

Queen Elizabeth High School



Course Guide

Welcome to Queen Elizabeth High School!

Programs Offered at Queen Elizabeth:

AP – Advanced Placement (AP) is a program run by the College Board which offers students enrichment of University-level courses in high school. AP refers to the first-year college level curriculum at the 35 level. In the 30 level courses offered at Queen Elizabeth, the regular -1 topics are covered on an accelerated basis and then enriched to increase the students' depth of understanding. AP cohort classes at the 20 level develops the knowledge, skills, and strategies to successfully write the 30- level AP Exams in early May (extra fees apply).

DHH – Deaf and Hard of Hearing Students at Queen E are supported with access to Teachers of the Deaf, Educational Interpreters, VRI, and/or assistive technology. We offer various levels of integration and cohorting based on individual student need.

GATE – Gifted and Talented Education (GATE) is accessed via the CBE through a referral and placement process only. Students in the GATE Program in grade 10 are supported through a GATE Homeroom and their IPP. Opportunities to continue with accelerated and AP classes are available.

K&E – Knowledge & Employability (K&E) courses provide students with opportunities to experience success and become prepared for employment, further studies, active citizenship and lifelong learning. Students in this program will receive a Certificate of High School Achievement at graduation. Written consent is required to register in any Knowledge and Employability (-4) course, please speak to Student Services for more information.



Labor Omnia Vincit

512 18 St NW Calgary, AB,
T2N 2G5

t|403-777-6380

e|queenelizabethJrSr@cbe.ab.ca



Calgary Board
of Education

Resources to Support Course Selection



High School Core Courses & Planning Guide Information:

<https://www.cbe.ab.ca/programs/high-school/Documents/Get-Ready-Get-Set-Go-For-It-Short.pdf>

CBE Detailed Course Guide:

<https://www.cbe.ab.ca/programs/high-school/Documents/Detailed-High-School-Course-Guide.pdf>



My Blueprint - An interactive education, career, pathways and life planner. The tool can help you to explore and build your high school course plan and inform your course choices. Login with your CBE Edu email and password.

www.myBlueprint.ca/cbe



Second Languages & Social Sciences

American Sign Language (ASL) and Deaf Culture 15

Credits: 5 **Prerequisite: None**

This is a beginner course for students with either no ASL or little ASL background. In this introductory course, students will learn about Deaf culture, basic ASL vocabulary, fingerspelling, and expressions in a voice-free classroom. They will be able to use this knowledge to participate in short conversations on familiar topics and share brief narratives by using ASL vocabulary, facial expressions for asking questions and expressing emotions, and body language.

American Sign Language (ASL) and Deaf Culture 25

Credits: 5 **Prerequisite: ASL 15**

This intermediate course will build on the basic vocabulary and grammar acquired in ASL 15. Students will participate in more expressive and receptive skills while sharing more complex conversations and longer narratives in a voice-free classroom. Conversations will include present, past and future tenses as well as facial expressions to express rhetoric, emotion and inquisitive questions. Students will also continue working on developing ASL grammar order. Additionally, students will continue learning about Deaf culture via stories and activities.

American Sign Language (ASL) and Deaf Culture 35

Credits: 5 **Prerequisite: ASL 25**

This advanced course will build on vocabulary and grammar acquired in ASL 25. Students will continue to work on strengthening their receptive and expressive skills via complex conversations and factual narratives in a voice-free classroom. Students will work on using facial expressions and body language to a greater degree, such as expressing modifications of expressions and nouns. Students will also reinforce their capability of using ASL grammar order with more practice. Additionally, students will continue learning about Deaf culture via stories and activities.

Chinese Language and Culture 10-3Y

Credits: 5 **Prerequisite: None**

This beginner Mandarin Chinese course introduces students with little or no background to basic listening, speaking, reading, and writing skills. Students will learn to read and write simplified or traditional characters and gain essential communication skills. The course also offers an introduction to Chinese culture through a brief overview of key ancient historical events, helping students build cultural awareness and appreciation.

French as a Second Language 10-3Y

Credits: 5

Prerequisite: None

This is a beginner course for students who have no French background. In this introductory course, students will learn basic vocabulary and expressions. Using this knowledge, they will be able to participate in conversations and to write fundamental paragraphs. Some areas of study include personal interests, family and friends, sports, food and travel. Most conversation will be in the present, immediate future and immediate past tenses. Additionally, students will also learn about French culture through various classroom activities.

French as a Second Language 20-3Y

Credits: 5

Prerequisite: French 10-3Y or Jr. High French

This intermediate course will build on the basic vocabulary and grammar acquired in French as a Second Language 10. Students will participate in more listening comprehension, conversation building, reading and written communication. Students will participate in more complex conversations and written communication. Some areas of study include personal interests, family and friends, sports, food and travel. Conversations will progress from present and immediate past and immediate future tenses to the past tense. Additionally, students will continue learning about the French culture through various classroom activities.

French as a Second Language 30-3Y

Credits: 5

Prerequisite: French 20-3Y

This course will build on the basic vocabulary and grammar acquired in French as a Second Language 20. Students will continue to participate and develop their listening comprehension, oral production, reading and written communication. Students will participate in more complex conversations and written communication. Some areas of study include personal interests, family and friends, sports, food and travel. Conversations will progress from present and immediate past and immediate future tenses to the past tense. Additionally, students will continue learning about the French culture through various classroom activities.

Leadership Multi-Level (Introductory, Intermediate, & Advanced)

Credits: 5

For students who would like to take Leadership Intro, Inter, or Advanced. Leadership is designed to engage students in becoming involved in their personal development and surroundings by helping to create a positive school culture. Students will develop self-confidence and leadership skills through a variety of projects and service-learning opportunities within the school and beyond.

Military Studies 15, 25, and 35

Credits: 5

In the course, students will have the opportunity to critically deal with real world problems, assess military issues, hone their communication skills and practice leadership. Military Studies 15 is focused on those questions in the context of Canada. Military Studies 25 is focused on global issues. Military Studies 35 is focused on the role ideology and ideas play in military affairs and memory.



Psychology 20 (General and Personal Psychology)

Credits: 6

Prerequisite: None

This course consists of two 3-credit modules, Personal Psychology and General Psychology. The aim of this course is to provide students with a general background in psychology including the history of psychology and the principles of learning and thinking. Students will learn about stress and aggression, the influence of small groups, the status of roles, and some insights regarding neurosis and psychosis. General psychology includes some discussion of emotion and behaviour. This course concludes with a section about self-improvement and self-growth.



Psychology/Sociology 30 (Sociology and Experimental Psychology)

Credits: 6

Prerequisite: None

This course consists of two 3-credit modules, Experimental Psychology and Applied Sociology. Experimental psychology provides an overview of the scientific experimentation process in the field of psychology. Modules examine scientific research methods, data display and interpretation, research ethics, and the design and completion of a psychological research experiment. Sociology is the study of social behavior and human groups. The goal of the course is to help students understand how they are part of society, to understand society's influence on their lives and to visualize their roles in societal change. Content includes scientific methods of study, social institutions, elements of culture and subculture.



Communication Technology Multi-Level (Introductory, Intermediate, & Advanced)

Credits: 5

For students who would like to take Comm Tech Intro, Inter, & Advanced. (Formerly Animation and Design). Students will be introduced to the basics of computer graphics (vector and raster), and computer graphic programs such as Illustrator and Photoshop. Students will learn how to develop graphics for printing and for on-screen use. Students will learn a variety of animation techniques and explore the evolution of various animation styles and techniques. We will also explore careers in the field of Communications Technology.

Computing Science 10, 20, and 30

Credits: 5

The computer science pathway provides students with the opportunity to develop a comprehensive set of in-demand 21st century competencies. This course introduces students to computer programming and the basics of how computers work – such as the relationship between hardware and software. Students will use mathematical concepts to plan and write simple computer programs, and build their own website using JavaScript, HTML, and CSS. Using an integrated development environment students learn to write procedural programs using variables, arrays and control statements. They are introduced to object-orientated principles and how they are applied to Python programs. Using Python, students will also be studying dynamic data structures, recursion, and iterative algorithms to search and sort.

Construction Multi-Level (10, 20, 30)

Credits: 5

Construction will allow students to develop general knowledge of materials and how to use them to make projects. Students will complete a variety of projects using hand tools and some power tools.

Culinary Arts Multi-Level (Introductory, Intermediate, & Advanced)

Credits: 5

This course introduces students to commercial food preparation and the food industry. They learn safety and sanitation skills (as outlined by Alberta Health and Safety regulations), basic cooking methods and techniques, how to read and follow recipes, how to use knives safely as well as a variety of professional kitchen appliances, and more. Students also learn customer service skills, cash handling and inventory as they help operate our live action café. Students are taught by Red Seal chefs as they develop valuable life skills and have the opportunity to experience a commercial kitchen.



Design Thinking for Innovation 15, 25 and 35

Credits: 5

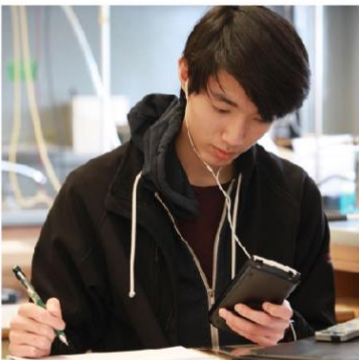
Design Thinking for Innovation focuses on developing foundational mindsets and skills needed to increase student's creative capacity for idea generation, design, and project prototyping. These skills are critical for the next generation of engineers, designers, and inventors. You will engage in various design and engineering challenges, intended to develop divergent thinking and creative problem solving. You will also learn 2D design software, 3D Design software, 3D printing and laser cutting.



Photography Multi-Level (Introductory, Intermediate, & Advanced)

Credits: 5

In Photography, students will be presented with many opportunities to discover and enhance their photographic knowledge, skills, and abilities. This will include developing technical skills in the use of digital cameras, learning about proper exposure and composition, developing image manipulation skills to create aesthetically satisfying pictures, printing images, and exploring various occupations available in the ever-broadening field of photography.



Robotics Multi-Level (Introductory, Intermediate, & Advanced)

Credits: 5

Students will learn about electronics and electrical components to construct electrical circuits, use CAD software to design and fabricate robot parts, and study robotics concepts while constructing robotic systems. Students will build upon concepts in the different levels to expand upon CAD/CAM applications, electronics design, and robotics systems all in a self-paced module-based class.



CALM 20

Credits: 3

Prerequisite: None

Career and Life Management is a graduation requirement. Students will apply an understanding of the emotional, psychological, intellectual, social, spiritual and physical dimensions of health, learn responsible financial decision-making, and to learn to apply strategies to manage wellness and lifelong career development. Students will complete the course online in D2L with teacher support available.

Physical Education 10

Credits: 5

Prerequisite: None

Physical Education 10 is a graduation requirement. Students will develop the knowledge, skills, and attitudes necessary to lead an active, healthy lifestyle. The program emphasizes active living, with a focus on physical activity that is valued and integrated into daily life. Through activities in the school and community, you will explore what you are capable of and improve your physical abilities. You will understand the importance of safe, active living for life; and you will set goals and challenge yourself as part of an active, healthy lifestyle.

Physical Education 20

Credits: 5

Prerequisite: Physical Education 10

Physical Education 20 builds on the knowledge, skills, and attitudes taught in PE 10. Students go off-site for bowling, tennis, and the soccer dome. Activities include curling, squash/racquetball, beach volleyball, either ice-skating or in-line skating, billiards, batting cages, a half-day canoeing, and a full-day hike in Kananaskis. All students enrolled in the PE 20 are required to pay a fee to cover the costs of off-campus opportunities including service providers, transportation, and facility and equipment rentals

Physical Education 30

Credits: 5

Prerequisite: Physical Education 20

Physical Education 30 builds on the knowledge, skills, and attitudes taught in PE 20. Students go off-site for bowling, tennis, and the soccer dome. Activities include curling, squash/racquetball, beach volleyball, either ice-skating or in-line skating, billiards, batting cages, a half-day canoeing, and a full-day hike in Kananaskis. All students enrolled in the PE 30 are required to pay a fee to cover the costs of off-campus opportunities including service providers, transportation, and facility and equipment rentals.

Outdoor Pursuits 15

Credits: 5

Prerequisite: None

This course develops students' skills and knowledge in outdoor education, including environmental stewardship, wilderness travel, leadership, and teamwork. Students plan and participate in outdoor trips—such as backpacking, cycling, snowshoeing, climbing, or paddling—to apply what they learn in class. A course fee covers shared expenses, while additional costs for personal gear and food depend on the specific trips.



Sports Medicine Multi-Level (Introductory, Intermediate, & Advanced)

Credits: 5

In Sports Medicine students will be educated in the recognition of and immediate care and prevention of basic athletic injuries. Students will explore Health & Wellness principles including terminology and overall aspects of an individual's health. Students are introduced to anatomy (bones, muscles and joints) and their relation to athletic injuries. Students will become CPR and AED certified by the Canadian Red Cross. Students will further their study of human physiology, athlete health and performance, and introduction to injury rehabilitation. Students begin to apply their skills by attending sporting events and supporting sports teams throughout the year.



Sports Performance Multi-Level (Introductory, Intermediate, & Advanced)

Credits: 5

Prerequisite: None

This course will focus on the development of an individual's fitness and fitness knowledge in relation to becoming a better athlete. Students will learn and implement knowledge pertaining to nutrition, sports psychology and training techniques to improve their personal fitness for all sports and/or athletic activities. Topics of study include aerobic training, strength training, flexibility training, agility training, power training, speed training, nutrition, hydration and goal setting. This level of the course is also a physically demanding option, and students should commit to improving their fitness and working to their full potential.



Yoga Multi-Level

Credits: 6

For students who would like to take Yoga 15, 25 and/or 35. Students will experience the health benefits of yoga which will help them to balance school and life. The course is designed to introduce students to the postures (asanas), breathing techniques and relaxation methods of yoga. Students will develop a healthy appreciation of their body, increased flexibility and strength, and improved focus and concentration.



Fine and Performing Arts

Art 10, 20, and 30

Credits: 5

Art 10 is an introductory course for high school students, who are interested in increasing their skills and visual literacy. Students will build their capacity for art appreciation and be provided guidance and support as they explore a variety of mediums and concepts. Having developed fundamental skills in Art 10, students will continue to build their skillsets while experimenting with mediums and concepts through self and guided exploration. Students who have completed Art 20, are encouraged to take Art 30 and explore mediums and skills that are of interest. Students will direct their learning and be guided in their personalized growth of skills and understanding. As part of this course, students will complete a series of work that exemplifies their artistic passion and style.

Band 15, 25, and 35

Credits: 5 to 10

Students will be automatically registered for Instrumental Music, as it is a co-requisite of Band. Band runs outside the timetable at 7:30 am. A large range of musical ability can be accommodated. The Band program focuses on improving technical skills, sight-reading, theory, history and concert performances. Students will develop competencies and strive for excellence in the areas of performing, listening, creating, researching and valuing music.

Drama Multi-Level

Credits: 5

For students who would like to take Drama 10, 20 and/or 30. Students will explore various drama forms, components, and activities. This course includes improvisation, movement, speech, and performance. Through active participation, students will develop skills such as concentration, cooperation, script interpretation, movement, voice, and characterization.

Musical Theatre Multi-Level

Credits: 5

For students who would like to take Musical Theatre 15, 25 and/or 35. This course emphasizes the performance-focused parts of Drama, on both the acting and technical sides of making theatre. Students learn how a musical production comes together by rehearsing and performing a musical theatre piece. Drama 10 is a pre-requisite for this course; students will need to register for Drama as well.

Leadership in the Arts 35

Credits: 3/5

Prerequisite: Art 30

This course is for students, who are seriously considering a career in the Arts. Students will be involved in a great deal of research and present their findings on career opportunities, art organizations, funding, and the impact of The Arts on self and community. There is both a 3 and 5 credit option available. If taking the 5 credit option, students will also develop a cultural plan for The Arts. This course is a pre-requisite for obtaining the Fine Arts Certificate.

Advanced Placement

The Advanced Placement (AP) Program® fosters excellence in student achievement. Students who take AP® are challenged to think for themselves and to engage the world critically and analytically in and outside of the classroom. The AP® Program prepares students for future success. Students can earn advanced credit or advanced standing at thousands of colleges and universities on the basis of their AP® achievements.

Queen Elizabeth High School offers internationally recognized advanced placement programs for students who excel in academics. Students may choose to take one or several advanced placement courses depending on their interests and talents. These programs provide students with opportunities to work on university level courses in high school.

The Advanced Placement Advantage

- By participating in an AP course, students enter a world of intense discussion and thought. AP courses give students the intellectual responsibility to think for themselves and to learn to reason, analyze, and understand.
- AP allows students to undertake college level academic learning and advance into second year college or university courses that traditionally have a much smaller enrollment.
- Upon successful completion of an AP course, students are eligible to receive university credit and/or advanced placement at over 4000 colleges and universities worldwide.

AP Biology

Credits: 3

Prerequisite: Biology 30

AP Biology offers a college-level deep dive into the science of life — from cell biology and genetics through ecology and evolution. Students design and carry out experiments, collect and analyze data, and explore real biological systems. It's ideal for anyone interested in medicine, environmental science, biotechnology, or any field where understanding living systems matters.

AP Calculus

Credits: 3

Prerequisite: Math 30

AP Calculus AB mirrors a first-semester college calculus course, teaching limits, derivatives, integrals, and applications. For students with strong mathematical ability, it builds rigorous analytical skills, and the mathematical maturity needed for further studies in mathematics, engineering, physics, economics, or any quantitative discipline. Passing the exam can give students a head start in university math.

AP Chemistry

Credits: 3

Prerequisite: Chemistry 30

AP Chemistry challenges curious minds with a rigorous exploration of chemical structure, reactions, thermodynamics, equilibrium, kinetics, and more. The course gives a strong foundation in how matter behaves — essential for careers in chemistry, chemical engineering, health sciences, and environmental science. Students gain lab experience and critical thinking skills that mirror first-year university chemistry.

AP Computer Science A

Credits: 3

Corequisite: Computer Science 30

AP Computer Science A introduces students to fundamental programming and algorithmic thinking using a language like Java. Students learn computational problem solving, data structures, logic, and coding — skills increasingly important across science, engineering, business, and more. It's an excellent way to prepare for computer science or any STEM-related path.

AP English Literature and Composition

Credits: 3

Prerequisite: English 30-1

AP English Literature and Composition gives students the opportunity to read, analyze, and interpret high-quality literature — from novels and plays to poetry. Through close reading and essay writing, students learn to identify literary techniques, understand authorial purpose, and articulate sophisticated arguments. This course strengthens writing, analytical thinking, and communication — skills valued in every major and career.

AP European History

Credits: 3

Prerequisite: Social Studies 20-1

AP European History takes students on a journey through Europe from the Renaissance to the present — covering political revolutions, cultural shifts, wars, social changes, and global influence. By analyzing primary and secondary sources and crafting evidence-based essays, students build strong critical-thinking and writing skills. This course is perfect for those interested in history, politics, international relations, law, or humanities.

AP Physics C: Electricity and Magnetism

Credits: 3

Prerequisite: Physics 30

AP Physics C: Electricity and Magnetism is a calculus-based physics course that explores electric fields, circuits, magnetism, and electromagnetic effects — the very principles behind how modern electronics and many technologies work. Through lab work, problem solving, and conceptual reasoning, students learn to think like physicists. It's especially valuable for those planning to study engineering, physics, or other physical sciences.

AP Psychology

Credits: 3

Corequisite: Psychology 30

AP Psychology introduces students to the scientific study of human behavior. While considering the studies that have shaped the field, students explore concepts associated with major units of study, including biological bases of behavior, cognition, development, learning, social psychology, personality, and mental and physical health. Throughout the course, students apply psychological concepts and employ psychological research methods and data interpretation to evaluate claims, consider evidence, and effectively communicate ideas.



AP Capstone at Queen Elizabeth High School

Queen Elizabeth High School is proud to be the *only* school in the Calgary Board of Education offering the prestigious AP Capstone program — a two-year sequence that builds exceptional skills in research, critical thinking, collaboration, and academic writing. Through AP Seminar and AP Research, students explore real-world issues that matter to them, design university-level research projects, and graduate with a credential recognized by top universities around the world. For motivated, curious learners who want a challenge and a competitive edge for post-secondary success, AP Capstone at QEHS is a unique opportunity you won't find anywhere else.

AP Capstone Seminar 25

Credits: 5

Corequisite: ELA 10-1

In Capstone Seminar 25, students will focus on developing the competencies required for students to engage in independent academic research. Students will begin to undertake independent research on self-selected topics, formulate evidence-based arguments, and present and defend research choices. Be prepared to engage in extensive discussions and work in collaborative teams to investigate diverse perspectives on issues.

AP Capstone Research 35

Credits: 5

Prerequisite: AP Capstone Seminar 25

In Capstone Research 35, students will deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. The course culminates in an academic paper of 4,000–5,000 words and a presentation with an oral defense.

