Grade Nine Course Handbook

WINDSOR PARK COLLEGIATE

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Grade Nine Worksheet

This form is provided as a worksheet. This information is to be transferred to the Course Selection Sheet when you sign up for courses.

All Grade 9 students are expected to take 9 credits: 5 compulsory (in bold), one compulsory elective and 3 more electives. A compulsory course is a course that MUST be completed in order to graduate.

Grade Nine Compulsory Courses will be Year-long
English 10F
Mathematics 10F
Canada in the Contemporary World 10F
Science 10F
Physical Education 10F
Reading is Thinking
Elective
Elective
Elective
9 Credits

List 5 electives in order of priority. Grade 9 electives and descriptions are located in the course handbook online. Students will be timetabled for their compulsory credits and then 3 of the 5 electives.

Electives:

Elective 1	**Elective 2**	**Elective 3**	**Elective 4**	**Elective 5**

Important Note:

If a student does not complete the requirements of a compulsory course, they will have to repeat the course at a later.

Course Registration Instructions: (Grade 9)

The following are some of the details of what needs to be done and what will happen over the next few months as your student enrolls at WPC.

Step One: Read through the list of Grade 9 compulsory and elective courses.

Step Two: Decide on 5 elective courses which should be numbered in order of priority (Do not include English 10F, Mathematics 10F, Science 10F, Canada in the Contemporary World 10F, Physical Education 10F or Reading is Thinking. These are compulsory courses and will automatically be included in a student's course load). *Note: Transitional Math is an elective course.

Step Three: In February, all students will receive a Course Request Worksheet and internet usage sheet from their SAGE teacher. You are invited to the WPC Parent Information Evening at Windsor Park Collegiate in February. This will give you and parent/guardians the opportunity to review the options to help make informed decisions.

Step Four: Sign and return Course Selection Sheet, internet usage agreement, photo release and cleanse forms. Students will need to pay $90 student fees at the beginning of the school year.

Step Five: Timetables and opening day information will be posted to the Portal.

Important Note:
All students will be enrolled in 9 courses: 5 compulsory, one compulsory elective and three electives from their list. Once choices have been made and finalized, classes will be organized, and staff determined. Courses that have very low enrollment may not be offered or may be combined with others. It is important that you put a lot of thought into the courses that you want as it will be very difficult to make changes to course requests later.

Grade 9 Compulsory Courses (Year-long)

CANADA IN THE CONTEMPORARY WORLD 10F — 1 credit

Commonly called Social Studies, *"Canada in the Contemporary World"* is designed to help students gain a greater understanding of the society in which they live. They will explore the historical and current issues of citizenship and identity. Through the various topics and activities, students will have the opportunity to develop skills for active democratic citizenship. This course is taught in tandem with ELA 10F.

ENGLISH LANGUAGE ARTS 10F 1 credit

This course provides students with a variety of experiences to read, write, create, and explore various modes of communication. Through these modes of communication students will have the opportunity to express their power and agency around language use. This course is taught in tandem with Canada in the Contemporary World 10F. Students engage communication modes and literature in a variety of genres and mediums: short stories, poetry, drama, a novel, news articles, radio, reviews, speeches, film, debates, and consider proper use of grammar, punctuation, spelling, and vocabulary in all assignments.

MATHEMATICS 10F 1 credit

Grade 9 Mathematics prepares all students to continue mathematics studies in the following high school years. All students can benefit from a general understanding of mathematics for their personal and work-related use. Some students will need in-depth studies in mathematics for their post-secondary program and therefore will need to take specific Grades 10 to 12 mathematics courses.

Grade 9 Math contains the same four areas that have been studied since Kindergarten: the Number Strand, the Patterns and Relationships Strand, the Shape and Space Strand and the Statistics and Probability Strand.

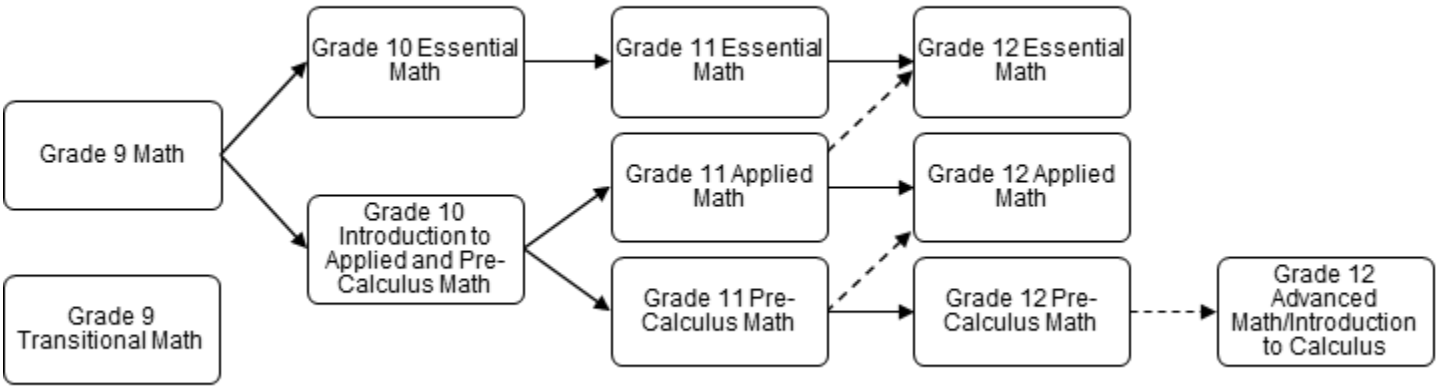
UNITS BY PROVINCIAL STRANDS:

- Number – Rational Number Sense, Powers & Exponents
- Patterns and Relations – Linear Relations and Polynomials
- Shape and Space – Circle Geometry, Symmetry and Similarity
- Statistics and Probability

EQUIPMENT / PERSONAL SUPPLIES: Students will be required to have a scientific calculator.

Mathematics Flow Chart:

Grade 9 Grade 10 Grade 11 Grade 12



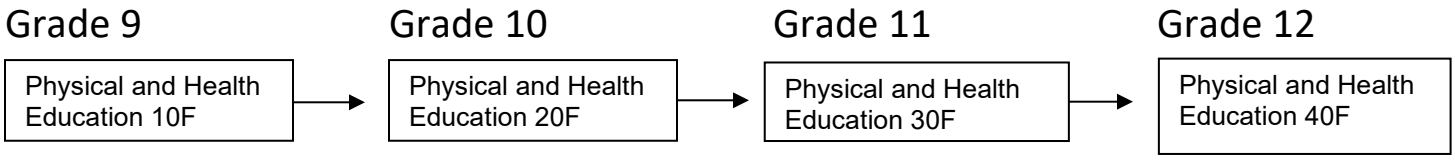
Note:

- Dashed lines - - - - - indicate other possible choices.
- Taking at least one Math course is required at each grade level.

- Grade 9 Transitional Math is an optional elective course for students who need to increase their mathematical background to transition from middle school to high school. Students taking this course must also take Grade 9 Math.
- Grade 12 Essential, Applied and Pre-calculus courses have final provincial achievement tests.
- When choosing a mathematics program, students should consider post-secondary requirements. Each of the mathematics programs is sequential, and is designed to meet different interests, learning needs and education/career goals of students. Students and parents are advised to consult with mathematics teachers and student services to decide the best program.

PHYSICAL EDUCATION AND HEALTH 10F — 1 credit

The course's general outcomes include development of movement skills, fitness management, safety, personal and social management, and healthy lifestyle practices. Activities will include team, dual and individual sports, fitness programming, theory, and classroom work.



Notes:
- All students will need 4 credits Grade 9-12 of Physical and Health Education to graduate.

SCIENCE 10F — 1 credit

Grade 9 students develop an awareness of the interrelationship of science, technology, society, and the environment (STSE) through the processes of scientific inquiry, technological problem solving, and decision making. STSE skills and attitudes are developed within student learning outcomes.

UNITS OF STUDY:
- Reproduction – Human reproductive system and genetics
- Atoms and Elements – Introduction to the periodic table and atomic structure
- Nature of Electricity – Particle model of electricity, electrostatics and introduction to current electricity
- Exploring the Universe – Components of the universe and current topics in astronomy

EQUIPMENT / PERSONAL SUPPLIES: Students will be required to have a scientific calculator.

Grade 9 Compulsory Elective Course

READING IS THINKING / LIFE WORKS 10S **1 credit**

The Reading Is Thinking course is designed to provide targeted instructional support in the areas of literacy and numeracy. Each unit of study develops the necessary attitudes, knowledge, skills, and strategies students need to be successful in their learning across the high school curriculum. Reading Is Thinking supports what research suggests and is critical for adolescents to thrive as confident, engaged, and proficient lifelong learners by focusing on improving the overall literacy and numeracy skills of children.

Grade 9 Elective Courses: (One Semester Long)

DRAMA 10S **1 credit**
PREREQUISITE: None

This is a performance-based course. Drama students learn about theatre by engaging in warm-up games, improvisation, scene work, exercises, and formal productions. This course emphasizes group work and the development of introspection. Class activities vary from year to year, with potential areas of study including theatre sports, stage make-up, tableaux, theatre history, stage combat, and the technical aspects of theatre.

Course fee: $20

GUITAR 10S **1 credit**
PREREQUISITE: None

This is a performance-oriented course. Students will perform as part of the full Guitar Ensemble, in smaller groups and in solo presentations. They will learn about the history and diversity of musical styles with which the guitar is associated. They will learn to listen critically to music and learn to write reviews of albums and songs.

Course Fee $20.00

MUSICAL THEATRE/ THEATRE PRODUCTION 10S (After School) **1 credit**
PREREQUISITE: None

These courses develop a stronger understanding of musical theatre through the performance and production of an annual school show. Note that this course is not offered during the regular school day. Rehearsals, performances, set up, and building often take place after school hours and on weekends.

PERFORMANCE STUDENTS
Students from all grades will study characterization, vocal projection, blocking, storytelling, choreography, and performance while sharing a creative adventure with other members of the course. Although there is no pre-requisite for this course, this class does require an audition. If not selected for an on-stage role, students are encouraged to participate in the production course.

PRODUCTION STUDENTS
Theatre production students work on the technical requirements for the show. Students learn about stage management, lighting, sound operation, set design and construction, costume design and construction, and theatrical house management.

Course Fee $35.00

VISUAL ART 10G 1 credit

PREREQUISITE: None

This is an introductory course to the technicality of a variety of art mediums. Mediums worked with are, but are not limited to drawing (pencil, charcoal, oil pastel, ink, chalk pastel, conte) painting, clay, sculpture, print making, and collage. Students will begin to explore art through play, conceptualization, making, and connection.

Studio Fee $30

FRENCH 10F 1 credit

PREREQUISITE: None

This course is a participation-based course where students acquire French communication skills such as reading, writing, listening, and speaking while learning about French culture in Canada and around the world. A heavier emphasis is placed on the acquisition of spoken language. Be ready to speak and interact with your peers daily through small group activities, songs, and lots of games.

GRAPHIC COMMUNICATION TECHNOLOGY 10G 1 credit

PREREQUISITE: None

This area of study is designated to introduce students to the processes of communication graphically using technology and materials.
This course offers hands-on experiences and problem solving daily. Evaluation will be biased on individual assignments, projects, group problem-solving activities, and self reflection. This course will be of interest to students who are considering a career in commercial art, architecture, interior design, fine arts, drafting and design, electronic imagery, photography, or other related fields.

Areas of study: Computer generated design, Desktop publishing, introduction to DSLR photography, Basic planning and layout, Advertising and design, Industry norms.

Possible Projects: Stained glass logos, Puppet Warping, Spot the difference, Photography challenges, T-shirt design, and much more.

HUMAN ECOLOGY 10G 1 credit

PREREQUISITE: None

Human Ecology 10G is comprised of 2 major units: Food & Nutrition and Clothing &Textiles. The **Food & Nutrition** term takes some of the topics introduced in junior high to a deeper level. The short units of study are particularly geared to the nutrient needs of adolescents and will highlight how food choices Affect a developing body. Cooking days will further encourage independence in the kitchen, develop recipe reading skills and confidence with a variety of kitchen tools and equipment.

The **Clothing & Textiles** unit introduces basic construction techniques. Students will continue to learn sewing machine skills, the use of the serger and using a criant as well as various cutting tools and techniques. Projects include a hoodie, as the main project, along with an introduction project and one choice project. All fabric, patterns, thread, notions, and other small equipment will be supplied.

INTRODUCTION TO PRE-ENGINEERING 15G 1 credit

PREREQUISITE: None

In this class, we'll be using Project Based Learning to teach you cool stuff! Instead of just sitting in class and listening, you'll get to work on hands-on projects with your friends or by yourself. Students will be taught all required manufacturing skills and how to safely utilize the machines, 3D printers, and laser cutter in the lab. No previous experience required!

Areas of study: Mechanical engineer, Structural Engineering, Electronics, and Pneumatics/Hydraulics

Possible Projects: Car crash safety, custom flashlights, 3D printed figures, mouse trap cars, and much more.

METALWORK TECHNOLOGY 10G 1 credit

PREREQUISITE: None

Metalwork Technology allows students to explore the processes involved in the manufacturing and fabrication of metal products with a "hands on" approach. Small engine repair included and a strong focus of career explorations in related trades.

Areas of study: Oxy acetylene welding, Mig welding, Plasma cutting, CNC operations, Aluminum sublimation, Layout and design, Problem solving, General metal working

Possible Projects: Motorized go carts, power scooters, tree stands, mig cube, screwdrivers, skateboard rails, outdoor firepit, wood burning meat smokers, pizza cutters, magnetic pick-up tools to name a few.

WOODWORK TECHNOLOGY 10G 1 credit

PREREQUISITE: None

Woodworking Technology allows students to explore the processes involved in the manufacturing and fabrication of wooden products with a "hands on" approach. Students will learn a variety of skills. Students will learn to use a variety of Hand tools, Power Tools, and Computer Aided Technologies to design and construct

projects. By the end of this course, you will not only have a collection of new skills but also a set of tangible creations that you've personally designed and crafted.

Areas of study: Safety, Hand tools, Power Tools and Machinery, Wood Joinery, Finishing Techniques, CNC technologies and Measurement.

Possible Projects: Puzzles, Wooden pens, Wooden Bowls, Tables, Stools, Cribbage boards, Desktop Organizers and choice projects.

Electronics/Robotics 10G 1 credit

PREREQUISITE: None

This course provides both theory and practical experiences, as well as 3D modeling and problem-solving opportunities.
For the robotics portion students will build various robots; both user controlled and autonomous (coded); for classroom-based competitions. Using an Engineering notebook to record data, game strategies and iterations to effectively reflect on their learning, students will exercise soft skills to share ideas and collaborate. Utilizing the Engineering design loop, students will adapt base robot builds to make the experience their own.

Competitions Include:

Freeze Tag: Robots will drive in an arena and attempt to 'tag' opponents to make the robot freeze in place.

Ring Leader: Students will design and construct a manipulator to place rings overtop of pillars. Both user controlled and autonomous elements are used for this challenge.

Castle Crasher: Students will explore optical and distance sensors to seek, crash and clear balls out of a castle. Coding is heavily utilized in this competition.

The electronics portion has students building simple circuit boards to create various projects including intrusion alarms and a lamp with a dimmer switch.

EAL 11G/21G/31G 1 credit

PREREQUISITE: None

Students will work towards improving their listening, speaking, reading, and writing skills for English as an Additional Language for academic purposes. Each course code represents one stage or level the student has achieved beginning with Stage 1 (11G) up to Stage 3 (31G) with the possibility of earning 3 credits for English. Multilanguage Learners (MLL) are encouraged to read and write to expand their vocabulary and are given the opportunity to practice oral skills through presentations to increase confidence. After students have completed the 3 stages (11G, 21G,31G), they are ready to function independently in all academic courses.

INDIGENOUS STUDIES 10S 1 credit

PREREQUISITE: None

Indigenous Studies focuses on the unique perspectives of Indigenous peoples. These perspectives include an understanding of Indigenous philosophies of life. This course creates an awareness of issues, priorities, and events as they relate to Indigenous peoples.

INDIGENOUS LANGUAGES 10S 1 credit

PREREQUISITE: None

The specific Indigenous languages implemented at WPC will depend on the learner population and the needs of the school and the community.

The value of learning an Indigenous language for learners includes:

- increased awareness of and sensitivity to cultural and linguistic diversity in Manitoba, Canada, and the world
- enhanced role of the language in the home and community, especially for Indigenous learners, but also for non-Indigenous learners
- to take an active role in the preservation, revitalization, and maintenance of Indiginous languages and cultures

TRANSITIONAL MATH 10S 1 credit

PREREQUISITE: None

Transitional Mathematics focuses on developing positive student attitudes toward learning, improving communication skills and work habits, and increasing mathematical background and motivation. This course is designed for students that need more help in mathematics. It gives students a better chance to succeed in the Grade 9 Mathematics course which is a required course. Students enrolled in this course must also enroll in Grade 9 Mathematics.