



GRADE 10 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 10 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. This course is intended to prepare students for the compulsory Grade 11 university or college preparation course.

Math (MPM2D)

This course enables students to broaden their understanding of relationships and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and abstract reasoning. Students will explore quadratic relations and their applications; solve and apply linear systems; verify properties of geometric figures using analytic geometry; and investigate the trigonometry of right and acute triangles. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

Academic Science (SNC2D)

This course enables students to enhance their understanding of concepts in biology, chemistry, earth and space science, and physics, and of the interrelationships between science, technology, society, and the environment. Students are also given opportunities to further develop their scientific investigation skills. Students will plan and conduct investigations and develop their understanding of scientific theories related to the connections between cells and systems in animals and plants; chemical reactions, with a particular focus on acid-base reactions; forces that affect climate and climate change; and the interaction of light and matter.

Career Studies (GLC2O)

This course teaches students how to develop and achieve personal goals for future learning, work, and community involvement. Students will assess their interests, skills, and characteristics and investigate current economic and workplace trends, work opportunities, and ways to search for work. The course explores postsecondary learning and career options, prepares students for managing work and life transitions, and helps students focus on their goals through the development of a career plan.

Civics and Citizenship (CHV2O)

This course explores rights and responsibilities associated with being an active citizen in a democratic society. Students will explore issues of civic importance such as healthy schools, community planning, environmental responsibility, and the influence of social media, while developing their understanding of the role of civic engagement and of political processes in the local, national, and/or global community. Students will apply the concepts of political thinking and the political inquiry process to investigate, and express informed opinions about, a range of political issues and developments that are both of significance in today's world and of personal interest to them.

Canadian History Since World War 1 (CHC2D)

This course explores social, economic, and political developments and events and their impact on the lives of different groups in Canada since 1914. Students will examine the role of conflict and cooperation in Canadian society, Canada's evolving role within the global community, and the impact of various individuals, organizations, and events on Canadian identity, citizenship, and heritage. They will develop their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating key issues and events in Canadian history since 1914.

Healthy Active Living Education (PPL2O)

This course enables students to further develop 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 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.



The Element Diploma includes the following Grade 10 courses:

ELEMENT ELECTIVES- choice between 2 of the 3:

Media Arts (ASM20)

This course enables students to create media art works by exploring new media, emerging technologies such as digital animation, and a variety of traditional art forms such as film, photography, video, and visual arts. Students will acquire communications skills that are transferable beyond the media arts classroom and develop an understanding of responsible practices related to the creative process. Students will develop the skills necessary to create and interpret media art works.

Core French, Academic (FSF2D)

This course provides opportunities for students to communicate in French about personally relevant, familiar, and academic topics in real-life situations with increasing independence. Students will exchange information, ideas, and opinions with others in guided and increasingly spontaneous spoken interactions. Students will develop their skills in listening, speaking, reading, and writing through the selective use of strategies that contribute to effective communication. They will also increase their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.

Introduction to Computer Studies, Open (ICS2O)

This course introduces students to computer programming. Students will plan and write simple computer programs by applying fundamental programming concepts, and learn to create clear and maintainable internal documentation. They will also learn to manage a computer by studying hardware configurations, software selection, operating system functions, networking, and safe computing practices. Students will also investigate the social impact of computer technologies, and develop an understanding of environmental and ethical issues related to the use of computers.

**A minimum of 4 students are required to run a course.*

**Parents will be required to sign students' elective sheets.*

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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