# Table of Contents

Core Course Pathways ............................................................... 3  
  English .................................................................................. 3  
  Math ....................................................................................... 4  
  Social Studies ....................................................................... 5  
  Science .................................................................................. 6  
  English Language Learning (ELL) ......................................... 7  

Complementary Courses .......................................................... 8  
  Second Languages ................................................................. 10  
    French .................................................................................. 10  

Fine Arts Programs ................................................................. 11  
  Art (Visual) ........................................................................... 11  
  Dance .................................................................................... 12  
  Music .................................................................................... 13  
  Choral Music ........................................................................ 14  
  Technical Theatre / Performing Arts .................................... 14  
  Theatre .................................................................................. 15  

Work Experience and RAP ....................................................... 15  

Career and Technology Studies (CTS) ............................... 16  
  Business Administration, Finance and Information Technology (BIT) .............. 17  
  Health, Recreation & Human Services (HRH) ................................................. 17  
  Media, Design & Communication Arts (MDC) .................................................. 23  
  Natural Resources (NAT) ............................................................................. 25  
  Trades, Manufacturing & Transportation (TMT) ................................................. 26  
  Advanced Placement (AP) & Dual-Credit Courses ........................................ 29  
    Recommended Sequence for AP / Dual-Credit Courses ................................. 29
Core Course Pathways

English

FLHS English Pathway

ELA 10-1
AP Stream

Grade 10
English
Language Arts
10-1/10-2

ELA 20-1
AP Stream

Teacher Recommendation

ELA 20-1

Teacher Recommendation

ELA 20-2

Teacher Recommendation

ELA 20-4

Teacher Recommendation

ELA 30-1/35 AP

Teacher Recommendation

ELA 30-1

Teacher Recommendation

ELA 30-2

Teacher Recommendation

ELA 30-4
FLHS Math Pathway

Math 10-C AP Stream

Math 20-1 AP Stream

Math 20-1

Math 30-1 AP
Math 31 AP
Math 35 AP

Math 30-1
Math 31

Math 20-2

Math 30-2

Math 20-3

Math 30-3

Grade 10 Math 10-C / 10-3

Math 10-4 K & E

Math 20-4 K & E
FLHS Social Pathway

Social Studies 10 AP Stream

Social 20-1 and 35 AP (Up to 14 credits-Year long)

Social 20-1

Social 30-1

Social 20-2

Social 30-1

Social 20-4 K&E

Teacher Recommendation

Teacher Recommendation

Teacher Recommendation
FLHS Science Pathway

Grade 10 Science 10/14

Science 10 AP Stream

Teacher Recommendation

Science 10-4 K & E

Chemistry 20

Biology 20

Physics 20

Science 20

Bio 20 AP and/or Chem 20 AP Stream (taken in second semester of Gr. 10 and/or in Gr. 11)

Science 24

Teacher Recommendation

Science 20 - 4 K & E

Chemistry 30

Biology 30

Physics 30

Science 30

Bio 30/35 AP and/or Chem 30/35 AP (yearlong courses offered alternating years)
### FLHS ELL PROGRAM PATHWAYS

<table>
<thead>
<tr>
<th>English</th>
<th>Lead Beginner</th>
<th>Levels 1 &amp; 2 Beginner &amp; High Beginner</th>
<th>Level 3 Intermediate</th>
<th>Level 4 High Intermediate</th>
<th>Level 5 Advanced</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ENGLISH</strong></td>
<td>LANG 2: NON-FICTION</td>
<td>LANG 2B: FICTION</td>
<td>EXPOSITORY ENG 15</td>
<td>EXPOSITORY ENG 25</td>
<td>EAS (ENGLISH FOR ACADEMIC SUCCESS)</td>
</tr>
<tr>
<td>LITERACY &amp; ENGLISH ACADEMIC DEVELOPMENT (LEAD)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>ENG 20-1, 30-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>LANG 4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>ELL ENG 10-2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>ENG 20-2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>30-2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>ENG 10-4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>20-4, 30-4</td>
</tr>
<tr>
<td><strong>SOCIAL</strong></td>
<td>CANADIAN STUDIES 15</td>
<td>CANADIAN STUDIES 15</td>
<td>CANADIAN STUDIES 25</td>
<td>CANADIAN STUDIES 15</td>
<td>CANADIAN STUDIES 25</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>ELL SOCIAL 10-2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SOCIAL 30-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SOCIAL 30-2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SOCIAL 10-4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SOCIAL 20-2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SOCIAL 20-4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SOCIAL 30-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SOCIAL 30-2</td>
</tr>
<tr>
<td><strong>SCIENCE</strong></td>
<td>ELL SCIENCE 15</td>
<td>ELL SCIENCE 14</td>
<td>ELL SCIENCE 10</td>
<td>ELL SCIENCE 14</td>
<td>BIOLOGY 20, 30</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>CHEMISTRY 20, 30</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PHYSICS 20, 30</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SCIENCE 20, 30</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SCIENCE 10-4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SCIENCE 24</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SCIENCE 20-4</td>
</tr>
<tr>
<td><strong>MATH</strong></td>
<td>MATH 15</td>
<td>ELL MATH 10-3</td>
<td>ELL MATH 10C</td>
<td>ELL MATH 10C</td>
<td>MATH 20-1, 30-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>MATH 20-2, 30-2, MATH 30-3</td>
</tr>
<tr>
<td><strong>PHYSICAL EDUCATION</strong></td>
<td>PE 10</td>
<td>PE 10</td>
<td>PE 20</td>
<td>PE 30</td>
<td></td>
</tr>
<tr>
<td><strong>CAREER &amp; LIFE MANAGEMENT</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>ELL CALM 20</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>CALM 20</td>
</tr>
<tr>
<td><strong>COMPLEMENTARY PROGRAM</strong></td>
<td>LEAD COMPUTERS/COMMUNICATIONS</td>
<td>LEAD DRAMA</td>
<td>ELL DRAMA 10</td>
<td>ELL BUILDING CONSTRUCTION</td>
<td>COMPLETE OPTION PROGRAM</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>ELL LEADERSHIP FASHION</td>
</tr>
</tbody>
</table>
Complementary Courses

All Complementary Courses at FLHS will be offered based on student interest, enrolment and school resources.

Creative Writing 15 (1545) • 25 (2545) • 35 (3545)  5 credits each

Through participating in the actual publication process, students will use relevant technologies to create their own texts and follow those texts through the editing, publishing and marketing processes. In liaising with professional writing organizations, submitting to established publications and creating their own publication, students comprehend and manage the processes and conventions of publishing and marketing creative writing. Because the general outcomes of the course span grades ten through twelve, Creative Writing and Publishing can be offered as a blended course when enrolment is insufficient to offer separate classes at each grade level. Within the specific outcomes, there is an increasing sophistication in the understanding of concepts and application of strategies and skills.

Prerequisites: None for Creative Writing 15; CW 15 required for CW 25; CW 25 required for CW 35

Design, Engineering & Innovation 10 (1418)  5 credits

Design, Engineering & Innovation 10 focuses on developing foundational mindsets and skills needed to increase their creative capacity for idea generation, design, and project prototyping. These skills are critical for the next generation of engineers, designers and inventors. Student will engage in various design and engineering challenges, intended to develop divergent thinking and creative problem solving. Students will also learn 3D design software, basic electronic design and production, microcontroller programming, and laser cutting. Students who learn to combine high level thinking with cutting edge tools and technology will shape the future of our world. This course is offered at the Jack James Campus.

Prerequisite: None

Design, Engineering & Innovation 20/30 (2418/3418)  5 credits each

Design, Engineering & Innovation 20/30 will continue to expand student capacity for more complex design, innovation and invention. Students will continue to develop higher level technical skills in all areas with the goal of applying those skills to design, engineer and prototype more complex projects. Project possibilities continue to expand and students will be challenged and supported to develop projects that may shape future innovations for our society. This course is great for students who love invention and innovation, like to work and think with their hands on physical projects, and those wanting practical experience in the fields of design, engineering and innovation through invention. This course is offered at the Jack James Campus.

Prerequisite: Design and Engineering & Innovation 10

Film Studies 15 (1550)  5 credits

In Film Studies 15, you will view and respond to a variety of films with the aim to increase your knowledge and awareness of film, with a focus on film history, genre, and social implication. Film Studies 15 is comprised of five units meant to provide a comprehensive overview of the study of film as a whole. The units we will examine are: visual literacy, storytelling, genres, acting, and remakes.

Prerequisites: None

Film Studies 25 (2550)  5 credits

In Film Studies 25, you will explore film from an artistic as well as a technological perspective. This course is designed to provide you with the ability to appreciate film at an intermediate level and to foster critical understanding.

Prerequisites: Film Studies 15
Film Studies 35 (3550) 5 credits
This course is designed for students who have taken Film Studies 25. Film Studies 35 specifically focuses on ‘Auteurs’, directors who have strong signature styles in their approach to filmmaking. These styles may come out in visual composition, dialogue, themes, or narrative structure, and serve as unique ‘fingerprints’ that distinguish the work of a particular director from their peers. We will continue to work on being active viewers while viewing and responding to a variety of films with an aim to increase your knowledge and awareness of film.
Prerequisite: Film Studies 25

Psychology 30 (3170) 5 credits
Throughout Psychology 30, students explore views on abnormal behavior, examine different mental health disorders, and learn about research methodology in psychology. In addition to these core elements of the course, students also examine the roles and responsibilities of government and how to manage legal and ethical responsibilities when working in helping relationships.
Prerequisite: None

World Religion 30 (3161) 5 credits
The objectives of the courses in religious studies are to provide an opportunity to experience a number of cultural, historical and contemporary issues from a religious point of view, and through the study of religion as a separate discipline to “develop a philosophy based upon values conducive to ethical and moral behavior and reflected in an understanding of human worth. The content of the course may include: the meaning of religion, the development of religion, faith as the core element of religion, as well as the basic beliefs and practices of the major religions of the world.
Prerequisite: None

Yoga 15/25 (1449)
Yoga 15 & Yoga 25 will be offered as a combined class over one semester and students will receive a total of 6 credits.

Yoga 15 3 credits
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 of strength, flexibility, balance, stress relief, mind focus, and concentration. Students will participate in a challenging fitness workout and Yoga practice each day as well as learn and apply relaxation techniques in order to relieve stress and restore the body. Students must provide their own yoga mat.
Prerequisite: None

Yoga 25 3 credits
Students will deepen their study of yoga and be introduced to many different styles including; Partner Yoga, Yin Yoga, Restorative, Acro and Iyengar. They will build on the Yoga fundamentals by incorporating alignment, foundation and breath to their movement. Intermediate postures (including variations and modifications) will be introduced. The historical roots will be discussed and basic anatomy and how it applies to yoga will be practiced. Students will participate in a challenging fitness workout and Yoga practice each day as well as learn and apply relaxation techniques in order to relieve stress and restore the body. Students must provide their own yoga mat.
Prerequisite: Yoga 15
Yoga 35 (3449) 5 credits
Students will continue to advance their study and practice of Yoga through the refinement of the many postures previously learned. Advanced postures will be practiced. Yoga styles and anatomy will be further researched. Students will experiment with sequencing postures together and apply this to their personal practice. Students will participate in a challenging fitness workout and Yoga practice each day as well as learn and apply relaxation techniques in order to relieve stress and restore the body. Students must provide their own yoga mat.
Prerequisite: Yoga 25

Second Languages

Any student with prior French experience will need to meet with the Language teacher to get a recommendation for placement.

French 30 Challenge: Offered for students from French Immersion or Francophone backgrounds who speak fluent French. This is not a course, but a challenge exam designed to prove students can complete all outcomes from the French 30 curriculum; this includes reading, writing, speaking, and listening. If students are successful they will earn 15 credits.

French

French 10-3Y (1093) 5 credits
This entry-level course provides a practical learning experience using a theme-based approach. Students do not need previous language experience.
Prerequisite: None

French 20-3Y (2093) 5 credits
Students who have successfully completed up to grade 9 French are recommended to register for the French 20 Level.
Prerequisite: French 10 or Grade 9 French

French 30-3Y (3093) 5 credits
Students who have successfully completed an immersion program are recommended to register for the French 30 Level or discuss a challenge with the teacher.
Prerequisite: French 20
Fine Arts Programs

Studying Fine Arts helps develop the interests and talents that shape who we are as individuals. In addition, participation in the arts can develop employability skills such as improvisation, commitment, organization and problem solving. Enhance your experience in high school by adding some Fine Arts courses and accessing our beautiful Fine Arts spaces.

Art (Visual)

Art 10 (1400) 5 credits
Art 10 students will develop techniques and concepts in both two-dimensional and three-dimensional areas. They will extend their knowledge with the elements and principles of design through visual problem solving. They will investigate the process of abstracting form from a source in order to create personal expression and images.

Prerequisite: None

Art 20 (2400) 5 credits
Art 20 students will continue to develop and refine techniques and explore a personal selection of expressions. They will use the vocabulary of art criticism to interpret and evaluate both their own work and the works of others. Students will recognize that while some sources of images are universal, the formation of an image is influenced by the artist’s choice of medium, historical setting, and the culture.

Prerequisite: Art 10

Art 30 (3400) 5 credits
Art 30 students will develop a personal style through their own experiences and investigations as a source of image making. They will analyze the factors that generate a work of art or artistic movement and they will question sources of images that are relevant or significant to them in contemporary culture. Students should be highly motivated and self-disciplined. They will create a portfolio including individual and group projects. This portfolio can be used for entrance to post-secondary institutions.

Prerequisite: Art 20

Ceramics 15 (1401) • 25 (2401) • 35 (3401) 5 credits
The aim of the Ceramics course is intended to provide students with opportunities to develop knowledge, skills and abilities in the expression of thoughts, ideas and feeling through ceramics/clay. This course provides students with opportunities to develop an awareness and appreciation of the art of ceramics. Students will use a variety of techniques to resolve design challenges in 2-dimensional and 3-dimensional sculptures. Students will learn the operation maintenance of a ceramics studio. In this course students will learn to manipulate clay in a variety of ways including hand building and wheel throwing.

Prerequisites: None for 15; Ceramics 15 required for 25; Ceramics 25 required for 35
Dance

Dance 15 (1413) 5 credits
No dance experience is required for Dance 15 - beginners are welcome! The dance program is designed to provide students with an opportunity to discover various forms of dance and to develop an appreciation for dance as an ongoing life experience.

Prerequisite: None

Dance 25 (2413) 5 credits
Since dance is developmental, all areas of study will be included in each grade; however, the level of knowledge, skill, and attitude expected are greater in each area for each consecutive year.

Prerequisite: Dance 15

Dance 35 (3413) 5 credits
Disciplines: Ballet; Contemporary Hip Hop; Modern Dance; Integrated Dance Perspectives; Creative Dance; Jazz Dance; Performance; Ethno-cultural Dance; Anatomy; Safety; Choreography; Dance History

Prerequisite: Dance 25

Ballet 15 (1412) 5 credits

Prerequisite: Will be offered by special consideration only. Please contact the teacher to schedule an audition.

Ballet 25 (2412) 5 credits
In this course students learn basic and intermediate ballet technique. Throughout the semester students will work on building a full length classical ballet. At the end of the semester the students perform their show for their family and friends.

Prerequisite: Ballet 15 or Dance 15

Ballet 35 (3412) 5 credits
In this course students learn more intermediate ballet techniques. Throughout the semester students will work on building a full length classical ballet. At the end of the semester the students perform their show for their family and friends.

Prerequisite: Ballet 25

Contemporary Dance 25 (2411) 5 credits
In this course students study contemporary and modern dance techniques through warm ups, center work, choreography, dance history, and floor work.

Prerequisite: Dance 15

Contemporary Dance 35 (3411) 5 credits
In this course students study contemporary and modern dance techniques through warm ups, center work, choreography, dance history, and floor work. 35 level students are expected to choreograph their own dance that will be performed in the semester or year-end recital.

Prerequisite: Contemporary Dance 25

Jazz Dance 25 • 35 5 credits each
This course is for students who are members of our school’s competitive dance team and is a full year, extra-curricular (after school) course. In order to be a member of the team students must be enrolled in or already have credits in Dance 15 and have been chosen through an audition process. The team competes in the following disciplines; Jazz, Contemporary and Hip Hop.

Prerequisites: Dance 15, plus chosen through audition process
**Music**

Students are required to either supply their own instrument or rent an instrument from the CBE. The students are required to purchase a concert uniform consisting of a pair of black pants, black shoes and a shirt that will be ordered by the music department. Students may be given the opportunity for optional travel at additional costs.

**Instrumental Music 10 (1423 & 1439) 10 credits**

This is the core course series for Instrumental Music. This class meets during the regular timetable. The curriculum covers:

- Technique – scales, intervals, range
- Musicaity – phrasing, articulation, dynamics, blend, balance, tempo
- Theory – understanding music throughout the ages
- Variety of Music – marches, overtures, suites, pop tunes, folk tunes
- Composition – theory, melody, harmony, arranging
- Team Skills – stage development, attendance, attitude, organization, assistance in assembling and disassembling band stages, assisting other band members with their music
- Sight Reading & Ear Training

**Prerequisite:** Successful completion of a Junior High Band Program. Students who do not meet this requirement may be considered if they possess equivalent experience.

**Co-requisite:** Band 15 (Concert Band)

**Instrumental Music 20 (2423 & 2439) 10 credits**

This course meets outside the regular timetable during J Block at the beginning of the school day. Concert Band is scheduled for Mondays and Fridays. This course provides the opportunity for a variety of performance experiences including tours, concerts, workshops, and competitions. Students will be expected to attend all scheduled rehearsals, performances and field trips. Additional performances may be added with advance notice and students will be expected to adjust their schedules.

**Prerequisite:** Completion of Instrumental Music 10

**Co-requisite:** Band 25 (Concert Band)

**Instrumental Music 30 (3423 & 3439) 10 credits**

There will be more in-depth study of instrumental music. See Instrumental Music 10 for more details. A reduced program course may be available for students with scheduling difficulties.

Students discovering a potential scheduling conflict registering for a full Band program, please see Mr. Lebo to arrange your schedule.

**Prerequisite:** Instrumental Music 20

**Co-requisite:** Band 35 (Concert Band)

**Jazz Band 15 (1431) 5 credits**

The Jazz Band meets outside the regular timetable during J Block at the beginning of the school day on Tuesdays and Thursdays. Jazz band instruments include saxophones, trombones, trumpets, electric and bass guitars, drums and piano. Students are required to attend all rehearsals and concerts. Music is developmental; therefore, all aspects of Jazz are covered in each course. The level of knowledge and skill is greater in each consecutive year. Students wishing to participate in Jazz Band must register after consultation with Mr. Lebo.

**Prerequisite:** Students must be currently enrolled in Instrumental Music 10/20 or 30

**Co-requisite:** Concert Band 15
Jazz Band 25 (2431)  5 credits
There will be more in-depth study of jazz music, including articulation, dynamics, blend, balance, rhythm, tempo, tone.
Prerequisite: Jazz 15

Jazz Band 35 (3431)  5 credits
There will be more in-depth study of jazz music, including creativity, chord changes, scales, licks, tone, rhythm, listening skills.
Prerequisite: Jazz 25

Choral Music

These courses are held during the timetable. The focus is on developing musicianship, vocal technique, music history/appreciation, ear training and composition. Opportunities to perform are also given.
Students discovering a potential scheduling conflict registering for a full Choral music program, please see Mr. Lebo to arrange your schedule.

Choral Music 10 (1422 & 1414)  10 credits
Because choral is developmental in nature the skills, concepts, assignments and activities within this area will progress through Choral Music 20 and 30.
Prerequisite: None; Co-requisite: Choir 15

Choral Music 20 (2422 & 2414)  10 credits
Students who enroll in Choral Music 20/25 without these prerequisites will only be admitted at the discretion of the instructor.
Prerequisite: Choral Music 10; Co-requisite: Choir 25

Choral Music 30 (3422 & 3414)  10 credits
Students who enroll in Choral Music 30/35 without these prerequisites will only be admitted at the discretion of the instructor.
Prerequisite: Choral Music 20; Co-requisite: Choir 35

Technical Theatre / Performing Arts

Technical Theatre occurs in a hands-on learning environment that deals with all of the non-acting components of theatre. Do you have a genuine interest in lighting, sound, costumes, make-up, management, props, set design and construction? Students will provide technical support for Remembrance Day Services, Dance Shows, Musical Theatre and Drama Main Stage Productions, as well as through other opportunities as they present themselves. Students who take this course need to be able to work with their hands and have a real desire to learn on the job. This course may be offered outside of the timetable and you will facilitate the running of various shows in and around the school.

Technical Theatre 15 / 25 / 35  5 credits at each level
This is a full year course offered outside of the regular timetable. This course provides an overview of design and operational aspects relating to technical theatre. Students specialize in different areas depending on their interests and the school’s needs. Students will work in two to three different areas for each level of the course. Technical Theatre students provide support to productions and events occurring in the theatre.
Prerequisite: Permission from the teacher
Theatre

Advanced Acting / Touring 5 credits
This is a full-year course offered outside the regular timetable. This course provides an opportunity for students to pursue more ambitious acting projects than those within the regular program. These students will be involved in a full-length scripted play.
Prerequisite: Chosen through the audition process.

Drama 10 (1410) 5 credits
Drama 10 provides an introduction to movement, voice, improvisation (planned and spontaneous), storytelling and characterization. Students will also learn about the basics of technical theatre and theatre history. The goals of the course are to increase self-confidence, to improve ability to work in a group effectively and to promote awareness of the student's creative abilities.
Prerequisite: None

Drama 20 (2410) 5 credits
Drama 20 units include play analysis, improvisation, technical theatre, theatre history, acting according to script, the monologue and collective creations. The goals are to build upon the skills learned in Drama 10 while maintaining a focus on working from text. The two major projects are a collective piece and a written review of a live theatrical performance.
Prerequisite: Drama 10

Drama 30 (3410) 5 credits
The emphasis in Drama 30 is on production. This unit includes directing, scene-work, technical theatre, theatre history and auditioning. The students produce their own one-act play, and perform a collective for the public. Students are expected to be able to work together with minimal direction from the teacher.
Prerequisite: Drama 20

Work Experience and RAP

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 world of work. Students in grade 10, 11 and 12 can enroll. The prerequisite course HCS 3000 (Workplace Safety Systems) must be completed before any off-campus education credits will be awarded. Existing part-time jobs may be eligible as a work experience placement provided the student can demonstrate new learning is occurring.
Prerequisite: HCS 3000

Registered Apprenticeship Program (RAP) up to 40 credits
The Registered Apprenticeship Program 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 ten. The student selects a trade and is placed into a 125-hour work experience (5 credits) which serves as a probationary period. Successful students are then indentured and can earn up to 40 Registered Apprentice credits toward graduation. The student's timetable is adjusted to accommodate the RAP program. By graduation the student can have completed the hours needed for the first year of an apprenticeship and be ready to apply for the training weeks at a post-secondary institution.
Prerequisite: HCS 3000
### Career and Technology Studies (CTS)

<table>
<thead>
<tr>
<th>CTS CLUSTERS</th>
<th>COURSES OFFERED</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Business Administration, Finance &amp; Information Technology (BIT)</strong></td>
<td>IT Essentials</td>
</tr>
<tr>
<td><strong>Health, Recreation &amp; Human Services (HRH)</strong></td>
<td>Cosmetology / Creative Cosmetology</td>
</tr>
<tr>
<td></td>
<td>Culinary Arts</td>
</tr>
<tr>
<td></td>
<td>Food Studies</td>
</tr>
<tr>
<td></td>
<td>Child Care</td>
</tr>
<tr>
<td></td>
<td>Leadership</td>
</tr>
<tr>
<td></td>
<td>Sports Medicine</td>
</tr>
<tr>
<td></td>
<td>Sports Performance</td>
</tr>
<tr>
<td><strong>Media, Design &amp; Communication Arts (MDC)</strong></td>
<td>Digital Design</td>
</tr>
<tr>
<td></td>
<td>Cosplay Couture</td>
</tr>
<tr>
<td></td>
<td>Fashion Studies</td>
</tr>
<tr>
<td></td>
<td>Photography</td>
</tr>
<tr>
<td></td>
<td>Titans Publishing</td>
</tr>
<tr>
<td><strong>Natural Resources (NAT)</strong></td>
<td>Horticulture &amp; Landscape Construction</td>
</tr>
<tr>
<td></td>
<td>Primary Resources</td>
</tr>
<tr>
<td></td>
<td>Wildlife Studies (Outdoor Education)</td>
</tr>
<tr>
<td><strong>Trades, Manufacturing &amp; Transportation (TMT)</strong></td>
<td>Autobody</td>
</tr>
<tr>
<td></td>
<td>Mechanics</td>
</tr>
<tr>
<td></td>
<td>Auto Mechanics</td>
</tr>
<tr>
<td></td>
<td>Construction</td>
</tr>
<tr>
<td></td>
<td>Wood Frame Construction</td>
</tr>
<tr>
<td></td>
<td>Welding &amp; Fabrication Studies</td>
</tr>
<tr>
<td></td>
<td>Electrical and Plumbing Systems</td>
</tr>
<tr>
<td></td>
<td>Woodworking</td>
</tr>
</tbody>
</table>
Business Administration, Finance and Information Technology (BIT)

**IT Essentials 10 (1590)**  
5 credits  
Do you want to understand why computers operate the way they do? When a computer breaks, are you the first person your friends or family turn to for help? Are you considering a career in the Information Technology field? If so, then IT Essentials is for you! Our world increasingly relies on computers and there is a great need for people with the necessary skills to program and operate computers. IT Essentials introduces key concepts of data communications and the underlying theory of information technologies. A hands-on, project-based course, IT Essentials gives students experience and knowledge in hardware assembly, software installation, computer operations, and diagnostics.  
*Prerequisite: None*

**IT Essentials 20 (2590)**  
5 credits  
Building on knowledge attained previously, senior IT Essentials classes immerse students in hands-on tasks for further develop their skill set and knowledge.  
*Prerequisite: IT Essentials 10*

**IT Essentials 30 (3590)**  
5 credits  
Project-based and student-led, the topics this course focus on mastering skills for a career in IT support. Previous projects have focused on networking, virtualization, malware, software installation, and basic PC assembly/disassembly.  
*Prerequisite: IT Essentials 20*

Health, Recreation & Human Services (HRH)

**Cosmetology**

**Cosmetology 10 (1516)**  
6 credits  
The Cosmetology program is comprised of three levels: Introductory, Intermediate and Advanced. Students study a progression of courses, learning more in-depth concepts and skills as they move from Introductory to Advanced levels within the curriculum and apprenticeship guidelines. This Introductory level is offered as a 6-credit course focussing on hair and esthetics basics.  
*Prerequisite: None*

**Creative Cosmetology 20 (2520) • 30 (3520)**  
5 credits each  
These courses are intended for students interested in Cosmetology, but are unable to commit to the Apprentice stream of studies.  
*Prerequisite: Cosmetology 10 for CC 20; Cosmetology 20 for CC 30*

**Cosmetology 20 Apprentice (2515 & 2517)**  
up to 23 credits total for 20/30  
The Intermediate and Advanced Apprenticeship program continues building on skills; preparing student for customer service and the industry Students will learn about the career which allows them to be an integral part of the fashion industry. Students learn to design suitable hairstyles for clients and also learn the fundamentals in: hair cutting, texturizing, public relations, sales, skin care manucures and more.  
*Prerequisite: Cosmetology 10*
Cosmetology 30 Apprentice (3515 & 3517) up to 23 credits total for 20/30

Practical skills are structured within the school (client service) and the community (work experience/RAP). Job related practical work allows the student to become aware of industry standards and employability skills both in and out of the classroom. The Intermediate and Advanced Creative Cosmetology program is another option for students interested in exploring the field including topics such as theatrical make up and esthetics.

Prerequisite: Cosmetology 10

Alberta Apprenticeship Requirements for Cosmetology

The Cosmetology program is sequential, and certain prerequisites are required to advance to the next level. Cosmetology Apprenticeship pathways is an introductory six-credit program, designed to introduce the student to basic hair and skin care techniques. Cosmetology 20 expands on skills learned in the introductory level program in addition to learning basic hair cutting and colouring skills. The skills learned allow the student to provide basic services for clients in the customer services portion of the program. Cosmetology 30 is designed to prepare the students for employment in related careers. Self-confidence, speed, accuracy, customer relations, and work ethics are emphasized.

Students can apply for apprenticeship in the hairdressing industry at any point while successfully completing the 50 mandatory credits (1400 hours) in Cosmetology. If this is your direction, work with the teachers to accomplish the required credits and hours.

The Cosmetology program is comprised of three main levels: Introductory, Intermediate and Advanced. Students study a progression of courses, learning more in-depth concepts and skills as they move from Introductory to Advanced levels within the curriculum guidelines. The Introductory level is offered as a 6-credit course. The Intermediate and Advanced Apprenticeship program is comprised of 23 1-credit courses, whereas the Intermediate and Advanced Creative Cosmetology programs each contain 5 1-credit courses.

Practical skills are structured within the school (client service) and the community (work experience/RAP). Job related practical work allows the student to become aware of industry standards and employability skills. Cosmetology hours and credits that students complete at each level may be applied towards furthering the student's apprenticeship.

Cosmetology 10-4 • 20-4 • 30-4 10 credits each

This program is designed to introduce students to future opportunities in Cosmetology through hands-on experiential learning. Cosmetology 10-4 students explore best-practice in the field of hair-dressing and aesthetics. Cosmetology 20-4 and 30-4 specialize in hairstyling and salon industry best-practice through real-world opportunities with community clients. Upon completion, students will be prepared for career or post-secondary opportunities in the cosmetology pathway. Cosmo 20-4 and 30-4 will include a 5-credit workplace practicum.

Prerequisites: None for Cosmo 10-4; Cosmo 10-4 for 20-4; Cosmo 20-4 for 30-4
Culinary Arts (Cook Trade Apprenticeship)

Culinary Arts 10 (1538) 5 credits
Students will learn commercial preparation and service of food by studying food basics, commercial kitchen equipment, nutrition, and sanitation. Students will prepare and experience a variety of culinary creations such as Savory Soups and Sauces, European Pastries and Breads, Garnishing, Decorating, Buffets and Banquets. The Culinary Arts Program introduces students to a wide variety of possible careers in the hospitality industry including Professional Chefs and Bakers, Restaurant Managers, Food Servers, Food Purchasers and Caterers.

Prerequisite: None

Culinary Arts 20 A & B (2536) - First Year Apprenticeship 10 credits
These courses expand on the knowledge and experience obtained during Culinary Arts 10. This program is intended to provide a specific CTS credential pathway related to the “Cook” apprenticeship with certain credit toward the Alberta Apprenticeship Program.

Prerequisite: Culinary Arts 10 or Foods 10

Culinary Arts 30 Advanced A & B (3536) 10 credits
Upon graduation from high school and with the support of an employer, a student may then enter into the post-secondary apprenticeship program as a first period apprentice with advanced standing. Students must be prepared to participate in lunch time food service.

Prerequisite: Culinary Arts 20

Food Studies

Students must complete a minimum of 3 credits at the previous level, including Food Basics (FOD 1010) to continue onto the next level. Students can transfer from Foods 10 to Culinary Arts 20 and from Culinary Arts 10 to Foods 20.

Food Studies 10 (1535) 5 credits
In the Foods program, students will approach food topics with personal nutrition, home life, personal diet, and family health as a focus. Students will learn basic food safety, cooking terms and skills. There are many opportunities for students to choose their own recipes. The course is divided between cooking labs and theory assignments and designed around the student-centered process.

Prerequisite: None

Food Studies 20 (2535) 5 credits
Students will approach food topics with personal nutrition, home life, diet, and family health as a focus. The Foods program follows a three-year rotation of modules and continues to build on skills developed at the previous level. The course is divided between cooking labs and theory assignments and designed around the student-centered process.

Prerequisite: Food Studies 10

Food Studies 30 (3535) 5 credits
Students will approach food topics with personal nutrition, home life, diet, and family health as a focus. The Foods program follows a three-year rotation of modules and continues to build on skills developed at the previous level. The course is divided between cooking labs and theory assignments and designed around the student-centered process.

Prerequisite: Food Studies 20
Foods Studies 30 Grad (3533)  
Foods Studies 30 Grad is offered as a 6-credit course and uses the student-centered process. This class deals with food preparation for the home and personal life. It is a collection of 6 1-credit modules at the 30 level. The Foods program is divided up between theory assignments and cooking labs.  
Prerequisite: None

Human Care / Child Care

Human Care 10-4 (1441)  
This course is the pre-requisite for the Child Care 20 and 30 levels. Students explore human development from babies to the elderly. We look at various body systems and how an impairment can affect a person’s development. This course has a variety of hands on learning opportunities and we build our communication and team work skills. This course is offered at the Jack James Campus.  
Prerequisite: None

Child Care 20-4 (2441) • 30-4 (3441)  
Students will complete their Child Development Assistant Certification issued by the Government of Alberta. The students work with the preschool program 4 mornings a week as a team and will have the opportunity to take on planning the activities for the children. This program can also be for students who want to work in humanity related careers, like teaching, nursing and social work. These courses are offered at the Jack James Campus and include a 5-credit workplace practicum.  
Prerequisite: Child Care 10-4

Leadership

The Leadership program encourages key elements of servant leadership through peer and mentorship learning opportunities. Students will be given opportunities and encouragement to develop their own leadership skills, take risks, and grow in positive/productive ways. Leadership 10, 20, and 30 are courses that will be of great interest for students who are passionate about making a difference within their leadership class, school and greater community.

Leadership 10 (1990)  
This program is designed to allow students to develop their personal leadership style within the framework of a number of applicable CTS courses. This course is very much student driven; students will have the time and freedom to explore their interests and passions, and will choose an area of the school, the community, or the wider world in which to create lasting positive change. All students in the leadership program will be involved in putting on many key activities in the school. These include: lunchtime activities, pep rallies, staff and student recognition, service projects and other student-driven initiatives. This course will also explore different styles of leadership, and how famous leaders have modeled them.  
Prerequisite: None

Leadership 20/30 (2990)  
The leadership 20/30 program is designed to provide students an opportunity to develop their personal leadership style within the framework of a number of applicable higher-level CTS courses. The program is largely student driven and rooted in experiential learning. Over the course of the year, students are presented with opportunities to develop their own leadership skills and build positive relationships with their local and global communities.  
Prerequisite: Leadership 10
Sports Medicine

*This is an academic option and requires hard work and application of skills in order to be successful. Students who are interested in Sports Medicine should be looking at core Science courses in order to have the required academic abilities to complete this program.*

**Sports Medicine 10 (1813) 5 credits**
This CTS course of study includes an extensive introduction to anatomy (bones, muscles and joints) and their relation to athletic injuries. In this course, students will learn the basics of anatomy, physiology, biomechanics, kinesiology, general nutrition, and basic athletic training procedures. Lab sessions cover training-room operations, taping and wrapping, athletic injury assessment, use of heat and cold modalities, recordkeeping. Students are also required to commit to a minimum of 10 hours of training time with the Forest Lawn School Teams. This program is a great introduction to any health care related field that students may be interested in.

*Prerequisite: None*

**Sports Medicine 20 (2813) 5 credits**
This CTS course includes the study of human physiology, athlete health and performance, and an introduction to injury rehabilitation. Recognition and treatment of injuries is the focus, by using student’s background in anatomy, and progressive teaching of more advanced taping and wrapping skills. Skills in this course build on those attained in Sports Medicine 10. Students learn rehabilitation strategies, indications and contraindications of modalities, nutrition, advanced First Aid, and others. At this level the students must commit to a minimum of 25 hours of training with the teams, this is mandatory to be in the program. At this level students will have to be recommended by the teacher to enroll in this course.

*Prerequisite: Sports Med 10*

**Sports Medicine 30 (3813) 5 credits**
This is a CTS course designed for anyone with an interest in advanced anatomy and physiology, or those students interested in pursuing Kinesiology, Physiotherapy and other related medical fields. Grade 12 students will be the senior trainers for the school. This will require a commitment (minimum 100 hours) to train at least one team during their semester of study. The students will only be in class one day per week in J Block after school. The students will be taking an Enhanced First Aid course in the J Block period.

*Prerequisite: Sports Med 20*
Sports Performance

With the increasing demands on sports 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.

*All levels of Sports Performance are extremely rigorous and physically demanding courses and should only be requested by students desiring high performance levels of physical fitness.*

**Sports Performance 10 (1446)** 5 credits
The purpose of the Sports Performance curriculum is to provide student athletes an opportunity to learn a wide variety of knowledge, skills, and attitudes that support the maximization of physical, social, cultural and emotional potential through sporting endeavors. Through a combination of theory and practical exposure to areas of sports science, students enrolled in the course will be introduced to the field of sports performance.

*Prerequisite:* None

**Sports Performance 20 (2446)** 5 credits
At the advanced levels, students learn the importance of proper training principles, sport psychology, goal setting, and tracking personal development. These courses continue to build on the material taught in previous courses and are a blend of theory and activity.

*Prerequisite:* *Successful completion of Sports Performance 10 and Teacher recommendation required.*

**Sports Performance 30 (3446)** 5 credits
At the advanced levels, students learn the importance of proper training principles, sport psychology, goal setting, and tracking personal development. These courses continue to build on the material taught in previous courses and are a blend of theory and activity.

*Prerequisite:* *Successful completion of Sports Performance 20 and Teacher recommendation required.*
Media, Design & Communication Arts (MDC)

Digital Design

Digital Design 10 (1571) 5 credits
Digital Design is a course which builds foundational skills in photography, graphic design, computer drawing and animation. In Photography, students use DSLR cameras and a variety of lenses to capture images which focus on the fundamental rules of good composition. Photoshop is used to later enhance photographs as well as to create new and interesting projects which develop each student’s understanding of graphic design. Finally, students will use Adobe Animator to create and eventually animate cartoons. This course is offered at the Jack James Campus.

Prerequisite: None

Digital Design 20 (2571) 5 credits
In the 20 and 30 level of the class, students are offered two blocks each morning making the class worth a total of 10 credits. In this class, students are asked to go much deeper into the technical operation of the camera and will be asked to take photographs in all of the various shooting modes. Students are also introduced to 3D animation and 3D modeling using 3Ds Max, an industry level modeling program. It is here that they will learn the fundamentals of how to create a 3D model, how to modify it, and how to add advanced features like texture maps and lighting. Basic animation principals are also introduced at this level of the course. This course is offered at the Jack James Campus.

Prerequisite: Digital Design 10

Digital Design 30 (3571) 5 credits
By the time students enter the 30-level course, they are expected to take on a significant amount of individualized learning. These students will be asked to expand upon all of the themes in the 20 level course, and may be given special projects around the school. In 3D, students are now taught more advanced animation concepts like how to rig a model, and how to animate bipeds. They will have significant say in what they choose to work on, and which projects they will advance. These students eligible to be a part of the 3D animation team which competes in the skills Canada competition at the end of the year. This course is offered at the Jack James Campus.

Prerequisite: Digital Design 20

Titans Publishing and Design 10 (1593) • 20 (2593) • 30 (3593) 5 credits each
Titan Publishing and Design is a project-based class where we focus on digital arts and communication. Specifically, this course is for students who want to: develop their photography skills, learn how to use photography and Adobe Photoshop to create digital art, explore marketing, develop project management skills, and become leaders in the school. This course may also capture and mix CTS modules from areas such as: Communication Technology, Networking, Management and Marketing and Information Processing. Titans Publishing and Design’s main focus is the creation of the current year’s Yearbook for Forest Lawn High School. Students and the teacher work together as a team in the production, promotion, and management of this project.

Prerequisite: None for TP 10; Titan Publishing 10 for TP 20; Titan Publishing 20 for TP 30
**Fashion Studies**

**Cosplay Couture 10 (1646) 5 credits**
In each Cosplay Couture class students begin by picking a costume or character that they wish to create. Cosplay 10 students will learn basic sewing skills as they put together a simple costume that contains either pants, shorts, or a skirt.

*Pre-requisite: None*

**Cosplay Couture 20 (2646) • 30 (3646) 5 credits each**
As students continue through Cosplay 20 and 30 they will learn more advanced skills in order to create more complex costumes that contain collared shirts, lined jackets, and specialty fabrics.

*Pre-requisites: Cosplay Couture 10 for CC 20; Cosplay Couture 20 for CC 30*

**Fashion Studies 10 (1645) 5 credits**
Fashion Studies 10 provides many opportunities for students to learn how to use the sewing machine and the serger. Students will sew basic projects such as skirts, pants or shirts. Creative work (fabric painting, machine and hand embroidery, recycling, etc.) is emphasized throughout the course.

*Prerequisite: None*

**Fashion 20 (2645) 5 credits**
Students will experiment with several design techniques by drafting patterns, designing with flat patterns and sketching fashion illustrations. Students will learn how to apply an interfaced collar to a project.

*Prerequisite: Fashion 10*

**Fashion 30 (3645) 5 credits**
Students will sew advanced projects such as evening gowns, coats, jackets, lined tailored garments or original wearable art creation. They will develop a greater awareness of the role of the fashion industry and the world of designers.

*Prerequisite: Fashion 20*

**Photography**

**Photography 10 (1592) 5 credits**
This is an introductory course that will introduce students to a variety of technological outlets for visual art. Students will have the opportunity to learn the essential elements of black and white photography, printing techniques, digital imaging/photography and digital film production. Students will go beyond simple "point and shoot" and will learn how to capture images and create art.

*Prerequisite: None*

**Photography 20 (2592) 5 credits**
This intermediate course will provide an opportunity for students to develop a portfolio of work. Students will reflect on the artistic process and apply a critical eye to their world and the art that they create. Students will delve deeper into photography, printing and digital imaging. Students will place more emphasis on a selected medium at the end of the semester.

*Prerequisite: Photography 10*

**Photography 30 (3592) 5 credits**
This advanced course will give students the opportunity to create a portfolio of work that challenges their creativity as well as their media and technology literacy. Students will create art through photography, printing and digital imaging.

*Prerequisite: Photography 20*
Natural Resources (NAT)

*The Horticulture & Landscape Construction courses may be applied towards a Green Certificate in Agriculture.*

**Horticulture & Landscape Construction 10 (1705) 5-10 credits**
In the Horticulture & Landscape Construction 10 program offered at both CTS and K&E level, students learn about botany the parts and functions of plants, plant care from seeds or propagated cuttings to harvest, managing plant growth, greenhouse operation, gardening, landscaping, teamwork, careers, as well as other agriculture related concepts. Students learn some basic flower arranging skills creating new seasonal arrangements, as well as designing and building planter boxes.
This course is offered at the [Jack James Campus](#).

*Prerequisite: None*

**Horticulture & Landscape Construction 20 (2705) 10 credits**
In the Horticulture & Landscape Construction 20 program offered at both CTS and K&E level, students will apply knowledge learned in previous modules to the growing and maintenance of a greenhouse crop. Students will identify and describe plants that are grown in Alberta climates, growth requirements, managing pests and identifying common problems that arise in greenhouse crops. Advanced floral and landscape design install and maintenance, specialty greenhouse crops, agriculture field crops and the careers available to those interested in this area will also be covered.
This course is offered at the [Jack James Campus](#).

*Prerequisite: Horticulture & Landscape Construction 10*

**Horticulture & Landscape Construction 30 (3705) 10 credits**
In the Horticulture & Landscape Construction 30 program offered at both CTS and K&E level, students will continue to apply the knowledge learned in previous modules. They will extend their techniques in developing field crops by looking deeper at biogenetics and technology available. Plant identification, maintenance, floral design for specific occasions and marketing techniques will also be covered. Throughout the course, students will be also exposed to careers that encompass the Horticulture field.
This course is offered at the [Jack James Campus](#).

*Prerequisite: Horticulture & Landscape Construction 20*

**Primary Resources 10/20/30 (1730) 5 credits**
Interested in a career in the Oil & Gas industry? Then this is the course for you. We examine Alberta’s hydrocarbon and mineral resources, exploration, recovery & production, refining and reclamation technology within the non-renewable resources, as well as the renewable technologies. We will also examine the techniques involved in developing consumer products/services within a hydrocarbon or mineral industry. Students study a progression of topics, learning more in-depth concepts and skills as they move from Introductory to Advanced levels within this combined-level course

*Prerequisite: None*

**Wildlife Studies (Outdoor Education) 25 (2444) • 35 (3444) 5 credits**
Wildlife Studies 25 and 35 provides a carefully crafted progression of experiences that allow students to examine an activity (i.e. backpacking, wildlife issues, cycling, paddling, wilderness survival) and apply their newly acquired knowledge, skills and attitudes in a series of off-site activities delivered through guided instruction and successful experience. This program encourages active student involvement, effective decision making, responsible leadership, risk management and wildlife conservation. Participation in course activities will encourage a passion for the outdoors, an appreciation of the need for environmental stewardship, and the understanding that these are lifelong learning commitments.

*Prerequisite: None for WS 25; Wildlife Studies 25 for WS 35*
Trades, Manufacturing & Transportation (TMT)

Automotives

Do you like working with your hands? Do you like the idea of having variety in your day to day tasks? How about seeing your work take shape in front of your eyes? Then auto body and collision repair may be the rewarding career choice for you. This program will provide a strong foundational understanding of the technologies and techniques used, along with numerous opportunities to perfect craftsmanship through actual repairs in our state of the art repair shop. This approach will equip the student with the necessary skill set to thrive within the industry, based on real world experience.

**Autobody 10 (1505)** 5 credits

Autobody 10 is focused on teaching students how to work with metal to repair dents, scrapes and damage to vehicles. The program will teach students proper tool identification and usage, accurate measurements, filling techniques, shop safety and lab procedures. This course is offered at the Jack James Campus.

**Prerequisite:** None

**Autobody 20 (2505)** 10 credits

Autobody 20 is a further enhancement to the students’ knowledge about how to work with metal to repair dents, scrapes and damage to vehicles. Students continue to investigate the career opportunities within this field. This course is offered at the Jack James Campus and will include a 5-credit workplace practicum.

**Prerequisite:** Autobody 10

**Autobody 30 (3505)** 5 credits

Autobody 30 is the culmination of the past 2 years of training for students in the area of autobody work. The program is focused on expanding student knowledge about estimations, time management and job completion to repair dents, scrapes and damage to vehicles. Actual career opportunities are investigated and students can research possibilities of employment. This course is offered at the Jack James Campus and will include a 5-credit workplace practicum.

**Prerequisite:** Autobody 20

**Mechanics 10 (1685)** 5 credits

The Mechanics 10 program provides opportunities for students to learn about mechanical systems, automotive electrical systems, vehicle care and maintenance, the basics of hydraulic and pneumatic theory and the fundamentals of various spring, bounce control and steering systems. Students will learn about the tools used, safety in the shop and basic customer service. This course is offered at the Forest Lawn Campus.

**Prerequisite:** None

**Mechanics 20 A/B (2689)** 10 credits

The Mechanics 20 program provides more opportunities for students to enhance their basic knowledge about mechanical systems, automotive electrical systems, vehicle care and maintenance, the basics of hydraulic and pneumatic theory and the fundamentals of suspension and steering systems. Students will continue to expand their learning about the mechanics trade, the interrelated systems within vehicles and be more involved in providing customer service. This course is offered at the Forest Lawn Campus.

**Prerequisite:** Mechanics 10
Mechanics 30A/B (3689) 10 credits
The Mechanics 30 program is a culmination of the past 2 years of work for students. Students add to their learning, while performing service on vehicles and begin their diagnostic skill enhancement. This course is offered at the Forest Lawn Campus.
Prerequisite: Mechanics 20

Auto Mechanics 10-4 5 credits
Students will be introduced to the practical and theoretical concepts connected to proper use of tools and shop machines, tire repair and balance, brake operations and principles, and general vehicle maintenance. This course is offered at the Forest Lawn Campus.
Prerequisite: None

Auto Mechanics 20-4 • 30-4 10 credits each
Students will explore intermediate and advanced auto-mechanic concepts in areas such as engine operation and maintenance, suspension systems, steering systems, brake systems, as well as general vehicle maintenance and up-keep. Students who complete the advanced 30-4 course will be prepared to become a Registered Apprentice or pursue post-secondary opportunities in this high demand sector. These courses are offered at the Forest Lawn Campus and will include a 5-credit workplace practicum.
Prerequisites: Auto Mechanics 10-4 for AM 20-4; Auto Mechanics 20-4 for AM 30-4

Construction

Construction 10 (1658) 5 credits
Construction 10 will give students a strong foundation in the woodworking and construction system trades for future opportunities in this sector. Specific emphasis is placed upon shop safety and learning the tools, machines and techniques of the woodworking and constructions systems trades. This course is offered at the Jack James Campus.
Prerequisite: None

Wood Frame Construction 20 (2658) • 30 (3658) 10 credits each
Wood Frame Construction provides students with a ‘real-world experience in manufacturing homes/structures for residential use. Students in the intermediate (20) and advanced (30) levels will construct a residential home for Homes-By-Avi that will be sold in the commercial market. This innovative and award-winning partnership provides students with the opportunity to gain valuable experience in this high demand sector. These courses are offered at the Jack James Campus and will include a 5-credit workplace practicum.
Prerequisites: Construction 10 for WF Construction 20; WF Construction 20 for WFC 30

Electrical and Plumbing Systems

Electrical and Plumbing Systems 20 (2660) • 30 (3660) 10 credits each
Building on knowledge and skills learned in Construction or Woodworking 10, the Electrical and Plumbing Systems program provides opportunities for senior shop students to learn trade-specific knowledge and skills in the electrical wiring and plumbing trades. Students will gain valuable employability and occupational skills in a “hands on” environment with an emphasis on learning through project work. Eligible students will also be encouraged to compete in the Skills Canada competition in the Electrical Wiring category and also to enroll in RAP (Registered Apprenticeship Program). These courses are offered at the Jack James Campus and will include a 5-credit workplace practicum.
Prerequisite: Construction 10 or Woodworking 10 or by recommendation of a Jack James School Counsellor
Woodworking

Woodworking 10 (1655) 5 credits
The Woodworking program at the Grade 10 level will focus on hand and power tool identification and usage, proper design and fabrication techniques, accurate measurement and proper layout techniques. One of the major objectives is shop safety in relation to tool usage and correct lab procedures. These objectives will be developed through various wood projects completed during the semester. Projects such as a picture frame, a change box, a stool, a table with a drawer, are a few of the projects that will be designed and built. This course is offered at the Forest Lawn Campus.

Prerequisite: None

Woodworking 20 (2655) 5 credits
The Grade 11 Building Construction 20A program will use modules from the Construction Technology CTS curriculum to help students build on the competencies developed in the Grade 10 Woodworking Program. It focuses on developing more complex competencies required for the cabinet makers’ industry. It helps students recognize the wide range of related career possibilities available to them. This course is offered at the Forest Lawn Campus.

Prerequisite: Woodworking 10 or Construction 10

Woodworking 30 (3655) 5 credits
The Grade 12 Woodworking 30 program will use modules from the Construction Technology CTS curriculum to help students build on the competencies developed in the Grade 11 Woodworking Program. It focuses on developing more complex competencies required for the woodworking Industry. It further enhances students’ skills for the construction industry, and also helps students recognize the wide range of related career opportunities available within the woodworking Industry. This course is offered at the Forest Lawn Campus.

Prerequisite: Woodworking 20 or Wood Frame Construction 20

Fabrication

Welding & Fabrication Studies 10 (1675) 5 credits
This is an introductory welding and fabricating (building with metal) course. Students learn how to do basic welds with the Oxyacetylene, Arc, and MIG systems and learn to use basic hand and power tools essential to welding and fabricating. Students will complete a custom or customer project. This course is offered at the Forest Lawn Campus.

Prerequisite: None

Welding & Fabrication Studies 20 (2675) 5 credits
This is the intermediate welding course. Students learn more advanced welds using the Oxyacetylene, Arc, and MIG systems, and how to cut metal with an Oxyacetylene cutting torch and the Plasma torch. As well, students are required to build a custom or customer project. This course is offered at the Forest Lawn Campus.

Prerequisite: Fabrication 10

Welding & Fabrication Studies 30 (3675) 5 credits
Students interested in a career as a journeyman welder or who plan to take further training in the field should complete this course. Students learn to weld steel and aluminum with TIG, do horizontal and vertical welding with the Arc and MIG systems and complete a bend test. Students will complete a custom or customer project. This course is offered at the Forest Lawn Campus.

Prerequisite: Fabrication 20
**Advanced Placement (AP) & Dual-Credit Courses**

The Advanced Placement program at Forest Lawn High School is intended to provide opportunities for students:

- To engage in rigorous exploration of areas of strength and passion in an enriched curriculum
- To holistically interconnect core subjects with other disciplines in the options and trades
- Who are academically prepared and motivated to take University/College level courses and potentially earn credits for University level courses

Advanced Placement (AP) is one high school route for university preparation, providing enriched and challenging academic courses that parallel and expand on the material covered in Alberta Education curricula. These courses are designed to help you develop good academic habits: analytical reasoning skills and disciplined study. AP provides the flexibility to take one or more courses depending on your interests. Successful completion of AP examinations can lead to obtaining credit for some first-year university courses. In addition to the AP exams, you are still required to write the Alberta Diploma Examinations in January or June.

**Recommended Sequence for AP / Dual-Credit Courses**

<table>
<thead>
<tr>
<th>GRADE 10</th>
<th>GRADE 11</th>
<th>GRADE 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Science 10 AP Stream</td>
<td>Math 10 AP Stream</td>
<td>Math 20-1 / Math 30-1 AP 5 credits each</td>
</tr>
<tr>
<td>Biology 20 AP Stream (2019-20)</td>
<td>Chemistry 20 AP Stream (2018-19)</td>
<td>Chemistry 30 (2018-19) or Biology 30 / 35 AP (2019-20) may be taken either in Grade 11 or 12 alternate years 8 credits</td>
</tr>
<tr>
<td>English 10 / Social 10 AP Stream full year course 10 credits</td>
<td>English 20-1 AP Stream 5 credits</td>
<td>English 30-1 / World Literature 35 8 credits</td>
</tr>
<tr>
<td>Social 20-1 / History 35 AP full year course up to 14 credits</td>
<td>Social 30-1 5 credits</td>
<td></td>
</tr>
</tbody>
</table>

*Students requesting to take AP courses offered in grade 11 & 12 are required to have a teacher recommendation in the pre-requisite course.*