program as set out in grade 8, using increasingly complex texts and tasks. Emphasis is put on developing skills in reading and viewing for information; thinking and organizing; and writing, and presenting, so that students improve their ability to connect, comprehend, communicate and create. Conventions and literary devices are reviewed, and more complex terms, techniques and usages are introduced.

PHYSICAL HEALTH & EDUCATION

Physical and Health Education (PHE) 9

This course builds upon the learning experiences from the PHE 8 course and enables students to continue to develop and enhance their physical literacy levels and develop a stronger understanding of various factors that influence personal health decisions and their potential influences. Students will actively participate in a variety of units including both team and individual sports such as volleyball, basketball, soccer, softball, football, ultimate, ball hockey, track & field, badminton, dance, gymnastics, weight training, and health education.

SCIENCE

collective scientific knowledge. Aware that our scientific knowledge is provisional and is influenced by our culture, values, and ethics, we can link traditional and contemporary Aboriginal understandings with current scientific knowledge to enable us to make meaningful connections to our everyday lives and the world beyond.

Goals

Students are expected to develop:

- An understanding and appreciation of the nature of science as an evidence-based way of knowing the natural world • Place-based knowledge and experiences about the natural world in the area in which they live by accessing and building on existing understandings, including those of local First Peoples
- A solid foundation of conceptual and procedural knowledge in biology, chemistry, physics, and earth and space sciences that they can use to interpret the natural world and apply to new problems, issues, and events, to further learning and to their lives • The habits of mind associated with science — a sustained curiosity; a valuing of questions; an openness to new ideas and consideration of alternatives; an appreciation of evidence; an awareness of assumptions and a questioning of given information; a healthy, informed skepticism; a seeking of patterns, connections, and understanding; and a consideration of social, ethical, and environmental implications
- A lifelong interest in science and the attitudes that will make them scientifically literate citizens who bring a scientific perspective, as appropriate, to social, moral, and ethical decisions and actions in their own lives, culture, and the environment.

Science 9

This course is organized around these four BIG IDEAS:

1. Cells are derived from cells.
2. The electron arrangement of atoms impacts their chemical nature.
3. Electric current is the flow of electric charge.
4. The biosphere, geosphere, hydrosphere, and atmosphere are interconnected, as matter cycles and energy flows through them.

SOCIAL STUDIES

Social Studies 9 (1750 – 1919)

Social Studies 9 contributes to the important goal of preparing students for their lives as Canadian citizens and members of the international community. It continues from Grade 8 Social Studies studying major events in history from 1750 – 1919. There is a focus on the development of the culture, politics, economy technology and the environment in emerging global civilizations. Specific topics that are open for examination are the importance of the concept of ‘revolution’ in the development of government, the impact of colonization on indigenous and immigrant peoples, the development, adaptation and influence of technologies on societies, and the impact these have on the resources of the global environment.

CAREER EDUCATION

Career Education 9

Careers 9 allows students to reflect on their preferences, skills and career goals. It provides students with opportunities to recognize the value of work, perseverance and effort, and the importance of the educational choices they are making.

ELECTIVE COURSES

LANGUAGES

French 9

This course builds upon basic French skills. Students will improve their competencies in conversing and comprehending spoken French. They learn to express themselves in the past as well as in the future, and in so doing begin to really see how language learning develops.

APPLIED DESIGN, SKILLS AND TECHNOLOGY

Information Technology 9

In this course, students will develop an understanding of the fundamentals of information literacy and the tools required to prepare for, and participate in, an evolving information-based society. The course will focus on the student as both a user of software (i.e. MS Office) and a developer (i.e. Computer Programming). Basic-to-moderate computer literacy is a focus of this course.

- Basic computer literacy (file and folder management, hardware and software)
- Keyboarding
- Use of ‘essential’ software: MS Word, Excel
- Digital cameras, imagery and media development
- Flash animation and 3D animation
- Web site creation
- Software programming basics

Information Technology 9 enhances a student’s skill to develop, critique, and publish professional-looking digital documents, media, and programs, using industry standard software.

TECHNOLOGY EDUCATION

Woodwork 9

Students will work creatively with a variety of wood. Emphasis will be on safe use of hand and power tools. Students will explore ways to laminate, shape and inlay wood into aesthetically pleasing and functional projects. Major projects constitute the beginning of a larger bedroom and living room set.

Power Technology Education 9

Students will design and build mechanisms and small vehicles to explore various aspects of powertrains. Some key concepts are energy transmission, efficiency, fuel types, and effects of forces on devices.

Images are central to the Visual Arts. In these programs, students have the opportunity to perceive, respond to, and create and communicate through images. In developing images, the student will be involved in the design process - a purposeful artistic activity involving use of a variety of materials, technologies, and processes to organize visual elements according to the principles of art and design. Marking is based on a process of self-evaluation and participation

HOME ECONOMICS

Food Studies 9

The Basics of Cuisine – Basic skills will be built upon as the culinary world is opened up to include new techniques and methods of preparation. Cooking principles of fruit, vegetables, eggs, milk, cheese, meats, baking skills and foods for entertaining will be covered. Specific areas will include food safety, planning, preparing and presenting of nutritious foods and meals (breakfast, lunch, dinner and snacks). Health, economic and environmental factors that influence availability and choice of food in personal, local, First Peoples and global contexts will also be considered.

VISUAL DESIGN AND PERFORMING ARTS

ART 9

We barely got our engine's revving in Art 8. Art 9 is a chock-a-block semester full of drawing, painting, sculpting, printmaking, and more. We are going to kick some serious arts in this class.

Digital Photography 9

This course teaches the use of digital cameras in regards to proper exposure, shutter speeds, apertures and artistic composition. The elements of design will be stressed and put into practice while taking images. Students will learn computer file management skills as well as post production techniques in Photoshop, the leading industry standard software used in creating digital imagery.

Drama 9

This course introduces students to foundational performance skills. Students will explore drama elements, techniques, and vocabulary, to convey personal and social ideas through performance. They will create, perform, and respond to theatre and story-based performance.

Beginners Concert Band 9 (For students with no band experience)

Teaching the fundamental skills to learn to play an instrument. In addition, techniques pertaining to ensemble playing will be developed and refined such as an introduction to intonation, blend, balance, rhythmic accuracy, articulation and dynamics. This group will further explore and perform music of different genres and cultural influences. Performance opportunities may include a band trip.

Concert Band 9 (Prerequisite is Concert Band 8)

The fundamental skills learned in Concert Band 8 will be developed further. In addition, techniques pertaining to ensemble playing will be developed and refined such as intonation, blend, balance, rhythmic accuracy, articulation and dynamics. This group will further explore and perform music of different genres and cultural influences. Performance opportunities will be the same as Grade 8 and may include a band trip.

Choir 9

Choir is fast paced and up tempo, usually. It is a vibrant and fun learning experience and also allows for self-expression. Nearly any of your favorite tunes can be arranged for choral performance. In Choir students will learn to read and perform music in a variety of styles, including but not limited to pop, rock, swing, African, Latin, other world music, and classical. They will learn individual and ensemble technical voice skills. Ex. Belting, scat, vibrato, intonation, balance, and blend, a capella harmonies, and performing with mics and instruments. Pre-recorded parts will allow students at home practice without the ensemble in order to be ready for group rehearsal time. **No vocal experience is necessary. You will be trained.** Teamwork is a key ingredient to a choir's success.

ACTIVE LIVING

Volleyball 9

This elective course is designed to provide students with an opportunity to improve their skills through sport. Students will develop, refine and apply movement skills and strategies in a variety of physical activities and environments. Sport specific performance training is also included. Students will have the opportunity to learn the rules of the sport and will be able to act as minor officials in the league and tournaments. Introductory coaching techniques will be taught and students will have the opportunity to demonstrated leadership in and out of the class.

Outdoor Education 9

Outdoor Education 9 is an active and fun course that is designed to enable students to develop an understanding and appreciation of various types of outdoor activities. Possible activities students in this course may engage in are: local seashore hikes, local mountain hikes, canoeing, rock climbing, orienteering and camping. The course will combine outside time with classroom instruction. There will be instruction in basic first aid, knot tying, principles of Leave No Trace, fishing, water safety, winter safety, conservation, hiking and camping preparation. This course is designed for students that enjoy or want to explore recreational outdoor activities and adventures. Regular hikes/walks and field trips are planned to further enhance the outdoor experience.