

COURSE DESCRIPTIONS

SOCIAL/SCIENCES

Psychology

The objectives of the 3-credit course in psychology will focus on the scientific approach to understanding human behaviour so that students may appreciate more fully the reasons that underlie one's own acts and those of one's fellows.

Theme 1 – Introduction to Psychology

Theme 2 – Personality

Theme 3 – Behaviour

Theme 4 – Intelligence

Theme 5 - Heredity & Environment

Theme 6 – Biological Influences on Behaviour

Theme 7 - Understanding Perception

CAREER & TECHNOLOGY STUDIES – CTS

CTS Clusters

A cluster is a group of CTS courses that represents occupations and broad industry commonalities. Clusters in CTS are aligned with National Occupational Classification (NOC) and function as an organizing tool for the CTS program.

The CTS Program Includes 5 Clusters

- 1) *Business Administration, Finance & Information Technology (BIT)*
- 2) *Health, Recreation & Human Services (HRH)*
- 3) *New Media & Communication Arts (MDC)*
- 4) *Natural Resources (NAT)*
- 5) *Trades, Manufacturing & Transportation (TMT)*

CTS courses are taught in modules and are designated with a number

- 1) *10 or Introductory Level*
- 2) *20 or Intermediate Level*
- 3) *30 or Advanced Level*

A student will earn one credit for each module completed. Some modules have pre-requisites that must be completed. Advanced modules can be used for admission to some post-secondary institutions. Students can enroll in the same CTS course multiple times as there are numerous modules available at the introductory, intermediate, and advanced levels.

CTS Courses Offered

Computer Science and Programming

Attention Gamers and Smartphone users! This course provides an excellent challenge for students interested in problem solving. Software design and programming skills are developed using several different computer "languages" for both business and gaming applications. Course content is presented through DOING. Students will start in the development of their own software applications and even have the opportunity to be introduced into the world of robotics.

Cosmetology

Students will learn the importance of positive self-image as well as hair basics, including hair and scalp care, basic and creative hair braiding, forming and finishing (curling and designing the hair). Introductory hair cutting/trimming may be offered. Students are required to pay a fee to cover costs, please refer to the fee schedule on page 14 as prices are subject to change.

Financial Management

Does the idea of starting your own business interest you? Take this course to learn the terms and practices that businesses use to record and manage their day to day transactions. Along with the fundamentals of accounting, students are introduced to computer simulations on investments, learning about single owner and service business and exploring the exciting world of stock market investment and analysis.

Foods

This is a module based course with each module worth one credit upon completion of its requirements. It is required to complete a minimum of 3 modules per semester. All aspects covered in these modules will help the student become more confident in the kitchen. Students are required to pay a fee to cover all cooking costs, please refer to the fee schedule on page 14 as prices are subject to change.

Health and Fitness

Health and fitness have become very important words in modern times with so much information available but where do we find the right information? Health and Fitness 10 will give students the skills they need to understand the information about their own health, wellness, fitness and nutrition. As a class, we will work on the theory of health by including nutrition, anatomy and flexibility. We will also work to better understand and practice good training and exercise.

Media Design

Students will explore a variety of topics including graphic design, website development and 3D printing and modeling. Adobe Photoshop, Illustrator, After Effects and other applications from the Adobe Creative Suite will be explored and used to create student projects. Students will be introduced to hands-on sketching, drawing, and image manipulation. Students will use applications from the Adobe Creative Suite to create portfolios that showcase their digital creations. This course is of special interest to those who are interested in combining art and creativity with computer technology.

Outdoor Pursuits

This course is designed to prepare students to become comfortable, knowledgeable and safe conservationists while taking part in outdoor recreation. Camping and self-propelled activities such as backpacking and mountain biking will push individual personal limits and promote active living. Students interested should be prepared to take part in a variety of risk activities, team building, and have a concern for the sustainability of the natural environment Outdoor Pursuits is a CTS option. Physical Education 10 is a requirement for this course. Preference will be given to students who have completed Physical Education 10 and are in Grade 11 or 12.

Photography

Learn the basics of photography including rule of thirds, dynamic range, negative space and how light affects the mood, texture and feeling of a photograph. Students are required to pay a fee to cover costs, please refer to the fee schedule on page 14 as prices are subject to change.

Robotics

Students use an appropriate Robot Control Language (RCL) to design, develop, implement and debug robotics programs that employ standard structured programming constructs and simple data structures. In the process, they develop a general understanding of robots and the robotics environment. There will be a fee to cover costs, please refer to the fee schedule on page 14 as prices are subject to change.

Shop

This is a module based course with each module worth one credit upon completion of its requirements. The objective is to introduce trade elements and industry standard equipment, and allow students to acquire skills and knowledge that match their interests and career possibilities. Modules are offered in welding, construction, electrical, mechanics etc. Students are required to pay a fee to cover costs, towards their first project and material costs, please refer to the fee schedule on page 14 as prices are subject to change.

Textiles

This is a module based course with each module worth one credit upon completion of its requirements. Students can learn to safely use a sewing machine and other textile arts such as knitting, crocheting, cross-stitch, and machine embroidery. Students are required to pay a fee and purchase supplies for other modules. Please refer to the fee schedule on page 14 as prices are subject to change.

Tourism

This course is designed to teach students about the economic, social, and environmental impact that tourism has in Alberta. Students will gain knowledge of the industry by participating in a number of tourism-related activities.

Video and Animation

Students will learn the technology and procedures to create movies from conception to output to DVD. Students will work through script writing, storyboarding, video capture, video editing, sound editing, video composition and finally outputting to different media such as YouTube or DVD.

Wildlife

The Wildlife course has been designed to meet the needs of our active outdoor student enthusiasts. In this course students will develop the attitudes, skill and knowledge related to wildlife, ecosystems and an understanding for the need to manage wildlife. Students will also investigate the diversity of Canadian wildlife in terms of structure, behavior, and habitat and compare Alberta wildlife with wildlife in other parts of the world. Also, students will conduct animal dissections and a parasite project that extend and enhance their attitudes, skills and knowledge towards wildlife.

FINE ARTS

The Fine Arts (Art, Instrumental and Choral Music, & Drama) develop lifetime skills: such as self-discipline, concentration and abstract and critical thinking. Students are involved as creators, performers, historians, critics, and patrons as they enhance their breadth and depth of expression and intuitive response.

Fine Arts Courses Offered

Art 10/20/30 (3 or 5 credits)

All Art courses will involve drawing, painting, sculpture, and other media. Art may be taken for 3 credits or 5 credits. Art 30 must be taken for 5 credits. Students are required to pay a fee to cover costs, please refer to the fee schedule.

Concert Band 9/10/20/30 (5 credits)

Concert Band is comprised of any grade 9-12 student who can play a wind or percussion instrument. There is a performance component to this course and students are expected to attend some evening and weekend performances throughout the school year. This course is only offered for a full year. Students are required to pay a fee for band instrument rental and a fee for a band uniform rental, please refer to the fee schedule on page 14 as prices are subject to change.

Drama 10/20/30 (3 or 5 credits)

Drama involves the exploration of various forms of artistic communication between participant's intent communicating the message to an audience. Method of communication and skills developed include: speech, movement, writing, directing, improvisation, acting, and play writing. Drama 30 must be taken for 5 credits.

Stage Band 15/25/35 (5 credits)

Stage Band is comprised of grade 10, 11 and 12 students who play saxophone, trombone, trumpet, piano, bass, guitar and drums and audition each year to become a part of this group. There is a performance component to this course and students are expected to attend some evening and weekend performances throughout the school year. This course is only offered for a full year.

PHYSICAL EDUCATION

Physical Education 20/30 (3 or 5 credits)

The PE 20/30 course is a continuation of PE 10. The course provides additional opportunities for students to participate in activities. The course continues to emphasize active living, daily participation and well-being. A greater emphasis will be placed on developing leadership skills and qualities. Students are required to pay a fee to cover costs, please refer to the fee schedule on page 14 as prices are subject to change.

Active Living 10/20/30 (3 credits)

Active Living course is to provide an opportunity for students to engage in physical activities which teach students various individual skills and knowledge with the goal of promoting life-long physical activity. This course will differ from Physical Education 10/20/30 in that the focus will be mainly on individual activities, knowledge, and skills, with very little emphasis on competition, traditional sports, or group activities/games. Example activities include, but are not limited to; walking, hiking, biking, swimming, weight training, yoga, pilates, tai chi, boxing, various individual exercise programs, etc. Students will receive PE 10/20/30 credits for this course.

SECOND LANGUAGES

French 10/20/30 (5 credits)

Introduction to basic practical French language and expand knowledge at each course level taken. French 30 does not require a diploma exam, but is accepted as an academic course at several Canadian Universities. This course is only offered on a semester basis.

Spanish 10/20/30 (5credits)

Introduction to basic practical Spanish language and expand knowledge at each course level taken. Spanish 30 does not require a diploma exam, but is accepted as an academic course at several Canadian Universities. This course is only offered on a semester basis

RELIGIOUS STUDIES

Seminary 15/25/35

Seminary is a locally developed program facilitated by The Church of Jesus Christ of Latter-day Saints. It provides students with weekday religious instruction. It assists youth in improving study, communication and self-improvement skills.

Locally Developed Classes

Forensic Science 25/35 (3 credits)

Content includes the collection and analysis of evidence from crime scenes, the principles of fingerprinting, breathalyzers, polygraphing, and DNA analysis. A major component is an analysis of real crime cases including the Laci Peterson murder, the infamous John Dillinger, the Zodiac killer, the O.J. Simpson case, the Atlanta Child Murders and the tragic death of Princess Diana. There is a final exam.

Reading 15/25

Reading 15 and Reading 25 are each 3 credits. These courses are designed to help students improve their reading comprehension, fluency and ability to respond to texts. Students will work in small groups at their own reading levels using the Fountas & Pinnell Literacy Program. Students will receive explicit instruction on phonics, reading comprehension strategies, vocabulary building and writing/responding to texts. More information about the Fountas and Pinnell Reading System can be found at:

<http://www.heinemann.com/fountasandpinnell/default.aspx>.

Creative Writing and Publishing - 15/25 (5 credits each)

Prerequisite: Strong interest in creative writing and the writing process. Must be taken in sequence. This series of courses provides students the opportunity to develop their writing interests and passions with practice in a variety of genres. They are encouraged to experiment with new ideas and concepts as they learn to manage and market their writing portfolios.