



GRADE 9 PROGRAM

The Element High School is a Montessori High School that meets and exceeds the Ontario curriculum. A few distinguishing features of our program are:

- Awareness and incorporation of the developmental needs of adolescents in our programming.
- Small students to teacher ratio.
- Collaborative working environment.
- Faculty advisors who guide individual goal setting and accountability.
- Independent Work Periods (IWP) that enable students to manage their own time and pursue work that interests them with teacher support.
- Authentic World of Learning (AWOL) that immerses students in the real-world.
- Urban Adventure Trip.
- Development of essential skills that help students understand themselves as learners.
- Community service.
- Interaction with the real world and the city as our campus.
- Leadership opportunities through multi-age groupings.
- Learning commons work environment.
- Choice and creativity are incorporated into students' daily work and projects
- Key lessons delivered by experienced faculty.
- Various electives taught by professionals who work in their respective fields.
- Digital and Financial Literacy.
- Meaningful and timely student assessment.
- Preparation for adult life.

The Element Diploma includes the following Grade 9 courses:

English (ENG1D)

This course is designed to develop the oral communication, reading, writing and media literacy skills that students need for success in their secondary school academic programs and in their daily lives. Students will analyse texts from contemporary and historical periods, interpret informational and graphic texts, and create oral, written and media texts in a variety of forms. An important focus will be on the use of strategies that contribute to effective communication. The course is intended to prepare students for the Grade 10 academic English course, which leads to university or college preparation courses in Grades 11 and 12.

Math (MPM1D)

This course enables students to develop an understanding of mathematical concepts related to algebra, analytic geometry, measurement and geometry through investigation, the effective use of technology, and abstract reasoning. Students will investigate relationships, which they will then generalize as equations of lines, and will determine the connections between different representations of a linear relation. They will also explore relationships that emerge from the measurement of three-dimensional figures and two-dimensional shapes. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

Integrated Arts (ALC10)

This course integrates two or more of the arts (dance, drama, media arts, music and visual arts), giving students the opportunity to produce and present integrated art works created individually or collaboratively. Students will demonstrate innovation as they learn and apply concepts, styles and conventions unique to the various arts and acquire skills that are transferable beyond the classroom. Students will use the creative process and responsible practices to explore solutions to integrated arts challenges.

Healthy Active Living Education (PPL10)

This course equips students with the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities, students develop knowledge and skills related to the movement competence and personal fitness that provide a foundation for active living. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.

Issues in Canadian Geography (CGC1D)

This course examines interrelationships within and between Canada's natural and human systems and how these systems interconnect with those in other parts of the world. Students will explore environmental, economic and social geographic issues relating to topics such as transportation options, energy choices and urban development. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate various geographic issues and to develop possible approaches for making Canada a more sustainable place in which to live.

Science (SNC1D)

This course enables students to develop their understanding of basic concepts in biology, chemistry, earth and space science, physics and to relate science to technology, society and the environment. Throughout the course, students will develop their skills in the processes of scientific investigation. Students will acquire an understanding of scientific theories and conduct investigations related to sustainable ecosystems; atomic and molecular structures and the properties of elements and compounds; the study of the universe and its properties and components; and the principles of electricity.

Introduction to Business (BBI10)

This course introduces students to the world of business. Students will develop an understanding of the functions of business, including accounting, marketing, information and communication technology, human resources, production and the importance of ethics and social responsibility. This course builds a foundation for further studies in business and helps students develop the business knowledge and skills they will need on their everyday lives.



Students can choose between the 2:

Core French, Academic (FSF1D)

This course provides opportunities for students to communicate and interact in French with increasing independence, with a focus on familiar topics related to their daily lives. Students will develop their skills in listening, speaking, reading, and writing by using language learning strategies introduced in the elementary Core French program, and will apply creative and critical thinking skills in various ways. They will also enhance their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.

Core French, Open (FSF10)

This is an introductory course for students who have little or no knowledge of French or who have not accumulated the minimum of 600

hours of elementary Core French instruction. Students will begin to understand and speak French in guided and structured interactive settings and will develop their awareness of diverse French-speaking communities in Canada and acquire an understanding and appreciation

of these communities. They will also develop a variety of skills necessary for lifelong language learning.

Online Courses

If students wish to take an elective that we are not offering, they may apply to take an online course. They must demonstrate their ability to handle the independence required, based on the following information from the previous two reporting cycles:

1. Reason for wanting to take the course.
2. Their number of days late.
3. Their number of late assignments.
4. Their learning skills assessments for their previous two report cards.

The Element High School staff are available to support students with questions. Parents will have to cover the cost of the elective course. No Element tuition discount will be given. Students can take no more than 2 online credits as part of their Element Diploma.

Urban Adventure

The Urban Adventure Trip is an overnight trip that is planned and executed by the students at the beginning of the school year and takes them to a location outside of Ottawa. While also acting as a community building activity, the trip provides an opportunity to immerse the students in real world planning, teamwork and organizational skills.

The students are given a budget and specific curriculum expectations. Each of the curriculum expectations must be met on the trip but how they are met is up to the students to determine and forms the itinerary for the trip. The students are responsible for planning all aspects of the trip including transportation, food and activities while remaining within budget. The e2 faculty accompany the students on the trip and are there to ensure the students' safety but also create the space for the students to lead and problem solve through any challenges that arise.

AWOL (Authentic World of Learning)

Each Wednesday afternoon, students leave the school to take part in authentic activities in their community. In Grades 9 and 10, AWOL placements are arranged by teachers and include activities such as community service work; visits to museums, galleries, or historic sites; taking part in Take Our Kids to Work Day; field work; or visits to post-secondary institutions.

AWOL placements are related to students' work in specific courses. They extend student learning by exposing them to real-world, complex problems and their solutions, and helping them to develop transferable skills.



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