

Queen Elizabeth High School



Complementary 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.



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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

AP Capstone Seminar 25

Credits: 5 **Prerequisite: None**

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.

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.

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

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

Credits: 5 **Prerequisite: None**

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

Credits: 5

Prerequisite: Military Studies 15

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 25 is focused on global issues.

Military Studies 35

Credits: 5

Prerequisite: Military Studies 25

In the course, students will have the opportunity to critically deal with real world problems, assess military issues, hone their communication, research and speaking skills and practice leadership. 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

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

Credits: 5

Prerequisite: None

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.

Computing Science 20

Credits: 5

Prerequisite: Computer Science 10

This is an intermediate programming course where students extend their knowledge of computer programming. Students learn the basic structure and syntax of Python, constructing algorithms to solve more complex problems. 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.

Computing Science 30

Credits: 5

Prerequisite: Computer Science 20

Students build on their previous skills by focusing on the object-oriented approach to programming. Using Python, they will also be studying dynamic data structures, recursion, and iterative algorithms to search and sort. Server-side scripting and databases may be introduced. A major project will have students demonstrating their complete understanding to create a game in PyGame.

Construction 10

Credits: 5

Prerequisite: None

Construction Intro 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.

Construction Multi-Level

Credits: 5

Prerequisite: Construction 10

For students who have completed Construction Intro and want to continue with Intermediate and Advanced Construction. Students will continue to complete a variety of projects using hand tools and power tools.



Culinary Arts Multi-Level (Intro, Inter, & 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

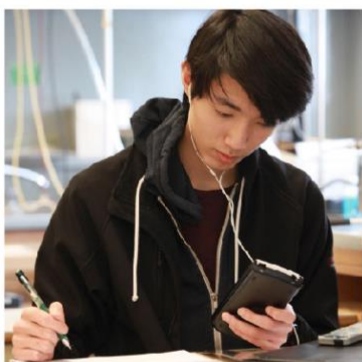
Design Thinking for Innovation focuses on developing foundational mindsets and skills needed to increase student's creative capacity for idea generation, design, and project prototyping. These skills are critical for the next generation of engineers, designers, and inventors. You will engage in various 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 (Intro, Inter, & 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 Intro

Credits: 5

Prerequisite: None

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.

Robotics Intermediate

Credits: 5

Prerequisite: Robotics Intro

Students will build upon concepts from Intro to Robotics and expand upon CAD/CAM applications, electronics design, and robotics systems all in a self-paced module-based class.



Robotics Advanced

Credits: 5

Prerequisite: Robotics Inter

Students will build upon concepts from Robotics Intermediate and expand upon CAD/CAM applications, electronics design, and robotics systems.



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 during Knight's Block.

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 of \$200 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 of \$200 to cover the costs of off-campus opportunities including service providers, transportation, and facility and equipment rentals.

Sports Medicine 10

Credits: 5

Prerequisite: None

Introductory 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.



Sports Medicine Multi-Level

Credits: 5

Prerequisite: Sports Medicine 10

For students who have completed Sports Med Intro and want to continue with the Intermediate and Advanced level. 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 10

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.



Sports Performance Multi-Level

Credits: 5

Prerequisite: Sports Performance 10

For students who have taken Sports Pro Intro and want to continue with the Intermediate and Advanced level. Previously learned training techniques and knowledge are used as a foundation for the next level of athletic development. Nutrition concepts are reinforced, and athletes get deeper into the psychology of sport. 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

Credits: 5

Prerequisite: None

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.

Art Multi-Level

Credits: 5

Prerequisite: Art 10

For students who have completed Art 10 and want to take Art 20 and 30. 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

Credits: 5/10

Prerequisite: None

Students will be automatically registered for Instrumental Music 10, as it is a co-requisite of Band 15. Band runs outside the timetable at 8:00 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.

Band 25

Credits: 5/10

Prerequisite: Band 15

Students will continue improving the skills learned in Band 15. Students will be automatically registered for Instrumental Music 20, as it is a co-requisite of Band 25. Band runs outside the timetable at 8:00 am.

Band 35

Credits: 5/10

Prerequisite: Band 25

Students will continue improving the skills learned in Band 25. Students will be automatically registered for Instrumental Music 30, as it is a co-requisite of Band 35. Band runs outside the timetable at 8:00 am.

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

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.

