

## Lord Beaverbrook High School Elective Courses for 2026-2027

For information on course fees please refer to the [CBE Course Fees Page](#). Please note that all course fees are subject to change year-to-year.

Electives at Lord Beaverbrook High School are offered on an interest and demand basis. Newly offered electives may not run if there is not enough student demand for the course. Modules offered as components of existing electives are subject to change. You may also find the detailed [CBE High School Course Guide](#) valuable, but please note that Lord Beaverbrook High School does not offer every course listed in the CBE Course Guide.

Some full course sequences are provided for context for students to understand how a course may build on itself. Where not listed, the course sequence builds on itself through a natural progression of skills and competencies.

### Math 15

This course is a complementary course offered in first semester to help prepare students to take Grade 10 Math. This course will help students improve mathematical skills, concepts and ideas from Junior High that are foundational for high school math courses. Learners will engage in collaborative tasks and formative assessments designed to develop student agency and independence while acquiring mathematical knowledge. This course will enhance numeracy skills, develop students critical thinking and problem-solving abilities, and set them up for success in future courses in mathematics. If a student completes Math 15 with 65%+ they are recommended to take Math 10C in second semester. If they finished with less than 65% they should take Math 10-3.

### Physical Education

#### Girls Physical Education 10 and Girls Fitness (6 Credits)

This girls-only class will combine a competitive girls-only physical education course with three sports performance modules targeted towards improving athletic competencies.

#### Physical Education 10 and Learning Strategies (6 Credits)

Designed for students supported by an IPP, this course will combine required Phys. Ed. credits with a course that provides specific and targeted strategies, supports, and resources for students to build skills and habits to succeed in high school. Students can expect to learn about social and emotional regulation, study habits and skills, test-taking strategies, communication skills, and self-advocacy skills.

#### Physical Education 10 and CALM (6 Credits)

Combining two graduation requirements into one offering supports students in opening up time and flexibility in their timetables for Grade 11 and Grade 12. Students demonstrating the maturity required to explore their lives after high school and who are considering extended programming (RAP, AP, dual-credit, etc.) should consider this combination.

### Aboriginal Studies

Aboriginal Studies 10/20/30 is designed to enhance both Aboriginal and non-Aboriginal student's understanding of the diverse Aboriginal cultures within Alberta, Canada, and the world. This program will explore the Aboriginal Cultures throughout their history, celebrating the rich traditions of oral knowledge, connections to nature and the continual pursuit of balance among individuals within the structures of family, community and society. As students' progress in their understanding they will reflect on the connections and changes made to the Aboriginal cultures by government legislation,

policies, treaties and the residential school systems. Through this program students will be an active member of reconciliation as they learn the significance of all our responsibilities as Canadians to create change.

## Animation & Design

### Intro to Animation

Put the Principles of Animation to work for you as you use frame-by-frame animation to bring characters and scenes to life! Students will utilize digital software and their creativity to design animated sequences that introduce them to the standards and working processes of industry animators. Imagine your favourite scenes from television, movies, and video games and put yourself in the director's chair.

Students will be introduced to the Elements of Art and Principles of Design, which are fundamental to creating great animation. Try out software like Photoshop, Animate, Blender and others as you discover what it takes to create breathtaking action sequences, heartfelt drama and tell hilarious jokes.

### Intermediate and Advanced Animation

As students progress their skills and have a firm understanding of the Principles of Animation, they take charge of their own path, choosing to focus on an area of the Animation industry that appeals to them. Will you be a frame-by-frame animator, drawing the next eye-popping action anime? Will you be a digital modeler and animator, working on the next award-winning video game? Will you hone your abilities to design and render environments essential to the storytelling of feature films? The universe is at your fingertips when you can create and animate anything you can imagine.

## Architectural Design

### Intro to Architecture 10

Houses, towering skyscrapers, crowd pleasing sports arenas, cozy reading nooks and everything in between! Students will utilize the Principles of Design, their creativity, and digital software like AutoCAD, Revit and more to explore the architectural creation process. Students will be introduced to the standards and thinking processes of architectural designers. Imagine your favourite buildings and the beautiful homes you've always dreamed of living in, coming to life at your fingertips.

Students will be introduced to the Elements of Art and Principles of Design, which are fundamental to creating great architecture. Try out software like AutoCAD, Fusion 360, Revit and more as you discover what it takes to create breathtaking homes, slick interior spaces and learn how structures respond to their surroundings

### Intermediate and Advanced Architecture

As students progress their skills and have a firm understanding of the Principles of Design, human living spaces and ergonomics, they take charge of their own path, choosing to focus on an area of the Architectural studies that appeals to them. Will you be an industrial designer, concept the next sports car or innovative piece of furniture? Will you be an interior designer, carefully curating spaces to individual client tastes? Will you hone your abilities to design and render museums and universities or homes and apartments? The universe is at your fingertips when you can create and design anything you can imagine.

## Art

There are many reasons to take Visual Art. Often the first to come to mind are: opportunities for self-exploration and self-expression, the chance to broaden horizons, build mental focus, physical dexterity, reduce stress, and increase personal enjoyment. However, growing research and statistical evidence also prove that the skills established through the study of art assist students in achieving success in their other courses and meeting the demands of the modern world of work.

Development in the arts helps to create well-rounded students with an appreciation of varied cultures, strong analytical abilities, and a range of communication and interpersonal skills. Students in the Visual Arts learn to understand both 'the big picture' and the nuances within it. They learn to meet a variety of challenges by formulating creative solutions and revisions. These are the sorts of perceptions and abilities that employers and post-secondary institutions seek.

### Art 10

This introductory course allows students to express themselves and develop visual problem solving skills in painting, drawing, ceramics and sculpture. Students learn to manipulate a variety of media in both 2D and 3D art forms. Practice, experimentation and revision are ongoing activities in Art 10 classes. Students extend their knowledge of and familiarity with the elements and principles of design through solving teacher-directed visual problems of unity in the creation of compositions.

### Art 20, 30

Students who are passionate about exploring numerous methods of self-expression in drawing, painting and other 2D work continue in this stream. Students have an opportunity to design projects based on their own interest. They enjoy developing and refining background knowledge in design, color and rendering skills beneficial in many design and fine art professions as well as a body of work that can be used for a portfolio. In addition, students will explore the history of art in Western Culture, and will examine the impact of international influences and modern technology on society within this stream.

### Art 21, 31

Students passionate about exploring numerous methods of self-expression in sculpture, jewellery making and other 3D work continue in this stream. Students have an opportunity to design projects based on their own interest. They enjoy developing and refining background knowledge in design, problem-solving, and sculpting skills that are beneficial in many design and fine art professions as well as a body of work that can be used for a portfolio. In addition, students will explore the history of art in Western Culture, and will examine the impact of international influences and modern technology on society within this stream.

### Advanced Placement® Art

Students who enter this program sequence engage in conceptual work involving self-expression. They complete a body of work for portfolio development while fulfilling the requirements for Art 10, 20, 21, 30 or 31. Students have the opportunity to submit a body of work to be professionally juried. Credit for a university level course may be awarded based on their AP portfolio assessment

## Autobody

Here in our award winning autobody program we combine our first class teacher technicians and the city's newest & best equipped shop with your passion for cars. After completing the introductory course, student cars are the focus in our intermediate and advanced programs. Car club is hosted in our shop every Wednesday after school for all students and we recently had a student say "I wish everyday was Wednesday"! So come on in join our family and make your dreams a reality in our state of the art shop!

## Autobody 10

In this exploratory 5 credit course (with an optional sixth credit). Students complete a 2 week tools and safety course followed by an introductory welding course. In Autobody welding students learn the basic techniques associated with Oxy-acetylene and MIG welding sheet metal. Other projects include using skills such as measuring, sheering, metal braking of sheet metal into a structure project. Next students develop skills and understanding associated with metal finishing including: manipulating, picking and heat shrinking metal. Application of plastic filler combined with sanding and priming of surfaces on a real life body panel. Final application of paint & a design on the panel project that students can take home. A Vehicle Detail course is offered to students who wash 10 cars for one extra credit

## Autobody 20

This program builds on the fundamentals learned in Autobody 10. Students first work on vehicle maintenance and repair to do with Autobody. Trim repair and replacement on project vehicles. Next, building on introductory course skills students work on more intricate sheet metal forming and repair including spot repair and MIG welding techniques. Finally, refinishing repairs in our new downdraft paint booth. Students own project vehicles are welcome, although this is not a requirement. Material costs are charged to students who bring in project vehicles. An optional Touch Up & Finishing course is offered including power polishing for an extra credit.

## Autobody 30

These are advanced courses that build on previous skills and develop new techniques. 30A is a one semester class consisting of five 1 credit courses including buying & selling vehicles, damage analysis and estimate for repairs. They also perform plastic and fiberglass repair using adhesives. Students refinish with base/clear and water-based metallic paint materials. 30B builds on 30A with even more advanced five 1 credit courses including, among others: sectioning cars, welding plastics, glass replacement and custom painting. Students may bring in their own project vehicles to work on in either course, although this is not a requirement. Material costs are charged to students who bring in project vehicles.

## Barbering

Barbering 10/20 offers a direct pathway towards a rewarding career as a barber, providing students with the necessary skills and knowledge to excel in the industry. With a focus on practical training, students will begin earning the required HSA credits for their government licensing exam while in high school. Starting in grade 10, students will dive into foundational barbering techniques, including shampooing, consultations, draping and infection control. They will also gain proficiency in haircutting tools and equipment basics, setting a solid foundation for their journey in the barbering profession.

## Business Studies (Introductory)

In this project-based course, students will explore entrepreneurial innovative ideas, and will research and apply basic marketing, management and financial skills. This course challenges students to expand their confidence, experience, and skills as innovators and leaders.

## Business Studies (Intermediate & Advanced)

Business courses at the higher levels focus on entrepreneurship, marketing, merchandising and business management. Students will apply their knowledge of marketing to plan, develop and manage a business in school. Through this venture, they should expect to assume roles and responsibilities of management in order to coordinate available resources and run the business. As well, students will learn the value in quality customer service and money handling techniques while operating the school store.

## Computing Science (Introductory)

Discover how to use computer programming as a vehicle for creativity, communication, problem solving and fun. Students learn to write instructions for the computer with accuracy and precision. Java Programming allows students to learn the top programming language used in countless websites, cell phones and game consoles.

## Computing Science (Intermediate & Advanced)

Students will understand software development by learning how to layer modular programming approaches over structured programming techniques. They will learn how to design code and debug programs that use a set of data structures. At the advanced level, students will learn how object-oriented programming (OPP) can improve the efficiency of algorithm development and program constitution. They will study set standard abstract data types and the dynamic data structures conventionally used to implement them. Students also learn a number of standard iterative data processing algorithms.

## Construction

### Construction 10

In Construction 10 you will learn how to use all the tools in the shop while working on a furniture project and a house framing project. In this exploratory course, students learn how to safely use hand and power tools along with a variety of construction and furniture making materials as they build projects related to house framing and furniture making. Students will work with project plans and shop drawings to gain an introduction to Construction Trades and Cabinetmaking.

### Construction Trades 20 & 30

In Construction Trades 20 & 30 students learn a variety of skills related to residential construction.

Framing, roofing, electrical wiring, plumbing, project management, stair construction, siding, insulation and drywall are all skills students will be exposed to in the program. The program follows the standards of the Carpentry Apprenticeship and cultivates the skills required for the Skills Alberta Carpentry competition.

"I'm glad I took Construction because it was fun to walk in and work on projects everyday instead of sitting in a desk and taking notes."

### Cabinetmaking 20 & 30

In Cabinetmaking 20, students learn how to build a frame and panel cabinet with doors and drawers. Students also work with veneer and different finishing products in their cabinet. The program follows the standards of the Cabinetmaking Apprenticeship and cultivates the skills required for Alberta Cabinetmaking and Joinery competitions.

In Cabinetmaking 30 students learn how to build tables, chairs, and countertops. Students also work with veneer and learn about tool maintenance. The program follows the standards of the Cabinetmaking Apprenticeship and cultivates the skills required for the Skills Alberta Cabinetmaking and Joinery competitions.

- *A fee is charged to cover the cost of materials if the student wishes to take a project home.*

## Cosmetology

The Cosmetology program is an Apprenticeship program offering 48 (plus) credits towards graduation and the potential to complete the First Period of an Apprenticeship in Hairstyling. After graduating, students can

complete the Alberta Provincial Exams (practical and theory) and begin accumulating work experience hours in a salon. Once students have passed the exams (minimum grade of 70%) and have all their hours, they can apply for their Journeyman License in Hairstyling. If students choose, they may complete an additional Red Seal theory exam in order to receive a Red Seal License in Hairstyling. The Red Seal License is an interprovincial license that allows students to work in any province in Canada.

### Introductory Cosmetology

Wave, curl, and style hair using a variety of equipment, tools, and techniques! This 6 credit exploratory course introduces students to the basics of hairstyling and hair design. Students develop an increased appreciation for personal grooming and the knowledge and skills required to maintain personal health and safety. Students will learn to analyze the condition of the hair and scalp and how to use products and tools safely and effectively. They will also identify the basic structures and functions of nails and perform basic manicures. Students must complete all courses in Introductory Cosmetology 10 in order to advance to Intermediate Cosmetology. *Introductory Cosmetology course fees apply.*

### Intermediate & Advanced Cosmetology

Students will expand on their knowledge gained in Introductory Cosmetology and will acquire new skills in haircutting, colouring, lightening, chemical texturizing and customer service.

*Students must purchase their own personal cutting mannequins (as part of the course fee). Additionally, students have the option to build their own customized professional hairstyling kits which could include various tools and equipment such as combs, brushes, capes, shears, blow-dryer, curling iron, straightening iron, etc. Students earn 20 credits in Intermediate Cosmetology and 20 credits in Advanced Cosmetology. Individuals who successfully complete all of the one-credit modules are eligible to enter into an Apprenticeship and complete the Provincial Trade Exams.*

*We recommend that students maintain a mark of 70% or above in all courses to prepare them for the Provincial Exams. Students are charged a disposable product fee.*

### Esthetics 10

This introductory-level course provides a comprehensive overview of the fundamental principles and practices in esthetics, focusing on both personal grooming and professional techniques. Students will explore various aspects of esthetics, including personal hygiene, sanitation, professional conduct, manicuring, skincare, makeup application, and theatrical makeup. Through a combination of theoretical knowledge and hands-on practical sessions, students will develop essential skills to excel in the field of esthetics.

### Esthetics 20

This intermediate-level course expands upon foundational esthetic principles by integrating advanced techniques, client service skills, and creative projects involving photography and design. Students will explore topics such as advanced facials, spa manicuring, hair removal methods, and client service makeup. Students will undertake an interdisciplinary project integrating principles in photography and design to create a magazine cover photo.

### Esthetics 30

This advanced-level course is designed to elevate students' esthetic skills while fostering innovation and creative expression. Through hands-on learning, collaborative projects, and interdisciplinary exploration, students will develop skills in specialized topics such as nail art, facial and body adornment, hair removal client service, and spa awareness. Students will undertake an interdisciplinary esthetics project integrating technical theatre design, character creation, special effects makeup and photography.

### Creative Writing and Publishing 15

Creative writing provides students the opportunity to learn alongside their peers of all grade levels as they progress from 15 – 25 – 35. Students are encouraged to explore and develop skills in multiple genres including journalism/non-fiction, short story/fiction, poetry/spoken word, script or screen writing, & the novel. Peer editing and both formal and informal sharing of work provides students the confidence and support to pursue their genre interests as they compile a portfolio from which they have

the opportunity to publish from. Students who enroll in this sequence have an interest in creative expression; desire to improve writing skills and a willingness to work collaboratively with other writers. Students will create written texts including poetry and short fiction, understand and write for creative writing markets and publications, and learn to critically evaluate writing in order to improve writing craft and skill.

## Creative Writing and Publishing 25 & 35

Students create written texts including short and long fiction scripts for stage or screen. Students in Creative Writing and Publishing 25 plan a long-term written project to work on through to the end of Creative Writing and Publishing 35 with the intention of publication. Through this process, students collaborate with peers to improve writing, and become more adept with critically evaluating written work and learn to polish writing for the clarity and artistry of communication.

## Culinary Arts

The state of the art commercial kitchen at Lord Beaverbrook HS is designed to be an experiential learning classroom. We strive to motivate students in all aspects of the culinary arts - the production, processing, consumption and marketing of healthy food. We hope that students leave this program with:

- A sense of ownership and accomplishment.
- An understanding of how food is produced and prepared.
- A willingness to try new foods. Life skills, including cooperative work, respect for self and others, active listening and the ability to make healthy food choices.
- The ability to work in a variety of vocations as their skills will transfer.
- A choice to continue their education at SAIT (full time or apprenticeship program), directly pursue a career in the food industry as a Chef or Chef/Owner, design menu plans, become educators.

## Personal Foods – Intro/Inter/Advanced

Personal foods allows students to explore topics and techniques that pertain to creating, cooking, and enjoying food at home. Students learn recipes, techniques, explore a variety of cuisine, and learn about the economics of running a household. Frequent cooking days allow students to try a variety of food and become proficient in many cooking methods.

## Dance

### Highlights

- Major Dance production each semester
- Classes taught in an extra large hardwood sprung dance floor, ideal for reducing dance injuries and enhancing dancers' performances
- Dance Performances in state-of-the-art theatre
- Opportunity to actively participate and choreography dances that students will perform
- Hip hop, jazz, ballet, lyrical, ethnic and more genres of dance offered

### Dance 15

Students who enroll in this sequence learn all aspects of dance including theoretical and technical aspects. Students gain knowledge in leading a healthy lifestyle and practice the skills to be a confident learner and performer. Students work in groups to develop choreographed routines while they explore many different genres of music.

Professional dance studio with hardwood sprung dance floor. Major dance production each semester. Dance performances in state-of-the-art theatre. Opportunity to actively participate and choreograph

dances for student performance. Jazz, hip-hop, lyrical, ballet, Broadway, ethnic plus more genres of dance offered.

### Dance 25, 35

These courses continue to expand on the dance techniques and theory components of the previous dance course. Students will be challenged with more difficult choreography and higher expectations in terms of risk taking and creativity.

- *Students must complete Dance 15 before progressing into these courses. Students are expected to participate in at least one dance performance per semester.*

### Dance Composition 35

This course expands on the dance techniques and theory previously learned, with an additional focus on the principles of composition and performance. Students will study different choreographic principles and incorporate these findings into new work.

- *Students are expected to participate in at least one dance performance per semester.*

### Design Thinking for Innovation

This course provides the opportunity to engage in longer term, increasing complex, personally relevant, design, innovation and invention projects that require a significant investment to conceptualize, design, prototype, iterate, and refine.

### Drama 10, 20, 30

Our Drama program provides students with many theatrical, personal and social opportunities. In the classroom, students are challenged to develop skills in all areas of the theatre and to explore themselves as artists. Students work with every classmate creating and collaborating while developing communication and teamwork skills through active participation. Drama students are given the opportunity to perform for other students in the school if they choose. Drama students also get to enjoy one school trip to the theatre in semester one, to view and critique at least one performance, and in semester two have the opportunity to attend, participate and perform at the Calgary High School Drama Festival.

### Epidemiology

Study of the spread of diseases, pandemics, and illnesses.

### Fashion Studies

After you have completed any one of the three Fashion 10 programs (Fashion Studies 10, Fashion Design 10 or Cosplay 10), you will have the option to register in any of the 20 level programs. Please note you may select more than one Fashion program.

#### Fashion Studies 10

This exploratory course is designed to expand student's knowledge of garment creation. Students gain an understanding of the safe use and care of sewing and pressing equipment, core methods in the layout and construction of garments, develop a basic understanding of computerized embroidery machines, and learn about knit fabrics in the creation of yoga wear. Students who possess initiative, a strong work ethic, and the desire to learn new skills will find success in this course sequence.

#### Fashion Studies 20 & 30

At the specialized levels of Fashion Studies, students will begin by learning to apply sewing skills to specialty fabrics and high-performance sportswear. They will work to tailor a lined coat or jacket and apply sewing skills to advanced specialty fabrics, often creating a gown for graduation. Students will

enjoy the freedom of choosing from a variety of modules of their interest in both the 20 and 30 level courses.

### Fashion Design

Students who enter this stream have a passion for the design aspect of fashion. Students will learn how to draw stylized and technical fashion illustrations while creating a fashion line of clothing. They will apply pattern-making methods to create an original skirt or jacket and learn the techniques of draping. Students will research present and past fashion trends and they will plan and execute a fashion show using merchandising techniques.

### Cosplay 10

Students who enter this stream will explore a variety of characters in Anime, Video Games, Comic Books or Animation and recreate the total look of their selected character. Students might also choose to analyze different costuming requirements and construct a costume specific to our drama productions at the school. Students gain an understanding of the safe use and care of sewing and pressing equipment, and core methods in the layout and construction of garments. Students who possess initiative, creativity, a strong work ethic, and the desire to learn new skills will find success in this course sequence.

### Cosplay 20 & 30

At the specialized levels of Cosplay, students will challenge themselves with using more intricate design details and specialty fabrics to construct their costumes. They will continue to develop and expand their construction skills and knowledge of fabrics. Students will be required to construct multiple pieces to their costume to achieve the complete look of their chosen character. Students will enjoy the freedom of choosing what specific Anime, Video Game, Comic Book, or Animation character they wish to create.

### Film Studies 15

Students who enroll in this sequence have an interest in film and a desire to become a more competent viewer. Students will make cross-cultural comparisons of several animated films and complete an in-depth study of the evolution of the comedy genre from 1931 to the present day. Students will gain an understanding of the literary, dramatic and cinematic aspects of film, with special emphasis on the techniques filmmakers use to create meaning and communicate ideas. A partial list of the films viewed include: *The Matrix*, *She's the Man*, *Up*, *Persepolis* and *Spirited Away*.

### Film Studies 25 & 35

Students examine the characteristics and historical development of several genres, including film noir and continue to refine the skills necessary to deconstruct the many layers of meaning in film. Students study topics such as the studio system, the star system, and the impact of other technologies on movies. While viewing films, or parts thereof, more than once, students research film, including a detailed director study; create detailed film critiques and analyse an actor/actresses' performance in multiple films. A partial list of the films viewed include: *L.A. Noire*, *The Usual Suspects*, *Following*, *Casablanca*, *Apocalypse Now*, *Hearts of Darkness*, *Baraka*, *Time Code* and *The 400 Blows*.

- *It is recommended that students entering the 25 or 35 level, have receive a mark of 50%, and above, in the previous Film Studies course*

### Financial Management

Students will learn the basics of financial practices within organizations including how to read financial statements, accounting and how to make and understand financial decisions.

## Forensic Studies 25/35

Students will investigate and evaluate the processes involved in the collect and preservation of crime scene evidence. Student will explore a variety of occupations and potential career opportunities in the field of forensics.

## French 10/20/30

French Language and Culture is an introduction to French and will familiarize the students with the basics of the language. Units are based on themes related to everyday life and student interests. Students will develop some basic reading, writing, listening and speaking skills. Students will also explore French cultures through media and technology. The intent of this program of studies is to develop the following skills; understandings and attitudes in students, a desire to learn Spanish for personal benefit, an awareness that the Spanish language is used in other parts of the world as a medium for learning and communication and an awareness of the skills and strategies required for intercultural communication

## Graphic Design and Photography

5-6 Credits Available in 10, 20, 30

### Graphic Design and Photography Level 10

Students will experience the worlds of both Graphic Design and Photography through an exploration of concepts and equipment. They will be exposed to technical instruction in industry software including Adobe Photoshop, Illustrator, InDesign, and Lightroom and projects will take advantage of creative maker spaces and equipment in the program, such as our photo studio with industry studio lighting and green screen. Once completed, students will choose either the Graphic Design pathway or the Photography pathway to specialize in at the 20 and 30 levels.

### Graphic Design Level 20 and 30

Students dive deeper into the worlds of Photoshop, Illustrator, and InDesign. They will be exposed to a wider range of concepts including logo design and branding, digital illustration, photo manipulation, and working for a client. Additionally, they will examine potential career options in the fields of design.

### Photography 20 and 30

Students will explore concepts in composition, communication, photojournalism, black and white and colour photography, shooting in a studio setting, and working for a client like Yearbook or Cosmetology. Additionally, they will expand their knowledge of working with the camera manually and with a variety of different lenses.

## Leadership

### Introductory Leadership

This exploratory 5 credit course allows students to make a difference through exciting, student-driven initiatives. Students

Focus on personal leadership development and mentorship as they gain confidence in personal presentation skills. At Lord Beaverbrook, leadership students work to build school spirit through a variety of school-based activities. Components of this course are based on written reflections, assignments, presentations, mentoring contributions, and service hours.

### Intermediate & Advanced Leadership

Leadership for our grade 11 and 12 continues to build on personal leadership development, mentoring others, and learning how to become a "mentee". Each course worth 5 credits, students continue to

work within the school and community through school initiatives, mentorship programs, and community partnerships. Components of these courses are based on written reflections, assignments, presentations, mentoring contributions, and service hours.

## Leadership in the Arts 35

This course is an opportunity for dedicated fine arts focused students to explore the arts to a higher level of professionalism. It was created to help students prepare for career choices in the arts and learn the processes of resume writing, portfolio creation, creating contacts in the arts, marketing, fostering passion for the arts, and demonstrating through records and artifacts, their growth as artists.

In this course students will purposefully reflect upon learning experiences in the Fine Arts disciplines as a cross-disciplinary group; explore how they see themselves as artists; become more aware of the process involved in preparing for the marketing and business aspect of being a professional artist in art, music, drama, dance, design, writing or film.

## Legal Studies

In Legal Studies Intro, students will examine the various divisions of the law with an overview of private law, public law, and relationship law. Students will explore the legal aspects of contracts, the relationship between government and the citizen, and how law affects family members.

In Legal Studies Intermediate, students will focus on more in depth examinations of the divisions of law, with an emphasis on private law. Students will examine employment law, environmental law, family law, law & the traveler, as well as complete a module project.

In Legal Studies Advanced, students will explore the divisions of law with an emphasis on public law. Students will examine criminal law, key landmark decisions in Canadian law, dispute resolution, and then complete two module projects on case studies within these topics.

## Military Studies

In Military Studies 15 and 25, students will inquire into the origins of the military. Students will examine real world conflicts, assess and evaluate military solutions and in the process hone their communication, leadership and decision-making capabilities as informed, responsible and competent Canadians in an increasingly conflict fraught and complex global context.

## Music

Mr. Scott Campbell, Music Director at Lord Beaverbrook, has been teaching with the CBE since 2006. Currently the Learning Leader for the Fine & Performing Arts Department, he oversees all Fine arts programming and is responsible for bands at Beaverbrook. Our performing ensembles will be involved in many concerts, workshops and festivals throughout the year and there will be various travelling opportunities throughout the year. We are set to have an amazing year. Please contact Mr. Campbell at [sacampbell@cbe.ab.ca](mailto:sacampbell@cbe.ab.ca) with any questions about any of our Fine & Performing Arts programming.

Students enrolled in all music sequences at Lord Beaverbrook have numerous mandatory and optional opportunities for performance, including: festivals, and professional clinics/workshops with musicians from around the globe. In addition, all music students have the opportunity to travel provincially, nationally, and internationally during their time at LBHS. Please see the music director for more information.

## Instrumental Music 10, 20, 30 – Brass, Woodwind, Percussion

Students enrolled in this sequence will develop their knowledge and technical abilities relating to their specific instrument. Students participate in group, individual and guest musician instruction to gain

understanding of musical concepts and techniques. This class is located inside of a student's regular timetable. Students co-register in the appropriate Instrumental Music 15, 25, or 35.

- *While beginners are able to join the program in grade 10, it is generally recommended that students have a basic understanding of their chosen instrument and the ability to read standard music notations and musical concepts before entering this sequence. A general fee is associated with this course.*

### Band 15, 25, 35 – Symphonic Band

Students enhance their technical and musical skills while playing in an ensemble setting. Courses are offered outside of a student's regular timetable (in the morning) to allow students to engage in multiple Fine and Performing Arts courses.

- *As this is a co-requisite course, students must be enrolled in Instrumental Music 10-20-30 in order to participate in Band 15-25-35. Students who are enrolled in private music lessons may apply to have this requirement waived. Meeting and audition with Music Director is required.*

### Vocal Music 10, 20, 30

Students who wish to understand singing and music in greater depth enroll in this sequence. Students develop vocal and general music fundamentals.

- *All beginners are welcome! While this course is intended for students who have a basic-intermediate understanding of singing, all aspects of music theory, history, and vocal technique are covered in this course. There is a general fee associated with this course*

### Choir 15, 25, 35 - Concert Choir

Students who enter this sequence enhance their technical and vocal musical skills while performing in an ensemble. Courses are offered outside of a student's regular timetable (in the morning) to allow students to engage in multiple Fine and Performing Arts courses.

- *It is recommended that students have a basic understanding of singing before entering this sequence. Students are required to participate in all rehearsals and performances. There is a general fee associated with this course.*

### Instrumental Jazz 15, 25, 35

Students who want the opportunity to advance their skills, knowledge, and appreciation of the jazz idiom enroll in this sequence. Courses are offered outside of a student's regular timetable to allow students to engage in multiple Fine and Performing Arts courses.

Students must be enrolled in Instrumental Music or have Music Department approval to enter this sequence. Students gain Lord Beaverbrook Music Department approval before entering Jazz 25 and 35. Students are required to participate in all rehearsals and performances.

## Mechanics

### Mechanics 10

In this exploratory course, students develop skills related to the maintenance and repair of motor vehicles. Students learn the proper use of mechanics tools and materials to explore the many components of a vehicle. These components include: engine fundamentals, mechanical systems, pneumatics and hydraulics, electrical fundamentals and ride control systems.

### Mechanics 20

This program builds on the fundamentals learned in Mechanics 10. Students work on project vehicles to practice and learn: braking systems drive line, suspension systems and hydraulic accessories. Students may bring in their own project vehicles to work on, although this is not a requirement.

## Mechanics 30

This is an advanced course that builds on previous skills and develops new techniques. Students work to diagnose engine problems and make decisions on how to solve issues. Students perform engine tune-ups and replacements as well as work on safety and computer systems.

## Medical Studies

### Medical Studies (Introductory)

This exploratory course gives students an overview of the health care system. Students learn basic medical terminology, introductory anatomy and physiology of the body, basic principles of infection and immunity and specific anatomy, physiology, and pathology of the integumentary, musculoskeletal, and cardiovascular systems. Students will have the opportunity to conduct a variety of hands on laboratory experiences to develop an understanding of the human body and medical professions.

### Medical Studies (Intermediate)

Medical Studies for grade 11 delves further into the anatomy, physiology and pathology of the nervous, and reproductive systems.

Students learn about pre-natal care, labour, delivery and post-natal care. Students explore the components of mental well-being including adaptive coping techniques; causes, signs/symptoms, and treatment of common psychological and psychiatric conditions. Students also investigate the concept of public health promotion and prevention techniques by planning and promoting a school wide health and wellness project.

### Medical Studies (Advanced)

In Medical Studies for grade 12, students learn about medical technology used in the diagnosis and treatment of disease and medical conditions. Hands on learning opportunities in biomedical engineering and surgical techniques include the creation of a prosthetic leg and the process of creating incisions and suturing. Students will explore a variety of treatment approaches including traditional and integrative health therapies. They are given the opportunity to study a chronic or acute medical condition of their choosing, learning the process of conducting medical research. Students complete training in Standard First Aid, CPR and Automated External Defibrillation (AED) for adults, children and infants at a health care provider level of certification.

## Psychology

### Personal Psychology 20

Introduces students to the science of the brain and the various branches of psychology, personality development and perception.

### Abnormal Psychology 35

An overview of abnormal behavior and mental conditions that afflict individuals. Learn about views of abnormalities, causal factors, and types of disorders, as well as assessment, prevention, and treatment.

### Applied Sociology 30

Sociology covers group behavior, the meaning of cultural norms, family groups and social classes. This social science class focuses on social problems such as increasing crime rates.

## Cultural Anthropology 30

This course addresses broad questions about what it means to be human in contemporary societies and cultures, as well as those of the recent past.

## Spanish

Spanish Language and Culture is an introduction to Spanish and will familiarize the students with the basics of the language. Units are based on themes related to everyday life and student interests. Students will develop some basic reading, writing, listening and speaking skills. Students will also explore French cultures through media and technology. The intent of this program of studies is to develop the following skills; understandings and attitudes in students, a desire to learn Spanish for personal benefit, an awareness that the Spanish language is used in other parts of the world as a medium for learning and communication and an awareness of the skills and strategies required for intercultural communication

## Sports Medicine

### Sports Medicine - Introductory

Sports Medicine is an option that gives students a hands on approach to the introduction of the bones, muscles, and joints of the body. Students participate and earn certification in first aid and CPR training while learning the practical skills of taping and strapping for injuries and injury prevention and management. Students are encouraged to work closely with athletes and teams to build on the knowledge they gain in class. They are introduced to alternative therapies, like massage, and learn how athletes and others can use them to prevent or recover from injuries. We continue this alternative education in all grade levels of the program.

### Sports Medicine - Intermediate

This intermediate level course specializes in human exercise physiology and its application to athlete's health and performance. Students are certified in Standard First Aid (SFA) and CPR and continue their education of injuries and injury prevention with a focus on concussions. They work as trainers within the school assisting teams and coaches. They mentor junior trainers and help give them a positive experience of putting their newfound knowledge to use. We continue our studies of alternative therapies for injury management with massage and a tour of a physiotherapy clinic.

### Sports Medicine - Advanced

Students expand on their knowledge gained in the previous programs by studying the areas that may result in conditions considered more critical. They continue to learn skills in practical assessment, care and rehabilitation of athletic injuries. They gain certification as Health Care Provider (HCP) the level often necessary for post secondary entry. They play an important role as mentors to the 10's and 20's in the practical component. Students attend a live knee surgery and a tour of the Brian Benson Concussion Institute (BCI) at Winsport. Both experiences help with career exploration in the areas related to Sports Medicine.

## Sports Performance

With the increasing demands of sport today, all levels of this course focuses on the many aspects of the development of an individual's performance and fitness relating to sport. Students will learn about training techniques and actively implement them in a hands-on approach to improve their athletic ability and performance. There are also several off-campus field trips and guest speakers from professionals in the fields of kinesiology and professional sport for all levels.

### Sports Performance - Introductory

Topics covered include proper weight lifting practices, the function and correct technique of the back when lifting, how to improve speed and quickness, basic concepts of nutrition for performance and sports psychology.

### Sports Performance – Intermediate

Building on the previous course, topics covered include group fitness trends, focused nutrition for improved performance in sports, advanced sports psychology techniques, training of the core muscles and overall muscular development for strength, power and endurance.

### Sports Performance – Advanced

As the final course in the Sports Performance pathway, students will investigate, implement, and evaluate advanced training techniques in the areas of Olympic weightlifting, flexibility, cardiovascular training, speed, agility and how to program training for an athlete through the course of a calendar year.

## Technical Theatre 15, 25, 35

Students enrolled in this course have an interest in being part of the "magic" behind the scenes. Like the man behind the curtain in the Wizard of Oz! Students in these courses have opportunities to design and build all aspects of a show related to prop and set design/construction, hanging and focusing lights, recording and mixing sound in our professional grade technical booth/recording studio in our state-of-the-art 460 seat theatre. Students enrolled in these courses have multiple opportunities to be stage managers, props masters, costume designers, make up artists and designers, light board operators, and soundboard/computer operators for our theatrical productions, as well as outside bookings of our theatre.

## Fabrication (Welding)

### Welding 10

In this exploratory course, students are introduced to oxyacetylene welding, electric welding and semi-automatic welding. Students become familiar with the use of cutting, bending, fastening and welding processes. Welds are completed in the flat and horizontal positions. A fee is charged to cover the cost of personal safety equipment and project materials.

### Welding 20

Welding 20 specializes in the advanced training of varying welding types. Students develop more in-depth knowledge and skills of oxy-fuel welding, shielded metal arc welding and gas metal arc welding. Students complete groove and fillet welds on 3/8" plate in the flat and horizontal positions. Students learn how to design a project involving cost estimation, parts breakdown, understanding structural strength, esthetics and client deadlines. A fee is charged to cover the cost of personal safety equipment and project materials.

## Welding 30

Through the process of design and planning, students develop industry level skills in welding and fabrication applications for client needs. Students develop advanced knowledge and skills in shielded metal arc welding and gas metal arc welding. Groove and fillet welds on 3/8" plate are completed in the vertical and sometimes overhead positions. Students learn how to design a project involving cost estimation, parts breakdown, understanding structural strength, esthetics and client deadlines. A fee is charged to cover the cost of personal safety equipment and project materials. Student-designed personal projects are a separate fee from the course fee.

## Women in Trades

Embark on an empowering journey in our Women In Trades Class! This unique program invites young identifying women to dive into the world of construction and mechanics, offering a valuable introduction to these dynamic trades. Gain hands-on experience, earn 6 credits, and unlock a pathway to exciting opportunities in multiple spaces as this course will give you the skills necessary to move directly onto Intermediate Mechanics, Cabinetmaking, and/or Building Trades. Our safe and welcoming space is designed to foster confidence, skill development, and teamwork. Join us to build, create, and pave the way for your future in the trades!   #WomenInTrades #EmpowerHerJourney