

Flex ED Summer

School 2025 Course

Catalogue

Grade 10 Courses

ELA A10

Students will study plays, poetry, novels, and short stories while reflecting on themselves and the world around them. The course focuses on life challenges, decisions, and mysteries in the past, present and beyond.

Materials Needed:

- *The Hunger Games* by Suzanne Collins (Novel)
- *The Miracle Worker* by William Gibson (Long Play)
- *The Hunger Games* (Film)
- *The Boy Who Harnessed the Wind* by William Kamkwamba (Non-Fiction Novel)

ELA B 10

Students will study plays, novels, short stories, and poems in a manner that reflects internally and externally to the world around them. The course focuses on justice, diversity, community, fairness, and the individual.

Materials Needed:

- *All Creatures Great and Small* by James Herriot (Memoir)
- *MacBeth* by William Shakespeare (Long Play)
- *Jurassic Park* by Michael Crichton (Novel)
- *Ender's Game* by Orson Scott Card (Novel)
- *A Raisin in the Sun* by Lorraine Hansberry (Long Play)

Information Processing 10

Information processing is the acquisition, recording, organization, retrieval, display, and dissemination of information related to computer-based operations. In Information Processing 10, you will learn about task management, information processing in the workplace, digital citizenship, digital communication, digital law, keyboarding, word processing, computer technology, operating systems, spreadsheets, databases, graphic design, and presentation design. You will take a deeper dive into refining your computer skills to be prepared for the workplace and to ensure that you are using technology properly.

Science 10

Science 10 will cover climate, ecosystems, chemical reactions, forces, motion, and career exploration.

Materials Needed:

- litmus paper (storebought or homemade)
- vinegar
- baking soda
- thermometer
- measuring tape
- stopwatch

Wellness 10

This course helps students become aware of, assess, and balance the five dimensions of wellness including: physical, psychological, social, spiritual, and environmental. Emphasis is placed on becoming active, self-inquiry, community service, and how each dimension affects the others to create well-being. The following are requirements of the course: 56 hours of physical activity and 12 hours of volunteer time.

Grade 11 Courses

Creative Writing 20

Creative Writing allows you to 'make things up'. You will use your imagination and invent the impossible and go places you never thought you would go. Throughout the course, you will have the opportunity to write various types of texts, such as poems, short fiction texts, creative nonfiction texts, and short scripts. This will help develop your writing skills and learn how to write for different purposes and audiences.

Prerequisites: ELA A10 or ELA B10

ELA 20

ELA 20 explores personal identity and growth, covering themes like how our past shapes our present, the role of family in identity and belonging, how obstacles and challenges lead to personal growth, and life's inevitable passage of time through which we evolve and change. Students will study and reflect on these themes through novels, a play, short stories, and essays as they develop skills in creative writing, essay research and writing, and oral speaking through performances of their written work.

Prerequisites: ELA A10 and/or ELA B10 (dependent upon current transcript)

Materials Needed:

- *To Kill a Mockingbird* by Harper Lee (novel)
- *Someday* by Drew Hayden Taylor (long play)
- *Something for Joey* by Richard Beck (novel)
- *Keeper'n Me* by Richard Wagamese (novel)
- *I Am Hutterite* by Mary-Ann Kirby (novel)

Environmental Science 20

Environmental Science 20 studies the impact humans have on the environment and how we can move towards a more sustainable future, both personally and collectively. Topics covered through the course are the atmosphere and its impact on human health, aquatic ecosystems, and terrestrial ecosystems. Students will conduct experiments, write lab reports, do independent research, and show their learning through visual presentations, as well as create a final project of their choice.

Prerequisite: Science 10

Materials Needed:

1. Filtration Mask Experiment

- ½ cup flour
- Household items to make a filtration mask (these will depend on the type of mask the student chooses to make based on the internet instructions they find).

2. Clean-up Simulation

- Cooking oil and [one](#) from each list below:
 1. Coffee filter, shirt, pantyhose, or other cloth
 2. Dish soap, laundry detergent, hand soap, or shampoo
 3. Sawdust, sand, or cat litter

3. Water Quality Testing

- Water quality testing kit (can be purchased at a hardware store)

4. Ecosystem in a Jar

- Large glass jar with lid that seals tightly
- Pebbles or stones (enough to fill 1-2 inches of the jar)
- ½ cup charcoal
- Potting soil (enough to cover your plants' roots)
- One to three plants (depending on the size of your jar)

Financial Literacy 20

This course is an introduction to the basics of financial decision making, including information on earning, saving, spending, borrowing, sharing, investing, and protecting financial interests. It will help to prepare students for financial situations they may face as they move into the world of adulthood.

Life Transitions 20

In Life Transitions 20, you will learn about life transitions, personal self-knowledge, relationships, time management, career self-knowledge, life balance, and much more. You will set goals and make Action Plans to achieve your goals. You will need to have at least one person who can be your mentor for your action plans.

Physical Science 20

Physical Science 20 will cover heat, chemistry basics, waves, a career study, as well as a student directed project.

Prerequisite: Science 10

Materials Needed:

- Food coloring
- Powdered drink mix
- 5% iodine
- Laundry starch
- 500mg vitamin C tablets

Grade 12 Courses

Financial Literacy 30

This course is a more in-depth look into the world of personal finance. It covers topics such as home ownership; debt management, including bankruptcy; purchasing and leasing property including vehicles; and planning for the future (e.g., retirement planning), all of which contribute to strong lifelong financial wellbeing.

Food Studies 30

Food Studies 30 is all about practical and essential understanding of food and nutrition. Students will engage in the importance of making healthy food choices to promote the well-being of individuals and families through written and practical components.

Life Transitions 30

In Life Transitions 30, you will learn about life roles, health self-care, conflict in relationships, money management, career planning, independent living, parenting, and searching for a job. You will set goals and make Action Plans to achieve your goals. You will need to have at least one person who can be your mentor for your action plans.

Physics 30

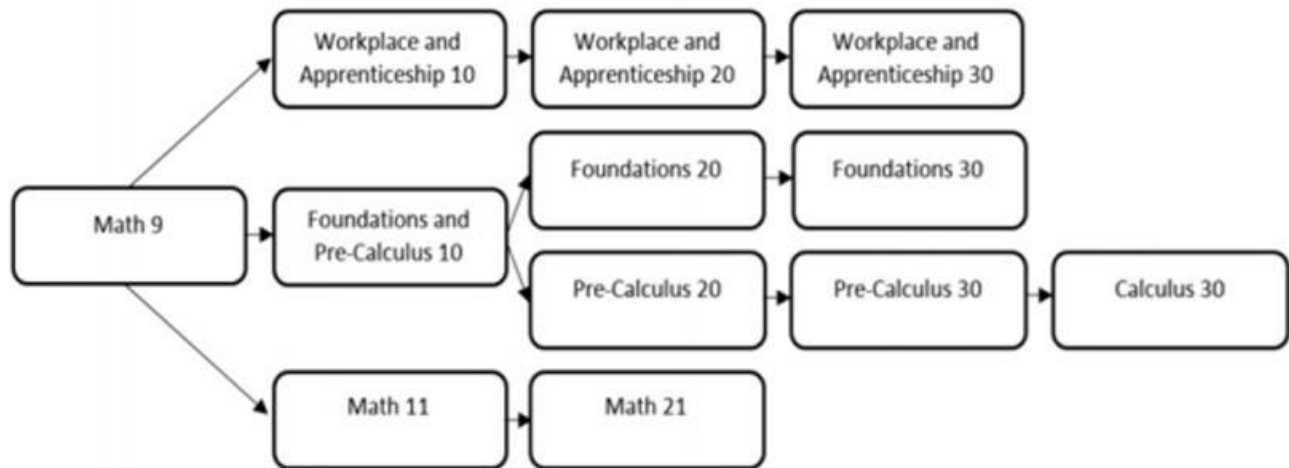
Physics 30 explores modern physics; forces and motion; Conservation Laws; electric, magnetic, and gravitational fields, as well as a student-directed study of their choosing. Physics 30 requires critical thinking and problem-solving skills as students work through theoretical and hands-on inquiry.

***This course requires a Provincial departmental exam written Thursday, August 7, 2025, from 1:00 – 3:30 p.m. at a Ministry-approved writing centre.**

Prerequisite: Physical Science 20

Math and Science Pathway Chart for Students

MATHEMATICS



Science Pathways Framework

