



# Joane Cardinal-Schubert High School

## Complementary Course Guide

Inclusive



Active



Meaningful



# 2026-2027

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Calgary Board  
of Education

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## Welcome to Joane Cardinal-Schubert High School!

We look forward to you joining us for the 2026-2027 school year. The following guide is a listing of the complementary courses that we are hoping to provide for the upcoming school year. All courses offered at JCS are done so based on student interest, enrolment, and available school resources. Note that some courses have fees that are associated with them and for those there is the estimated fee provided for your information. Please choose your complementary courses thoughtfully as there may be limited chances of changing courses at a later date.

For more information about high school programming and sequencing, required and complementary courses and programs, and graduation requirements please see the CBE document “Get Ready, Get Set, Go For It” ( <https://www.cbe.ab.ca/programs/high-school/Documents/Get-Ready-Get-Set-Go-For-It-Short.pdf> )

## Career & Technology Studies (CTS) Courses

### Business Administration, Finance & Administration

#### Business Studies

#### **Business Studies 10 (5- one credit courses)**

Business Studies 10 is an introductory course that investigates the nature and purpose of business. The main focus will be to gain a fundamental understanding of entrepreneurship, business organization, planning, marketing, and spreadsheets. Business Studies 10 allows students to develop a variety of transferable skills that can improve their chances of being hired and that will be helpful lifelong regardless of what career path students take.

**Prerequisite: None**

#### **Business Studies 20 (5- one credit courses)**

Students will develop their skills with respect to analyzing business ventures through the examination of realistic case studies. Following this holistic introduction, students will focus on learning the skills necessary to develop a business idea and formulate a credible business plan. Key components of the business plan will be examined in detail, namely finance and marketing.

**Prerequisite: None, preference will be given to students who complete Business Studies 10**

#### **Business Studies 30 (5- one credit courses)**

This class is typically taken by students who have previously studied Business Studies. Students will study fundamental economic theory from both a domestic and international perspective, as well as Supply Chain Management. Students will examine organizational and management theories. In addition, students will have the opportunity to complete a business book study of their choice. This course is an excellent pre-cursor for anyone who is considering post-secondary business program.

**Prerequisite:** None- preference will be given to students who complete Business Studies 20

## Computing Sciences

### **Computing Sciences 10 (5- one credit courses)**

Students will be introduced to fundamental programming, computer science, and web development concepts. Students learn to program using JavaScript along with industry relevant tools to develop interactive programs and learn to use HTML and CSS along with their JavaScript skills to explore the basics of web development.

**Prerequisite: None**

### **Computing Science 20 (5- one credit courses)**

Students will build on their programming knowledge and skills learned in Computing Science 10. Students will explore more advanced techniques in web development, data structures, and project planning and development.

**Prerequisite: Computing Sciences 10**

### **Computing Sciences 30 (5- one credit courses)**

Students will study advanced topics in computer science and its specific applications in web development. Students work towards industry standard skills and approaches to web development, primarily focusing on the planning and development of portfolio-ready projects.

**Prerequisite: Computing Science 20**

## Legal Studies

### **Legal Studies 10 (5- one credit courses)**

This course introduces public, private, and relationship/family law. This course will include debates, discussions, case studies, and mock trials. Legal Studies 10 is intended to be fun, informative and inspiring.

**Prerequisite: None**

### **Legal Studies 20 (5- one credit courses)**

This course enables students to gain a deeper understanding of the Canadian legal system. An emphasis is placed on aspects of law that have a particular relevance to the young citizen. Topics investigated may include, but are not limited to: employment law, environmental law, Aboriginal law, and law of the traveler. Students will learn through case analysis, current events, film clips, guest speakers, and peer presentations. To be successful in this course, students must have a sound command of the English language, enjoy reading and writing, and be prepared to

participate in lively discussions and question periods.

**Prerequisite: None, preference give to student who complete Legal Studies 10**

### **Legal Studies 30 (5- one credit courses)**

Law is a critical element of our culture. The purpose of this course is to provide students with an opportunity to investigate a wide range of legal issues that impact their daily lives. Topics investigated may include, but are not limited to: property law, negligence, criminal law, dispute resolutions, and landmark decisions. Students will learn through case analysis, current events, film clips, guest speakers, and peer presentations. To be successful in this course, students must have a sound command of the English language, enjoy reading and writing, and be prepared to participate in lively discussions and question periods.

**Prerequisite: None, preference give to student who complete Legal Studies 20**

## **Health Recreation & Human Services**

### **Cosmetology**

#### **Cosmetology 10 (5- one credit courses)**

Are you interested in both hairstyling and esthetics? If so, Explore Cosmetology is for you! This course is for students who would like to explore the practical and theoretical skills of both trades. Skills developed and explored in this course from the introductory to senior level may include, but are not limited to, safe and sanitary practices, parting, braiding, skin care practices, manicuring, makeup, consultation and draping, shampooing, thermal blow dry styling, facials, hair removal, theatrical makeup, wet setting, facial and body adornment, spa awareness, updo and upstyling techniques, and colouring hair.

**Prerequisite: None**

**Estimated course fee: \$85**

#### **Cosmetology 20 (6- one credit courses)**

This course is designed for students who are interested in Cosmetology but are not seeking credentials. Students in this program will build on the skills they learned in Cosmetology 10 and develop more hairstyling techniques. Students must have successfully completed the prerequisites in the Cosmetology 10 modules they wish to study at the 20-level. Students will be expected to do practical work on mannequins, each other, and some clients.

**Prerequisite: Cosmetology 10**

**Estimated course fee: \$85**

#### **Cosmetology 20- Full Year (10+- one credit courses)**

This course is designed for students who are interested in Cosmetology and Esthetics. Students in

this program will build on the skills they learned in Cosmetology 10 and develop more advanced hairstyling techniques, as well as manicuring, skin care, hair coloring, and haircutting. Students must have successfully completed the prerequisites in the Cosmetology 10 modules they wish to study at the 20-level. This course will fill one period each semester to create a full year program. Students will be expected to do practical work on mannequins, each other, and some clients.

**Prerequisite: Cosmetology 10 (Intro)**

**Estimated course fee: \$150**

### **Cosmetology 30 (6- one credit courses)**

This course is designed for students who are interested in Cosmetology but are not seeking credentials. Students in this program will build on skills they learned in Cosmetology 20, working to develop more advanced skills in hairstyling, braiding, manicuring, skin care, make up, and spa awareness. This course will fill one period during one semester. Students will be expected to complete practical work on each other and some clients.

**Prerequisite: Cosmetology 20**

**Estimated course fee: \$80**

### **Cosmetology 20**

This is a full-year Cosmetology and Esthetics course. This course is designed for students who have a passion for Cosmetology and wish to explore a wider range of relevant modules. For more details, please contact the school.

**Prerequisite: Cosmetology 10 (Intro)**

**Cosmetology 30 Apprenticeship Pathway (credits varies on modules completed)**

This course is designed for students who have a passion for Cosmetology and wish to pursue it as a career. Students in this course must complete 50 modules during 1400 hours of classroom instruction. These students must be highly committed and professional. Students will build on the skills they learned in grade 10 and begin to develop new, professional skills in the areas of hairstyling, haircutting, hair coloring, chemical texturizing, and salon business. This course fills 2 blocks of the timetable, one each semester, and requires a high level of commitment. Student attendance is tracked and any hours that are missed must be made up. Students will be required to participate in a 'client service night' that will occur outside of the regular timetable. Students in this class will be expected to do practical work on clients and to demonstrate professional salon behavior.

**Prerequisite: Various depending on the modules**

**Estimated course fee: \$80**

### **First Responder**

#### **First Responder 10 (5- one credit courses)**

In First Responder 10, students are introduced to and supported by First Responder agency professionals. This allows students to be of service to others, make their school and community

safer, learn important life skills, obtain emergency medical training, and explore the medical sciences before leaving high school. This is a meaningful program that supports student learning, school safety, wellness, leadership, teamwork, community involvement, and it provides students with an idea of what a career in the First Responder field may be like. The First Responder course trains and certifies individuals in Standard First Aid in order to arrive at and respond to an emergency to assess hazards, provide efficient, effective, and accurate pre-hospital care. Students assess patients for wounds to determine if trauma, shock, burns or closed airways are a problem and how to address those issues by dressing wounds, stabilizing the patient, and providing basic life-saving measures. They immobilize patients and address common emergency medical issues with basic treatments, prior to the arrival of Medical First Responders. The course introduces some of the specialized training for Fire Fighters such as low visibility dexterity and orientation drills and the use of NFPA standard structural fire-fighting gear and SCBA to perform basic search and rescue strategies and victim location. This course includes a variety of hands-on, industry-standard, practical experiential learning opportunities.

**Prerequisite: None**

**Estimated course fee: \$90 (including First Aid certification)**

### **First Responder 20 (5- one credit courses)**

This course is for students who have demonstrated success with First Responder 10 (Intro) and continue to have an interest in being of service to others, making their school and community safer, learning important life skills, obtaining higher-level emergency medical training, and further exploring the medical sciences as a career as a First Responder. Students will have continued access to and support from First Responder Agency Professionals. This course will focus on dealing with more advanced first aid concepts and training on the use of AED's as well as how to deal with traumatic type injury care and specialized life-saving emergency measures to use wound packing and tourniquets to "Stop the Bleed - Save A Life Trauma Care Response." Students will receive First Responder safety-focused training on specific topics including basic fire behavior and general fire safety, electrical safety, ladder safety, hazard assessment, and HAZMAT basic awareness and response. The course will build on the First Responder 10 program outcomes of orientation drills and basic search and rescue tactics and develop tactical and critical thinking skills and rational thinking to deal with confined spaces and entrapment exercises to simulate a firefighter escape during building collapse scenarios as one of the major projects for the course. This course includes a variety of hands-on, industry standard and practical experiential learning opportunities.

**Prerequisite: First Responder 10**

**Estimated course fee: \$75**

### **First Responder 30 (5- one credit courses)**

Students who continue to have an interest in pursuing a career as a First Responder after the successful completion of the First Responder 20 (Inter) program should register for this course. Students will have continued access to and support from First Responder Agency Professionals. This course will focus on students completing the highest level of First Aid certification: Health Care Provider (HCP). Students will explore the legalities of an Emergency First Responder and deal with the ethical and legal issues concerning emergency care as well as the Professional Standards & Ethics that govern First Responders. Students will also develop an understanding of



the impact of job stressors on a first responder and how exposure to such events and emergency scenes can affect a first responder's mental health. Students will then explore the support networks and organizations that exist as well as the internal support structure provided with Critical Incident Stress Management (CISM) Teams. Students will also develop an understanding of the Incident Command Structure that exists in First Responder Agencies, which will lead to the major project for the course. The major project for the course is a planned and organized multi-agency response to a natural disaster or a mass casualty incident where First Responder Agencies work together to bring order and control of such an event. This course includes a variety of hands-on, industry standard and practical experiential learning opportunities.

**Prerequisite: First Responder 20**

**Estimated course fee: \$25 plus cost of field trips**

## **Foods Culinary Arts**

Welcome to JCS High School Culinary Arts, where learning tastes amazing! Get ready to step into an exciting and hands-on program. The Culinary Arts program is designed especially for students who love food, creativity, and teamwork. In course in the program, students will work in a fully equipped commercial kitchen, rotating through three specialized stations (Hot, Cold, and Bakery) with each led by a professional Red Seal chef or baker. Whether you're thinking about a future in the food industry or just want to be able to make great meals at home, this class full of flavour.

### **Foods Culinary Arts 10/20/30 (5 credits per course)**

**Foods Culinary Arts 10:** Learn the basics of cooking, baking, safety, and kitchen equipment.

**Foods Culinary Arts 20:** Build confidence as you expand your skills, explore new flavours, and take on more detailed recipes.

**Foods Culinary Arts 30:** Continue developing your abilities with new techniques, more challenging dishes, and increased independence in the kitchen.

**Prerequisite for Foods Culinary Arts 10: None**

**Prerequisite for Foods Culinary Arts 20: Foods Culinary Arts 10**

**Prerequisite for Foods Culinary Arts 30: Foods Culinary Arts 20**

**Estimated per course fee: \$100**

## **Culinary Arts Apprenticeship Pathway**

Alberta high school students who successfully complete all courses in Career and Technology Studies (CTS) Apprenticeship Pathway are eligible to write the Apprenticeship and Industry Training exam for advanced standing in the first period of technical training for that trade. Following high school completion, a student can register as an apprentice by obtaining employment with a sponsor of apprenticeship, signing a Contract of Apprenticeship with the



employer and Apprenticeship and Industry Training; the student must meet the entrance requirements for the trade. For further information and requirements please speak to the program teacher.

**Estimated course fee: \$100, in addition to other certification fees.**

## **Sports Medicine**

### **Sports Medicine 10 (5- one credit courses)**

Sports Medicine 10 includes an extensive introduction to anatomy (bones, muscles, and joints) and their relation to athletic injuries. Modules may include: Musculo-Skeletal System 1, Injury Management 1, Health and Wellness Fundamentals, and Technical Foundations for Injury Management. Students will also become CPR & AED certified by the Canadian Red Cross. The practical component of the course will involve an introduction to athletic taping and wrapping. Students will be required to complete 15 observational hours of athletics, outside of regular school hours.

**Prerequisite: None**

**Estimated course fee: \$100**

### **Sports Medicine 20 (5- one credit courses)**

Sports Medicine 20 includes the study of human physiology, athlete health and performance, and an introduction to injury rehabilitation. Recognition and treatment of injuries is the focus; students will learn by using their background in anatomy and through progressive teaching of more advanced taping and wrapping skills. Modules may include: Anatomy of Joints, Injury Management 2, Pain and Pain and Management, Standard First Aid and CPR with AED Certification, and CTS Project credit (which involves the opportunity to train a JCSHS athletic team). Students will be required to complete a minimum of 25 hours as trainers; therefore, students must be prepared to dedicate a significant amount of time before and after school within the training environment.

**Prerequisite: Sports Medicine 20**

**Estimated course fee: \$140**

### **Sports Medicine 30 (5- one credit courses)**

Sports Medicine 30 is designed for anyone with an interest in advanced anatomy and physiology, or those students interested in pursuing Kinesiology, Physiotherapy, and other related medical fields. Students are introduced to a variety of post-secondary opportunities and advanced rehabilitative methods within the city. Modules available to students may include Human Movement, Injury Management 3, Health Care Provider & CPR Recertification, CTS Project credit as Head Trainer within our own Raven Athletics.

**Prerequisite: Sports Medicine 20**

**Estimated course fee: \$140**

## Media, Design & Communication Arts

### **Film and Media Studies**

#### **Film and Media Arts 15 (5 credit course)**

Film and Media Arts is the perfect course for students who love movies and have a keen interest in how they are made. We will watch and analyze incredible films from the modern era, and specifically study them for their cinematography, editing, sound design and more. We will also use state of the art equipment to create our own short films, learning the basics of how to use mirrorless cameras, different lenses, and the computer software used to grade and edit today's films. If you have an interest in film making and you love media arts, this is the course for you.

**Prerequisite: None**

#### **Film and Media Arts 25 (5 credit course)**

Film and Media Arts 25 is an intermediate course which builds on and expands the concepts taught in Film and Media arts 15. In this course we take our technical knowledge to the next level and start applying new lighting and camera techniques. We will use new technologies like Gimbals, Log footage and more to make our movies look like the pros. With a good foundation for film analysis established in 15, Students will now be able to dig deeper into the films we watch in class.

**Prerequisite: Film and Media Arts 15**

#### **Film and Media Arts 35 (5 credit course)**

In Film and Media Arts 35, students will be free to pursue their own independent projects and draw on all their expertise to create meaningful projects for use in post-secondary portfolios and beyond. There will be options for these students to assist with school wide projects like the Grad Video and in the filming of school events. Projects and analysis at this level will be very advanced and personal, and students will have access to our best gear and equipment so that they can make the movies of their dreams.

**Prerequisite: Film and Media Arts 25**

### **Photography**

#### **Photography 10 (5- one credit courses)**

This introductory course will explore the fundamentals of using a Digital SLR camera. Students will use manual settings (aperture and shutter speed) to capture the elements and principals of a photograph. They will critically assess their pictures' composition, lighting, and details, and make adjustments using current photography software (Adobe Lightroom and Photoshop). Additionally, students will explore some basic concepts in Graphic Design and use Photoshop to develop some of those skills. Projects will be given to develop individual and team problem solving designs using a variety of electronic presentations.

**Prerequisite: None**

### **Photography 20 (5- one credit courses)**

This intermediate course will provide an opportunity for students to further develop their Digital SLR camera knowledge and techniques. Students will delve deeper into the photographic process, learning more about the camera, its various lenses, and the power of its settings. Students will reflect on the artistic process and apply a critical eye to their world and the art they create. Intermediate students will be introduced to electronic layout and publishing techniques, and storytelling with photographs.

**Prerequisite: Photography 10**

### **Photography 30 (5- one credit courses)**

This advanced course will give students the opportunity to create a portfolio of work that challenges their creativity from a journalistic perspective, enhancing their media and technology literacy. Students will be introduced to staged lighting, creating 'High Fashion' settings for their subjects utilizing such equipment as strobe lights, soft boxes, and photo filters. Students will create art through photography, printing, and digital imaging.

**Prerequisite: Photography 20**

## **Natural Resources**

### **Outdoor Pursuits**

#### **Outdoor Pursuits 10 (5- one credit courses)**

Outdoor Pursuits 10 fosters an understanding and appreciation of the environment around us. Students will be exposed to opportunities and experiences to create a lifelong love of outdoor recreation while possessing the knowledge and skills required to safely participate in the outdoors. Students will also examine how to be outdoor enthusiasts while developing an understanding of how to protect our environment. Students will be expected to take part in two mandatory days and one overnight off-campus trip to enhance learning and to complete some modules. The course fee does not include the cost of field trips. Depending on travel locations, field trip fees will be assessed at the time of the course.

**Prerequisite: None**

**Estimated course fee: \$25, plus costs of field trips**

#### **Outdoor Pursuits 20 (5- one credit courses)**

Outdoor Pursuits 20 classes foster an understanding and appreciation of the environment around us. Students will be exposed to opportunities and experiences to create a life-long love of outdoor recreation while possessing the knowledge and skills required to safely participate in the outdoors. Students will also examine how to be outdoor enthusiasts while developing an understanding of how to protect our environment. In order to build on skills learned in Outdoor

Pursuits 10, there will be mandatory single day and multi-day off-campus trips to enhance learning that students will be expected to participate in. Students are expected to stay on top of their studies in their other classes to participate in these trips, as they are required to complete outcomes in certain modules. The course fee does not include the cost of field trips. Depending on travel locations, field trip fees will be assessed at the time of the course.

**Prerequisite: Outdoor Pursuits 10**

**Estimated course fee: \$25, plus costs of field trips**

### **Outdoor Pursuits 30 (5- one credit courses)**

Outdoor Pursuits 30 classes foster an understanding and appreciation of the environment around us. Students will be exposed to opportunities and experiences to create a life-long love of outdoor recreation while possessing the knowledge and skills required to safely participate in the outdoors. Students will also examine how to be outdoor enthusiasts while developing an understanding of how to protect our environment. In order to build on skills learned in Outdoor Pursuits 20, there will be mandatory single day and multi-day off-campus trips to enhance learning that students will be expected to participate in. Students are expected to stay on top of their studies in their other classes to participate in these trips, as they are required to complete outcomes in certain modules. The course fee does not include the cost of field trips. Depending on travel locations, field trip fees will be assessed at the time of the course.

**Prerequisite: Outdoor Pursuits 20**

**Estimated course fee: \$25, plus costs of field trips**

## **Trades, Manufacturing & Transportation**

### **Construction Technology**

#### **Construction Technology 10 (Intro) five 1 credit courses**

Construction Technology 10 focuses on reading, developing, and drawing accurate plans, solving construction related problems and developing safe and efficient work habits in a construction environment. Students will build several projects intended to teach the fundamentals of woodworking. The students will be expected to pay for the cost of materials for their projects. The course is best suited for students with strong independent work habits.

**Prerequisite: None**

**Estimated course fee: \$140**

#### **Construction Technology 20 (Inter) five 1 credit courses**

Construction Technology 20 is designed for students who enjoyed and excelled in Construction Technology 10. Each year, students will use complex and multi-faceted plans to develop and build a cabinet or small furniture project. Students will use a variety of construction techniques developed for solid wood and manufactured material construction. Students will build several project components and will be responsible for the cost of their materials. This is a fast-paced and highly demanding course. Students will need a high level of maturity and motivation as well as strong independent working skills. **Students registering for this will select Construction**

**Multi-level when choosing the course.**

**Prerequisite: Construction 10**

**Estimated course fee: \$140**

### **Construction Technology 30 (Adv) (5- one credit courses)**

Construction Technology 30 is designed for students who enjoyed and excelled in Construction Technology 20. Each year, students will use complex and multi-faceted plans to develop and build a cabinet or small furniture project. Students will use a variety of construction techniques developed for solid wood and manufactured material construction. Students will build several project components and will be responsible for the cost of their materials. This is a fast-paced and highly demanding course. Students will need a high level of maturity and motivation as well as strong independent working skills. **Students registering for this will select Construction Multi-level when choosing the course.**

**Prerequisite: Construction 20**

**Estimated course fee: \$140**

## **Robotics**

### **Robotics 10 (5- one credit courses)**

Robotics 10 students will explore topics in basic electrical circuit analysis and assembly, as well as computer aided design (CAD) for part modeling and 3D printing. The course fee covers students' electronics components kits as well as consumable material for 3D printing.

**Prerequisite: None**

**Estimated course fee: \$100**

### **Robotics 20 (5- one credit courses)**

Robotics 20 and 30 classes work together as a team to develop a robot to compete within the FIRST Tech Challenge robotics competition. As a part of a larger team, students have the flexibility to explore and engage with specific topics and systems within robotics design that fit their individual interests. The course fee covers competition registration, students' toolkits, and consumable materials used by the class.

**Prerequisite: Robotics 10**

**Estimated course fee: \$100**

### **Robotics 30 (5- one credit courses)**

Robotics 20 and 30 classes work together as a team to develop a robot to compete within the FIRST Tech Challenge robotics competition. As a part of a larger team, students have the flexibility to explore and engage with specific topics and systems within robotics design that fit their individual interests. The course fee covers competition registration, students' toolkits, and consumable materials used by the class.

**Prerequisite: Robotics 20**

**Estimated course fee: \$100**

## Complementary Courses

### Aboriginal Studies

#### **Aboriginal Studies 10 (5 credits)**

Aboriginal Studies 10 is based on the perspectives and worldviews of First Nations, Métis and Inuit peoples. Through this course students will be taking a holistic approach to learning about the cultures, worldviews, values and traditions of Indigenous people in Canada and specifically Alberta. Students will have an opportunity to learn from the land and gain first-hand experience and knowledge from local Elders and Knowledge Keepers.

**Prerequisites: None**

**Estimated course fee: Cost of Field trips(s)**

#### **Aboriginal Studies 30 (5 credits)**

In this course students will gain a greater understanding of the current issues facing Aboriginal peoples worldwide. Aboriginal Studies 30 enables students to demonstrate a deeper understanding of complex issues like land claims and self-governance. Through land-based teachings and experiences with local Elders and Knowledge Keepers, we will take a holistic approach to learning about these topics. The four themes in Aboriginal Studies 30 are: Aboriginal Rights and Self-government; Aboriginal Land Claims; Aboriginal Peoples in Canadian Society; and Aboriginal World Issues.

**Prerequisites: Grade 11 or 12 student**

**Estimated course fee: Cost of field trip(s)**

### Astronomy

#### **Astronomy 15 (5 credits)**

Discover the sky above you. Astronomy 15 is an introductory, hands-on science option for students interested in planets, stars, and the motion of celestial objects. Students develop foundational skills in observing the daytime and nighttime skies using tools such as binoculars, lenses, and telescopes. Through practical sky surveys and simple astrophotography techniques, students learn how the Sun, Moon, and planets move, why the sky changes throughout the year, and how astronomers use observation and measurement to understand the universe. Students also explore stellar evolution, basic sky mapping, the effects of light pollution, space exploration methods and the history of early astronomical models. Emphasis is placed on building scientific literacy through sketches, diagrams, field notes, and real data interpretation. No prerequisite required—open to all students curious about the universe.

**Prerequisite: None**

**Estimated fees: Cost of field trip(s)**

### **Astronomy 25/35 (2- three credit courses)**

While inundated with space and astronomy in modern media, many students remain unaware that the sky is constantly changing above them. Using a variety of astronomical tools; telescopes, binoculars, and lenses, students in the Astronomy sequence will experience first-hand observations that foster foundational understandings, including: Knowledge of the position and motion of celestial objects; The ability to explain nucleosynthesis and stellar evolution; Knowledge of historical models of astronomy, cosmology and astrophysics; Competency in basic astrophotography; Applications of Einstein's Theory of Relativity; and Knowledge of space exploration and flight dynamics.

Field experiences will offer practical application to observe and document the various objects visible in the day and night skies. Students will use their field experience observations to develop and reinforce the learning outcomes within this course sequence. Field experiences and observations are dependent upon the teacher and school's ability to offer them and the student's ability to participate. Alternative methods for field experiences and gathering observations may be considered (i.e. remote observations online).

**Prerequisite: Astronomy 15 or Science 10**

**Estimated course fee: Costs of any field trip(s)**

### **Creative Writing and Publishing**

#### **Creative Writing and Publishing 15 (5 credits)**

At the entry-level of Creative Writing, students have the opportunity to explore their creative side. While developing their personal writing style, students are introduced to a variety of genres, including fiction, non-fiction, poetry, script writing, and oral storytelling practices. Students support each other through discussions and peer editing. Students will explore writers' markets and self-publish their work.

**Prerequisite: None**

**Estimated course fee: \$5**

#### **Creative Writing and Publishing 25 (5 credits)**

As a student progresses through the Creative Writing and Publishing courses, they will continue developing and building a portfolio of their written work. Students will broaden their scope of themes and genres and push themselves to create longer and more sophisticated texts. Students will become more adept at evaluating and improving their own writing. Students will research writers' markets and publication methods that cater to their personal writing style. Collaboration and working with peers continue to be an integral part of the writers' workshop environment.

**Prerequisite: Creative Writing 15**

**Estimated course fee: \$5**

#### **Creative Writing and Publishing 35 (5 credits)**

As a student progresses through the Creative Writing and Publishing courses, they will continue



developing and building a portfolio of their written work. Students will broaden their scope of themes and genres and push themselves to create longer and more sophisticated texts. Students will become more adept at evaluating and improving their own writing. Students will research writers' markets and publication methods that cater to their personal writing style. Collaboration and working with peers continue to be an integral part of the writers' workshop environment.

**Prerequisite: Creative Writing 25**

**Estimated course fee: \$5**

## Forensics

### **Forensics 25/35 (6 credits, 3 credits per course)**

Forensic Studies is the study of the collection and subsequent application of evidence related to solving crimes. Students will explore the several types of evidence present in a crime scene and analyze evidence to make inferences. Students will also learn how basic scientific concepts influence this field of study. Topics covered in Forensic Studies include evidence and fingerprint analysis, trace evidence, detection of impaired driving, polygraphing and document analysis, and forensic genetics. Due to the graphic nature of some course material, this course may not be suitable for everyone.

**Prerequisite: Science 10**

## General Music

### **General Music 10 (5 credits)**

From Vinyl to Spotify: The Legacy of Pop & Rock 10 - In this music class, students will explore music through the lens of pop and rock including elements of music history including some Pop/Rock, music making through online digital audio workstations (DAW), exploring technology in music, basic music theory, and careers in music. This course is for all students who are interested in a broad spectrum of musical experiences within a non-performance-based environment. No prior music experience is required!

**Requisite: None**

**Estimated course fee: \$40**

### **General Music 20 (5 credits)**

From Vinyl to Spotify: The Legacy of Pop & Rock 20 - A continuation of concepts from Vinyl to Spotify 10, students will continue to explore music making through digital audio workstations (DAW), music theory, elements of music history including some Pop/Rock, exploring technology in music, and additional elements including World Music. This course is for all students who are interested in a broad spectrum of musical experiences within a non-performance-based environment. No prior music experience is required!

**Requisite: General Music 10**

**Estimated course fee: \$40**

## **Learning Strategies**

### **Learning Strategies 15 (3 or 5 credits)**

Learning Strategies 15 is an introductory course where students recognize that there are a variety of learning styles and learning preferences. They will investigate and identify their own learning strategies, challenges, aptitudes, interests and affinities. This personal connection to learning will maximize their learning potential and increase academic success.

**Prerequisite: None**

### **Learning Strategies 25 (3 or 5 credits)**

In Learning Strategies 25, students will identify specific qualities of their personal learning styles and preferences, while demonstrating knowledge of personal learning. As students work towards achieving independence as learners, they will refine their repertoire of accommodations and strategies. This will maximize their learning potential as they reassess their strengths and limitations as learners. This cycle of awareness, responsibility, accountability and reflection will be instrumental for students at this level to find success as independent learners who are able to self-advocate.

**Prerequisite: Learning Strategies 15**

### **Learning Strategies 35 (3 or 5 credits)**

At the 35 level, students are expected to apply knowledge of, and communicate clearly about, their personal learning styles and preferences in a variety of contexts. As a result, they will demonstrate their awareness of how these styles and preferences impact their personal learning. They will be able to independently apply, modify and reflect upon the effectiveness of organizational and management strategies in various settings. Senior students will independently self-advocate so that they are able to manage their own learning as they leave high school and become life-long learners.

**Prerequisite: Learning Strategies 25**

## **Mathematics**

### **Competencies in Math 15 (5 credits)**

Competencies in Math is designed for students who have demonstrated a basic understanding (achieved mostly 2s) in Grade 9 Math. Math 15 students would intend to complete Math 10C, but would benefit from review of key Grade 9 skills prior to enrolling in Math 10C. Math 15 students would particularly benefit from review of the following skills: Performing operations on powers and understanding exponents; Understanding rational numbers (comparing, ordering, and computation); Using linear relations to solve problems through graphing; Solving Linear Equations

and Inequalities; Simplifying Polynomials (adding, subtracting, and multiplying/dividing by monomial). This course does not replace the Mathematics courses required to achieve a Diploma or Certificate of High School Achievement. This course is also not a prerequisite for Mathematics 10C or Mathematics 10-3.

**Prerequisite: None**

## Psychology and Sociology

### Psychology 20 (General and Personal) (5 credit)

Throughout Psychology 20, students explore views on general and personal psychology, examine different mental health disorders, and learn about research methodology in psychology. In addition to these core elements of the course, students examine the roles and responsibilities of how to manage legal and ethical responsibilities when working in helping relationships.

**Prerequisite: Grade 11 or 12 students**

### Sociology 30/Psychology 30 (6 credits- three per credit course)

In this course, students will gain a comprehensive understanding of Psychological and Sociological Schools of Thought. The two courses that make up this particular course are Experimental Psychology 30 and Applied Sociology 30.

**Prerequisite: Grade 11 or 12 students**

## English as an Additional Language (EAL) Courses

### Canadian Studies 15/25 (5 credits per course)

Canadian Studies 15 is a foundational course for EAL learners, especially students at LP1-LP3 or those new to Canada. The course builds essential background knowledge about Canadian geography, history, government, and current issues. Students develop vocabulary, reading, writing, and discussion skills while learning about the people, places, and events that shape Canada today. This supportive, content-light introduction prepares students with the knowledge and skills they need before taking Social Studies 10-2.

**Prerequisite: EAL LP 1-2**

### Expository Writing 15/25 (5 credits per course)

Expository Writing 15 is an excellent foundational course for EAL students, especially those at LP1-LP3 who need structured support in academic writing. The course teaches clear paragraph and

essay structure, including topic sentences, supporting details, transitions, and concluding statements. Students practice writing for different purposes—explanation, description, comparison, and opinion—while building vocabulary, grammar accuracy, and organizational skills. This course prepares learners for success in Reading 15, English Language Arts, and Social Studies 10-2 by strengthening core academic writing foundations.

**Prerequisite: EAL LP 2-3**

### **Reading 15/25 (5 credits per course)**

Reading 15 is a foundational course for EAL learners, particularly students at LP1-LP3 who need structured support in building reading skills. The course develops essential strategies such as finding the main idea, identifying key details, making inferences, understanding vocabulary in context, and summarizing. Students read high-interest texts while strengthening comprehension, confidence, and academic language. This course provides the skills and background needed for success in higher-level English and Social Studies courses

**Prerequisite: EAL 1-3**

### **Science 15 (5 credits)**

Science 15 is a supportive introductory science course ideal for EAL learners at LP1-LP3 or for students who need time to build background knowledge before moving into Science 10. The course focuses on everyday science concepts—chemistry, biology, and environmental science—using hands-on activities, simple experiments, and accessible vocabulary. Students develop foundational skills in observation, data collection, lab safety, and scientific communication. Science 15 helps learners strengthen their confidence and language skills while preparing them for future science courses.

**Prerequisite: EAL LP 1-3**

### **ELA 10-2 Sheltered (5 credits)**

ELA 10-2 (Sheltered) is a full academic English course designed for EAL learners, especially those at LP3-LP4 who need additional support with vocabulary, reading comprehension, and writing skills. The course covers the same curriculum content as mainstream 10-2, but provides enhanced scaffolding, modeled examples, explicit vocabulary instruction, and structured reading and writing strategies. This supportive environment helps students build the language, confidence, and academic skills required for success in future ELA courses and across all subject areas.

**Prerequisite: EAL LP3**

### **Social Studies 10-2 Sheltered (5 credits)**

Social Studies 10-2 (Sheltered) is a full academic course designed for EAL learners, especially those at LP3-LP4 who need support with vocabulary, reading comprehension, and understanding complex concepts. The course teaches the same content as mainstream 10-2—globalization, identity, culture, economics, and citizenship—but with targeted scaffolding and step-by-step

language support. Students build strong academic reading, writing, and critical thinking skills while gaining the background knowledge needed for future Social Studies courses.

**Prerequisite: EAL LP3**

## Fine and Performing Arts Programs

Participation in the Fine and Performing Arts develops the interests and talents that help shape who we are as individuals. Participation in the Arts supports the development of employability skills such as creativity, improvisation, commitment, organization, and problem-solving. Join our Fine and Performing Arts community to create connections, enhance your self-expression, and become leaders in the development of our school culture.

### Leadership in the Arts

#### **Leadership in the Arts 35** (3 credits)

Leadership in the Arts is a self-directed course that takes place outside of the timetable. This is a required course for any student who wishes to earn the Fine and Performing Arts Certificate. Upon completion of this course, the student will have earned a minimum of 38 credits in this area and be eligible for provincial designation on their high school diploma. This course will help students balance their personal interests and abilities while looking at what it means to work as a professional artist by engaging in research, mentoring/job shadowing, and preparation for various post-secondary experiences and art activities beyond high school. This will include written and personal reflection, resume building, auditions, and/or gallery showings. Most of the course is spent on developing a portfolio of work in a chosen discipline demonstrating a personal, artistic style. Upon completion you will receive a Fine and Performing Arts Certificate. For more information, please see the Fine and Performing Arts Learning Leader.

Prerequisite: 35 credits in Fine and Performing Arts related courses by the end of grade 12.

### Visual Arts

#### **Art**

#### **Art 10** (5 credits)

This course introduces the visual arts at the high school level. No previous art courses are required for students to experience success. The art room is a positive and encouraging environment that allows all students to explore new skills and/or refine new techniques through a range of material exploration. In Art 10, students learn to take risks and try new ways of making art. Students will also learn fundamental rules of compositional design so they can turn their initial drawings and planning into finished works of art. There are opportunities to creatively express individuality through various methods of painting, drawing, and sculpture. The art room provides a safe and supportive environment where students learn how to discuss and analyze works of art. This practice allows students to extend their skills and knowledge through positive conversations and collaboration.

**Prerequisite: None**

**Estimated course fee: \$35**

### **Art 20 (5 credits)**

Visual Art 20/30 allows students to continue creative exploration through the development of new techniques and mediums. Students will be encouraged to explore and develop a better understanding of their personal interests in art making and style. They will continue to learn about drawing, painting, and mixed media to encourage experimentation and risk taking. The art room is a positive and supportive environment that encourages all students to effectively use their studio time to enjoy the processes of art making. Discussing and analyzing contemporary and historical artists is a fundamental aspect of this course that allows students to learn about the power of influence. Art-related careers and post-secondary options will also be explored as students learn about their opportunities in the Fine and Performing Arts industries.

**Prerequisite: Art 10**

**Estimates course fees: \$45**

### **Art 30 (5 credits)**

Visual Art 30 allows students to take ownership over their creative exploration through the development of new techniques and mediums. Students will be encouraged to explore and develop their personal interests in art making and style choices. They will continue to learn about drawing, painting, and mixed media to encourage experimentation and risk taking. The art room is a positive and supportive environment that encourages all students to effectively use their studio time to enjoy the processes of art making. Discussing and analyzing contemporary and historical artists is a fundamental aspect of this course that allows students to learn about the power of influence. Art-related careers and post-secondary options will also be explored as students learn about their opportunities in the Fine and Performing Arts industries.

**Prerequisite: Art 20**

**Estimated course fee: \$45**

## **Ceramics (Advanced Techniques)**

### **Ceramics (Advanced Techniques) 15 (5 credits)**

Ceramics (Advanced Techniques) 15 students will have the opportunity to express their ideas using clay as their medium. This course will help students learn the skills, knowledge, and patience needed to produce quality hand-made clay objects. This is a hands-on course for students who are self-motivated, focused, and have the enthusiasm and persistence needed to work with clay daily. We will learn new skills on the pottery wheel as well as a variety of hand-building techniques. Proper use of glazes and learning kiln stacking and firing are also essential elements of this course. The ceramics room is a supportive and collaborative environment where together we find success for every student's creative endeavors!

**Prerequisite: None**

**Estimated course fee: \$75**

### **Ceramics (Advanced Techniques) 25 (5 credits)**

Ceramics (Advanced Techniques) 25 allows students to continue to develop their technical skills in clay in a positive and engaging manner. Students will develop a better understanding of how the Elements and Principles of Art and Design can be used to enhance their personal style and self-expression. They will develop a richer understanding of glazing techniques and further their skills on the wheel. The ceramics room is a supportive and collaborative environment where together we find success for every student's creative endeavors!

**Prerequisite: Ceramics 15**

**Estimated course fee: \$75**

### **Ceramics (Advanced Techniques) 35 (5 credits)**

Ceramics (Advanced Techniques) 35 allows students to continue to develop their technical skills in clay in a positive and engaging manner that encourages an in-depth investigation of personal self-expression. Students will be guided through a series of projects that encourage independent planning and project management. Students become aware of how to safely run a ceramic practice in a professional manner. Through positive collaboration with peers, they develop an artistic community that brings forward innovative ideas and ways of thinking in art. The ceramics room is a supportive and collaborative environment where together we find success for every student's creative endeavors!

**Prerequisite: Ceramics 25**

**Estimated course fee: \$75**

## **Drawing**

### **Drawing 15 (5 credits)**

Drawing 15 will introduce students to artistic practice and investigation of drawing media, styles, and composition. Exploration of traditional and modern art concepts will enhance students' self-confidence in creative thinking, realism, and symbolic representation. Students will engage in new ways of drawing that will extend and push their personal style and use of various mediums. Experimentation and technique development are required for success in this course. This class fosters a safe, positive, collaborative, and supportive environment where students learn how to create, discuss, and analyze works of art.

**Prerequisite: None**

**Estimated course fee: \$45**

### **Drawing 25 (5 credits)**

Students will further their practice and investigation of various traditional and contemporary drawing methods, media, and surfaces. Students will create visual imagery through exploration and application of a variety of sources and methods. Students will develop an analytical and



reflective artistic working process. This process will extend and push students' personal style and use of various mediums. Experimentation and technique development are required for success in this course. This class is a collaborative and positive environment to create art.

**Prerequisite: Drawing 15 or Art 10**

**Estimated course fee: \$45**

### **Drawing 35 (5 credits)**

Students will develop a portfolio of work that reflects their personal style and showcases their artistic development. Students will manipulate traditional sources, art history, and cultural references to solve student and teacher generated challenges or objectives in their compositions. There will be an emphasis on observational drawing. Students will also explore non-traditional formats, media, and composition.

**Prerequisite: Drawing 25 or Art 20**

**Estimated course fee: \$45**

## **Painting**

### **Painting (Advanced Techniques) 15 (5 credits)**

Painting (Advanced Techniques) 15 introduces students to artistic practice and investigation of paint media. A primary focus on painting from observation will allow students to develop proper proportions as well as compositional techniques within images. Students will explore a broad range of artistic styles as they develop traditional and nontraditional brush techniques. Advanced Painting provides a safe and supportive environment where students learn to discuss and analyze works of art. This allows students to extend their skills and knowledge through positive conversations and collaboration.

**Prerequisite: None**

**Estimated course fee: \$75**

### **Painting (Advanced Techniques) 25 (5 credits)**

In Painting 25, students will investigate complex color relationships, examine how subject and content can communicate meaning in painting, and extend their knowledge of painting through the experimentation of various brush techniques and materials combinations. Advanced Painting provides a safe and supportive environment where students learn how to discuss and analyze works of art. This allows students to extend their skills and knowledge through positive conversations and collaboration.

**Prerequisite: Painting 15 or Art 10**

**Estimated course fee: \$75**

### **Painting (Advanced Techniques) 35 (5 credits)**

In Painting 35, students will bring forward and investigate personal content and messaging in

their images. They will narrow in on their choice of personal style and brush technique while exploring artworks of influence. Through conversations and collaboration, they will create a positive studio environment where they will learn and work with others. Formal critiques, written reflections and informal group discussions will help students integrate the vocabulary analyzing and interpreting the painting process as a form of communication. This practice allows students to extend their skills and knowledge through positive conversations and collaboration.

**Prerequisite: Painting 25 or Art 20**

**Estimated course fee: \$75**

## **Performing Arts/Technical Theatre**

### **Dance**

#### **Dance 15 (5 credit courses)**

Senior High Dance seeks to develop personal and social growth through dance experiences, and an understanding of dance as an art and means of self-expression. Students will be provided with the opportunity to explore a variety of dance styles that may include jazz, hip hop, ballet, lyrical, tap, Bollywood, hoop, modern, and student created dances. Dance technique, creativity, choreography, performance, safety, anatomy, history, and dance awareness are integral components of the program. In addition, positive interaction skills such as cooperation, consideration for others, and self-discipline will be stressed. Students will be evaluated based on their competencies, choreography memorization, personal growth, and in-class and stage performances.

**Prerequisite: None**

**Estimate course fee: \$75**

#### **Dance 25 (5 credits)**

Dance 25 challenges students to improve the dance skills that were developed in Dance 15. As students grow as dancers, they will also have an opportunity to develop leadership skills by creating dance warm-ups, and exercises. Collaboration and contribution to class choreography will also be explored.

**Prerequisite: Dance 15**

**Estimated course fee: \$75**

#### **Dance 35 (5 credits)**

Dance 35 sequentially develops dance technique and skills learned in Dance 25. Emphasis is placed on developing leadership skills and creating choreography. Students will also have the opportunity to teach and perform that choreography with other students.

**Prerequisite: Dance 25**

**Estimated course fee: \$75**

## Drama

### Advanced Acting 15/25/35 (5 credits for each level)

This course provides students with the opportunity to be in a part of the production of a play, from the rehearsal process to the theatre performance. Students will learn to develop acting, vocal, movement, and characterization skills. Being part of the production involves commitment, teamwork, collaboration, and leadership. This course is offered outside of the timetable. Please listen for audition announcements and/or contact the school for more information.

**Prerequisite:** Successful audition for the roles available in the play being produced.

**Estimated course fee: TBD- depending on the current production**

### Drama 10 (5 Credits)

Drama 10 is an introductory, 5-credit course that develops fundamental performance and theatre skills through active, hands-on participation. No prior experience is necessary to be in the class. It is designed to build self-confidence, communication and collaboration skills, as well as an appreciation for the theatre arts, in a supportive and positive environment. The curriculum focuses on orientation, movement, speech, improvisation, scene work, theatre history, and technical theatre. Students will also have the opportunity to perform in professional theatre spaces, attend live theatrical performances and work with industry professionals in the course.

**Prerequisite:** None

**Estimated course fee: \$30**

### Drama 20 (5 credits)

Drama 20 has been designed to give students a chance to continue to grow and develop through positive artistic experiences. The course builds upon the skills and experiences of Drama 10, while at the same time focusing on orientation, children's theatre, acting from a script, playwriting, improvisation, theatre history and technical theatre. Students will focus on their leadership, creativity, and communication skills in the course while collaborating with their peers. Students will also have the opportunity to attend live theatrical performances and work with industry professionals in the course.

**Prerequisite:** Drama 10

**Estimated course fee: \$30**

### Drama 30 (5 credits)

Drama 30 is an opportunity for creativity and self-discovery. In this course, students will utilize all the skills that have been developed in Drama 10 and 20 to create meaningful performances. Emphasis will be placed on directing, acting, improvisation, theatre studies, technical theatre, and design. At the end of the semester, students will have the chance to showcase their one-act directing projects in a public performance. Students will also have the opportunity to attend live

theatrical performances and work with industry professionals in the course.

**Prerequisite: Drama 20**

**Estimated course fee: \$30**

### **Technical Theatre 15 (5 credits)**

Technical Theatre is a hands-on learning environment that deals with all of the nonacting components of theatre. Students with a genuine interest in lighting, sound, costumes, make-up, management, props, set design and construction will love this course. Students will provide technical support for Drama Mainstage Productions, Remembrance Day Services, Dance Shows, Concerts, and Assemblies. There is a volunteer, outside of the timetable component to the course, for students working on productions. Students will also have the opportunity to work in professional theatre spaces and attend live theatrical performances.

**Prerequisite: None**

**Estimated course fee: \$30**

### **Technical Theatre 25 (5 credits)**

Technical Theatre is a hands-on learning environment that deals with all of the nonacting components of theatre. Students with a genuine interest in lighting, sound, costumes, make-up, management, props, set design and construction will love this course. Students will provide technical support for Drama Mainstage Productions, Remembrance Day Services, Dance Shows, Concerts, and Assemblies. There is a volunteer, outside of the timetable component to the course, for students working on productions. Students will also have the opportunity to work in professional theatre spaces and attend live theatrical performances.

**Prerequisite: Technical Theatre 15**

**Estimated course fee: \$30**

### **Technical Theatre 35 (5 credits)**

Technical Theatre is a hands-on learning environment that deals with all of the nonacting components of theatre. Technical Theatre 35 builds on the skills learned in Technical Theatre 25 and will focus on expanding students understanding in lighting, sound, costumes, make-up, management, props, set design and construction with a focus on mentorship. Students will provide technical support for Drama Mainstage Productions, Remembrance Day Services, Dance Shows, Concerts, and Assemblies. There is a volunteer, outside of the timetable component to the course, for students working on productions. Students will also have the opportunity to work in professional theatre spaces and attend live theatrical performances.

**Prerequisite: Technical Theatre 25**

**Estimated course fee: \$30**

## **Music**

Music students at JCS are offered numerous performances and travel opportunities throughout

the year in our Choral and Instrumental Music programs. Active participation and commitment are a fundamental part of success for all music courses. Performance based music courses are full-year programs and students of all abilities and experiences are welcome. For more information about the music courses at JCS, please contact Ms. Wood ([hcwood@cbe.ab.ca](mailto:hcwood@cbe.ab.ca)) for Choral Music, or Ms. Scott ([viscott@cbe.ab.ca](mailto:viscott@cbe.ab.ca)) for Instrumental Music.

## Instrumental Music

### **Band 15/25/35 (5 credits per course)**

Band is a full-year 5-credit course that occurs outside of the regular timetable during J-Block before school (7:45-8:55am, two days per week). Band 15/25/35 provides students with an opportunity to perform in large instrumental ensembles and work to master a vast variety of concert band music with peers. At JCS, we offer a grade 10 Concert Band (Band 15) and a Grade 11/12 Concert Band (Band 25/35). Typically, students travel to band camp, perform at school events, host concerts, participate in festival performances, work with clinicians and guest conductors, and perform many concerts throughout the school year. Students registered in Band 15/25/35 will be enrolled in their corresponding Instrumental Music 10/20/30 co-requisite course.

**Prerequisite Band 15: Grade 9 Band, or teacher approval**

**Co-requisite Band 15: Instrumental Music 10**

**Prerequisite Band 25: Band 15**

**Co-requisite Band 25: Instrumental Music 20**

**Prerequisite Band 35: Band 25**

**Co-requisite Band 35: Instrumental Music 30**

**Estimated course fee: Music course \$225 maximum; Instrument rental \$100. Students enrolled in both Band 15/25/35 and Concert Choir 15/25/35 will only be charged once.**

### **Instrumental Music 10 (5 credits)**

Instrumental Music 10 is a full-year 5-credit course. This course offers students the opportunity to continue their musical learning from Junior High and supplements learning in the co-requisite Band 15 course. This will include the development of musicality, ensemble playing, tone, range, technique, and instrumental flexibility that allows students to perform challenging repertoire. Students engage in learning about music theory, history, and music in our world. Students enrolled in Instrumental Music 10 also have the opportunity to work in small student-led ensembles throughout the year. Music performed will be selected from a variety of periods and styles and tailored to student needs and interests. Music students at JCS are offered numerous performance and travel opportunities throughout the year. Course may be paired with Choral 10 or a core for a full year program.

**Prerequisite: Grade 9 Band or teacher approval**

**Co-requisite: Band 15**

**Estimated course fee: \$90**

### **Instrumental Music 20 (5 credits)**

Instrumental Music 20 is a full-year 5-credit course. This course offers students the opportunity to continue their musical learning completed from Instrumental Music 10 and supplements learning in the co-requisite Band 25 course. Students enrolled in Instrumental Music 20 will broaden their knowledge of musicality, ensemble playing, range, technique, tone production, and instrumental flexibility through a variety of performance opportunities including chamber ensembles and large ensemble work. Students engage in learning about music theory, history, and music in our world. Students embrace leadership roles within the music program and are offered a variety of performance and travel opportunities throughout the year. Music performed will be selected from a variety of periods and styles and tailored to student needs and interests. Course may be paired with Choral 20 or a spare for a full year program.

**Prerequisite:** Instrumental Music 10 and Band 15

**Corequisite:** Band 25

**Estimated course fee: \$90**

### **Instrumental Music 30 (5 credits)**

Instrumental Music 30 is a full-year 5-credit course. This course offers students the opportunity to continue their musical learning from Instrumental Music 20 and supplements the learning in the co-requisite Band 35 course. Students enrolled in Instrumental Music 30 will broaden their knowledge of musicality, ensemble playing, range, technique tone production, and instrumental flexibility through a variety of performance opportunities including chamber ensembles and large ensemble work. Student work will build on the skills developed in Instrumental Music 10 and Instrumental Music 20 to help musicians develop their skills to use music beyond high school. Students engage in learning about music theory, history, and music in our world. Instrumental Music 30 students are leaders in our music program and will be involved in building community within our bands and organizing team-building events. Music students at JCS are offered a variety of performance and travel opportunities throughout the year. Music performed will be selected from a variety of periods and styles and tailored to student needs and interest. Course may be paired with Choral 30 or a spare for a full year program.

**Prerequisite:** Instrumental Music 20 and Band 25

**Co-requisite:** Band 35

**Estimated course fee: \$90**

### **Instrumental Jazz 15/25/35 (5 credits per course)**

Instrumental Jazz 15/25/35 are full-year 5-credit courses that occur outside of the timetable during J-Block (3:30-5:00 pm, two days per week). Instrumental Jazz offers students the opportunity to broaden their performance skills through the jazz genre. Students enrolled in Instrumental Music 10/20/30 will have the opportunity to audition for placement in one of JCS's Jazz Bands. Student placement in the Jazz I or Jazz II ensemble will be based on a placement audition and teacher conversations in September. Being part of a Jazz Ensemble is a great way to broaden your musical understanding and experience performing in a smaller ensemble and different styles. All JCS performing ensembles have numerous performance and travel opportunities throughout the year.

**Prerequisite Instrumental Jazz 15: None**

**Corequisite Instrumental Jazz 15: Band 15 and Instrumental Music 10**

**Prerequisite Instrumental Jazz 25: Instrumental Jazz 15**

**Co-requisite Instrumental Jazz 25: Band 25 and Instrumental Music 20**

**Prerequisite Instrumental Jazz 35: Instrumental Jazz 25**

**Co-requisite Instrumental Jazz 35: Band 35 and Instrumental Music 30**

**Estimated course fees: \$90 per course**

## **Choral Music**

### **Concert Choir 15/25/35 (5 credits for each course)**

Concert Choir is open to all JCS students and focusses on the development of ensemble skills and music literacy as members of a large vocal ensemble (50+ students). No prior experience is required. The Concert Choir is the largest performing group in the vocal program and performs a wide variety of repertoire from all historical periods. We typically have a fall choir camp and perform in a variety of concerts and festivals throughout the year. Concert choir is our main touring ensemble for our spring music tour. Students registered in Choir 15/25/35 may be enrolled in their corresponding Choral 10/20/30 co-requisite course. This class will take place outside the timetable, twice a week from 7:30 am to 8:50 am.

**Prerequisite Choir 15: None**

**Corequisite Choir 15: Choral 10**

**Prerequisite Choir 25: Choir 15**

**Corequisite Choir 25: Choral 20**

**Prerequisite Choir 35: Choir 25**

**Corequisite Choir 35: Choral 30**

**Estimated course fee: \$240 maximum. Students enrolled in both Band 15/25/35 and Concert Choir 15/25/35 will only be charged once**

### **Choral 10 (5 credits)**

In this full-year course students will engage in large and small ensemble singing with solo opportunities also available in a supportive class setting. Choral 10 extends their learning from the co-requisite Concert Choir 15. Students will work on developing their voices, understanding music, and experiencing music from Musical Theatre, Pop, and Choral Music genres. No prior singing experience is necessary. Students will participate in performances throughout the year.

**Prerequisite: None**

**Corequisite: Choir 15**

**Estimated course fee: \$90**

### **Choral 20 (5 credits)**



In this full-year advanced course, students delve more comprehensively into performance and leadership skills, as well as vocal technique, music appreciation, and music literacy including music theory, history, ear training, and notation, as well as developing more confidence in music making in a supportive class setting. Choral 20 further extends their learning from Choral 10 (pre-requisite) and the Concert Choir co-requisite. Students will be involved in concerts and other performances throughout the year.

**Requisite: Choral 10**

**Corequisite: Choir 15**

**Estimated course fee: \$90**

### **Choral 30 (5 credits)**

In this full-year advanced course, students delve more comprehensively into performance and leadership skills, as well as vocal technique, music appreciation, and music literacy including music theory, history, ear training, and notation, choral conducting basics, as well as developing more confidence in music making in a supportive class setting. Choral 30 further extends their learning from Choral 20 (pre-requisite) and the Concert Choir co-requisite. Students will be involved in concerts and other performances throughout the year. Choral 30 is accepted as a course for entrance requirements at most post-secondary institutions.

**Requisite: Choral 20**

**Corequisite: Choir 35**

**Estimated course fee: \$90**

### **Vocal Jazz 15/25/35 (5 credits for each course)**

Vocal Jazz 15, 25, 35 is a 5-credit course that occurs outside of the regular timetable (after school twice per week) and does not affect course choices within the regular timetable. Auditions for Vocal Jazz ensembles typically take place in May/June of the previous school year, by appointment, and in early September. JCS is pleased to offer two vocal jazz ensemble classes. These full-year advanced auditioned courses are open to grade 10, 11 and 12 students who also sing in Concert Choir 15/25/35. First opportunities for involvement in Vocal Jazz will be given to students also enrolled in Choral 10/20/30.

Vocal Jazz is a small ensemble course and is designed to challenge and broaden students' understanding of repertoire, history, and techniques involved in the performance of contemporary styles and techniques related to and including vocal jazz, a cappella, pop, jazz ensemble forms, improvisation, and microphone technique. The smaller ensemble size requires excellent student commitment. Students in vocal jazz may perform in a variety of concerts and festivals both locally and outside of Calgary.

**Requisite Vocal Jazz 15: Audition**

**Corequisite Vocal Jazz 15: Choir 15**

**Requisite Vocal Jazz 25: Vocal Jazz 15**

**Corequisite Vocal Jazz 25: Choir 25**

Requisite Vocal Jazz 35: Vocal Jazz 25  
Corequisite Vocal Jazz 35: Choir 35

Estimated course fee: \$90

## Second Languages

### French

#### French 10 (5 credits)

French 10 focuses on building your foundation. French 10 is the exciting first step in the French Language and Culture 3-Year Program. You will begin developing essential communication skills while gaining confidence in listening, speaking, reading, and writing. Through engaging topics such as family, school, and hobbies, you will also discover the richness of Francophone cultures in Canada and around the world. By the end of French 10, you will be able to: Understand and use common words and expressions in familiar situations; Ask and answer simple questions about yourself and your interests; Read short texts and identify key ideas; Write basic sentences and short paragraphs with clarity; Gain insight into Francophone cultures by exploring their diverse customs and traditions.

Prerequisite: None

#### French 20 (5 credits)

French 20 focuses on deepening your understanding. French 20 builds on the foundation of French 10 and helps you grow into a confident communicator. You will expand your vocabulary, refine your sentence structures, and share ideas with clarity and depth. Through authentic resources such as songs, videos, and articles, you will strengthen your language skills while deepening your understanding of Francophone traditions and perspectives. By the end of French 20, you will be able to: Communicate in familiar and new situations; Use a wide range of vocabulary and sentence patterns; Understand the main ideas in short authentic texts and media; Write paragraphs that share your ideas in a clear and engaging way; Explore traditions and current events in Francophone communities.

Prerequisite: French 10 or Grade 9 French with teacher recommendation.

#### French 30 (5 credits)

French 30 focuses on deepening your French knowledge. French 30 offers opportunities to build on your language skills and apply them in meaningful contexts. You will participate in discussions, write pieces that explore a variety of topics, and work with authentic resources such as stories and media to enrich your learning experience. This course invites you to use French in authentic contexts and discover the richness of Francophone cultures around the globe. By the end of French 30, you will be able to: Speak and write in a variety of contexts; Understand and interpret authentic texts and media; Express opinions and ideas in conversations and writing; Create well-structured writing that effectively shares your ideas; Explore and celebrate the richness and diversity of Francophone cultures around the world.

**Prerequisite: French 20 or equivalent with recommendation.**

## Spanish

### Spanish 10 (5 credits)

Spanish 10 is a course for beginners who are ready to start learning Spanish. You will begin developing essential communication skills while gaining confidence in listening, speaking, reading, and writing. Course topics including family, school and hobbies are taught through interactive activities, games and songs. In addition to a focus on language, students will learn about a variety of Spanish speaking countries and cultural components. No previous Spanish is required.

**Prerequisite: None**

### Spanish 20 (5 Credits)

Spanish 20 continues to build on the foundations of Spanish 10. You will work on communicating more confidently and expanding your vocabulary. Topics include daily routines, foods and restaurants, shopping and fashion, sports, vacation and travel. In addition to a focus on language, you will continue to learn about a variety of Spanish speaking countries and cultural components. You must have Spanish 10 as a prerequisite or have the equivalent experience in the Spanish language.

**Prerequisite: Spanish 10 or equivalent with teacher recommendation**

### Spanish 30 (5 credits)

Spanish 30 continues to build on and refine language skills introduced in Spanish 20. Topics of study include but are not limited to arts and entertainment, music, childhood activities, literature, technology, the world of work and the environment. You will participate in discussions and work with authentic resources, such as stories and media to enrich your learning. In addition to a focus on language skills, students will continue to learn about Spanish speaking countries and cultural components. Students must have Spanish 20 as a prerequisite for this course or have had equivalent experience in the Spanish language. Please discuss placement with the Spanish teacher.

**Prerequisite: Spanish 20 or equivalent with teacher recommendation**

## Wellness

### Physics Education

#### Physical Education 20 (5 credits)

This intermediate course focuses on active living through experiences in a wide variety of lifestyle sports and activities. Activities may include: golf, tennis, bowling, wall climbing, curling, racquetball, squash, and billiards. Students are expected to build on skills, knowledge, and attitudes gained in PE 10 and should be prepared to be active every day. Much of the course is off-site so students must take on the responsibility of representing our school in the community. There is no set course fee, as availability of activities will determine course cost. **Students who are interested in participating in PE 20, but in a girl's only class, please request the Physical Education 20 (cohort a).**

**Prerequisite: Physical Education 10**

**Estimated course fee: Determined by activities chosen**

#### Physical Education 30 (5 credits)

This senior course builds on the knowledge and experience gained in PE 20. Students will be challenged to perform at higher individual levels in on and off campus activities. All the lifestyle sports and activities offered in PE 20 will also be offered in PE 30. Students will be expected to show stronger leadership skills; peer teaching and self-evaluation are important aspects of this program. Much of the course is off-site, so students must take on the responsibility of representing our school in the community. There is no set course fee for this course, as availability of activities will determine course cost. **Students who are interested in participating in PE 30, but in a girl's only class, please request the Physical Education 30 (cohort a). Should**

**Prerequisite: Physical Education 20**

**Estimated course fee: Determined by activities chosen**

### Sports Performance

#### Sports Performance 10 (5- one credit courses)

With the increasing demand on athletes today, this course will focus on the development of an individual's fitness as it relates to improving performance in sport. Topics of study include aerobic training, strength training, flexibility training, agility training, power training, speed training, nutrition, hydration, and goal setting.

**Prerequisite: None**

**Estimated course fee: \$100**

### **Sports Performance 20 (5- one credit courses)**

This class is a continuation of Sports Performance 10 and involves a more in-depth look at techniques in the fitness center. It will also look at training in the areas of speed, agility, program design, sport psychology, and nutrition. After the course, students should be more confident and well-rounded in their knowledge of physical performance

**Prerequisite: Sports Performance 10**

**Estimated course fee: \$100**

### **Sports Performance 30 (5- one credit courses)**

Students in this course will have the opportunity to investigate, develop, and implement a fitness program specifically for their high-level sport. Students should be athletes at a competitive level. Strength, speed, agility, power, flexibility, endurance, and core stability will all be implemented.

**Prerequisite: Sports Performance 20**

**Estimated course fee: \$100**

### **Sports Performance Elite Pathways 10/20/30 (5- one credit courses per level)**

The purpose of this course is to provide opportunities for students who are also involved in elite athletics to take part in a more targeted program. The Sports Performance Pathway course will provide some credit for the hours students are already putting into their sport(s) while providing them with a variety of opportunities to learn and grow as student athletes. Guest speakers/instructors will present in the areas of nutrition, yoga, Olympic Lifting and Sports Psychology. NOTE: This class will take place outside of the timetable twice per week from 7:30am to 8:30am

**Prerequisite Sports Performance Elite Pathways 10: None**

**Prerequisite Sports Performance Elite Pathways 20: Sports Performance Elite Pathways 20**

**Prerequisite Sports Performance Elite Pathways 30: Sports Performance Elite Pathways 30**

**Estimated course fee: \$140**

## **Yoga**

### **Yoga 15/25/35 (5- one credit course per level)**

This course is about overall personal health and fitness. It will introduce students to the basic postures, breathing techniques, and relaxation methods of Yoga using a Vinyasa flow style. This unique program is designed as a fusion of fitness and yoga which will allow students to experience the benefits of fitness and yoga. This includes an increase in strength, flexibility, balance, stress relief, mind focus, and concentration. Students will participate in Yoga practice each day as well

as learn and apply relaxation techniques to relieve stress and restore the body. Students must provide their own yoga mat.

**Prerequisite Yoga 15: None**

**Prerequisite Yoga 25: Yoga 15**

**Prerequisite Yoga 35: Yoga 25**

**Estimated course fee: \$75**

## Work Experience, RAP, Green Certificate, Unique Opportunities and Off Campus Education

### **Work Experience 15/25/35 (up to 30 credits)**

Work Experience allows students to gain practical knowledge, enhance their skills, confirm career decisions, and form attitudes that will assist them in their transitions from school to the workplace. Students in grades 10, 11, and 12 can enroll. The prerequisite course HCS 3000 (Workplace Safety Systems) must be completed before any off-campus work experience credits can be awarded. Existing part-time jobs may be eligible as a Work Experience placement. For more information, please contact JCS's Off Campus Education Coordinator.

**Prerequisite- HCS 3000**

### **Registered Apprenticeship Program (up to 40 credits)**

The Registered Apprenticeship Program (RAP) is an excellent opportunity for students who know they want to enter a trade to "earn while you learn". This program usually begins during the summer after grade 10. The student selects a trade and is placed into a 125-hour Work Experience placement (5 credits) which serves as a probationary period. Successful students may then be indentured and can earn up to 40 Registered Apprenticeship credits towards their graduation requirements. The student's timetable is adjusted to accommodate the RAP program. By graduation, it is expected that students may have the completed hours needed for the first year of an apprenticeship and be ready to apply for the training weeks at a post-secondary institution. For more information, please contact JCS's Off Campus Education Coordinator.

**Prerequisite- HCS 3000**

### **Green Certificate Program (up to 16 credits)**

The Green Certificate Program is an apprenticeship-style training program serving the agricultural industry. There are four areas of specialization:

- Cow-calf, feedlot, sheep, swine, dairy

- Field crop, irrigated crops
- Beekeeping
- Equine

For more information on the program please contact JCS's Off Campus Education Coordinator.

**Prerequisite: AGR 3000**

### **Unique Opportunities and Off-Campus Education**

The CBE partners with post-secondary institutions, businesses, and organizations to offer a wide range of off-campus courses and work experience opportunities for students. Students interested in Dual Credit, Exploratory, and Off-Campus Programs should speak with JCS's Off-Campus Education Coordinator. More information can also be found on the CBE website.