

2018 - 2019
COURSE PLANNING GUIDE



BOUNDARY CENTRAL SECONDARY SCHOOL

355 - 5TH Avenue
Midway, BC
V0H 1M0
250 449-2224

OFFICE HOURS AND VOICE MAIL

The school office is open from 8:00 am to 4:00 pm. Voice mail is available after hours by calling: 250 449 2224.

ADMINISTRATION CONTACT

Mr. Bo Macfarlane
250 449 2224
bo.macfarlane@sd51.bc.ca

SD #51 Board Office
250 442 8258
www.sd51.bc.ca

MISSION STATEMENT

Our mission at BCSS is to educate students to value learning, possess knowledge and skills, strive for personal excellence, experience success, exhibit responsible citizenship, enjoy life and meet the challenges of change through a variety of defined programs and technologies, supported by strong parental and community involvement and an effective, caring staff.

REPORTING AND AWARDS PROCEDURES

In a semester system, there will be four formal reports, two in each semester.

BCSS is using a cumulative grading system, which, in fact will indicate to parents, current and actual student placement/progress throughout the semester.

A student taking English will have a midterm mark/comment at the first report card and a final mark on the last report card of the semester. Grades will not be separated into terms therefore the semester will constitute 80% of the course mark and the final assessment will constitute 20% of the course mark.

All students from Grades 8 – 11 must take eight courses. Grade 12 students must take at least three courses in each semester to be eligible for awards.

Percentages with their letter grade equivalent:

A	86%	-	100%
B	73%	-	85%
C+	67%	-	72%
C	60%	-	66%
C-	50%	-	59%
IP	0%	-	49%

MERIT ROLL, HONOUR ROLL AND PRINCIPAL'S HONOUR ROLL

Students achieving Principal's Honour Roll, Honour Roll and Merit Roll based on their Grade point averages will be acknowledged for their academic achievement. - Awards standings are based on a minimum of 16 credits (four courses) of completed work. CAPP marks at the Grade 8 and 9 levels are calculated for Awards standings.

GRADE POINT AVERAGE CONVERSIONS

The grade point average (GPA) conversion scale is as follows:

A	4.0	Principal's Honour Roll	GPA of 4.0
B	3.0	Honour Roll	GPA of 3.5 – 3.9
C+	2.0	Merit Roll	GPA of 3.0 – 3.4
C	1.0		
C-	0.0		

ASSESSMENT WEEK

At the end of each semester, for assessment in each class, students will participate in a three-day assessment period. Attendance is mandatory unless previously arranged by parents with administration. During this assessment period, students may be assessed in a variety of ways, allowing the assessment process to become a true reflection of student ability and curriculum mastery. Assessment is worth 20% of the final mark in a course.

STUDENT SERVICES

Careers/Post-Secondary Counselling Staff:

Marilyn Hanson: 250 449 2224 marilyn.hanson@sd51.bc.ca

Mrs. Lisa Baia: 250 449 2224 lisa.baia@sd51.bc.ca

The BCSS Counselling team provides assistance to students regarding career options, secondary and post-secondary choices, scholarship information, and financial aid. is responsible for the Graduation Transitions program,

COURSE PLANNING

OUR COURSE SELECTION PROCESS RUNS ON A TWO ROUND SYSTEM. IN THE FIRST ROUND, STUDENTS WILL SELECT COURSES WHICH THEY MUST TAKE (FOUNDATION STUDIES), AND ALSO SELECT COURSES WHICH ARE CONSISTENT WITH THEIR INTEREST AREAS (SELECTED STUDIES).

In addition to the 8 courses selected, students will choose 2 alternate courses in the event there is insufficient enrollment. (A minimum of 10 students and a qualified teacher is required for a course to run)

In *round 1* students also have the opportunity to suggest that a course be offered in the BCSS curriculum. Depending on numbers and availability of teachers and budget, the course may run.

Once we have established our courses, we will build a master timetable and proceed to a *round 2* course selections by semester and block.

If you have any questions please feel free to contact the administration or counsellor at BCSS at 250 449-2224.

GRADE 8/9

The following contains descriptions of the courses which may be offered in the Grade 8. Students take eight courses in each of Grade 8 and 9.

THE GRADE 8 YEAR:

English, Social Studies, Math, Science, Physical Education, French, ADST 8 (AKA Life Skills)

ADST 8

Applied Design, Skills and Technology 8 consists of mandatory exploratory blocks which run throughout the year. Explorations may include: Food Studies, Textiles, Computers, Metalwork, Woodwork, Art, Drama or Media Arts.

THE GRADE 9 YEAR:

English, Social studies, Science, Math, Physical Education, French 9 or Elective and 2 Elective Blocks

GRADE 9/10 ELECTIVES

FRENCH 9

French 9 continues the development of the listening, speaking, reading and writing skills introduced in French 8. The course focuses on communication in French. Students must be prepared to participate actively in listening and speaking situations in class. Reading and writing exercises are used to reinforce the ability to communicate effectively in French. As well, basic grammatical patterns are examined.

MATHEMATICS 9

This course is an extension of the grade 8 program. The major strands of this course include problem solving, numeracy, patterns & relations, shape & space, statistics & probability and finance. Successful completion of this course would lead to Foundations and Pre-Calculus 10 or Workplace 10.

APPRENTICESHIP & WORKPLACE MATH 9

This is a slower paced course for students who have weaker math skills. This course focuses on skill reinforcement and development. Topics include numeracy, algebra, income and debt, measurement and statistics. Successful completion of this course would lead to Workplace Math 10.

FRENCH 10

French 10 builds upon the concepts learned in French 9. In this course, students will continue developing their speaking, listening, reading and writing skills. Students will participate in real life speaking and listening situations and a variety of different activities to improve their spoken and written French. The students will study various cultural texts and media.

FOUNDATIONS & PRE-CALCULUS MATH 10

The course is specifically designed for the majority of the student population. This pathway was designed to provide students with the mathematical understandings and critical-thinking skills needed to enter post-secondary education. Topics include powers, linear relations, polynomials, trigonometry, probability and financial literacy. Successful completion of this course would lead to Pre-Calculus Mathematics 11, Foundations Mathematics 11, or Workplace Math 11.

APPRENTICESHIP & WORKPLACE MATH 10

The course is the first level course in a pathway specifically designed to provide students with the mathematical understandings and critical-thinking skills needed for entry into many of the post-secondary trades courses or for direct entry into the work force. Topics include problem solving, graphing, shape & space, statistics & probability and financial literacy. Successful completion of this course would lead to Apprenticeship & Workplace Math 11.

VISUAL ART 9/10

Art Foundations are comprehensive courses designed to facilitate a broad range of experiences in 2-D and 3-D visual arts. Students will be engaged in creating and responding a variety of 2-D and 3-D images. Art Foundations courses are designed to provide a balanced program of study in both traditional and contemporary 2-D and 3-D art forms. Areas of study may include: drawing, painting, ceramics, sculpture, printmaking, fabric, fibre, photography, film, video, design, digital imaging and performance art.

FOOD STUDIES 9/10

Food Studies 9/10 is designed to continue the exploration of food and nutrition that began in ADST 8. Students will learn about food borne illness, Canada's Guide to Healthy Eating, ethical issues related to food systems, food trends and First Peoples traditional use of food. The course will also encompass components of food preparation, including the use and adaptations of ingredients, techniques and equipment.

TEXTILES 9/10

Textiles 9/10 is designed to build upon the learning from ADST 8. Students will explore natural and manufactured fibres, develop strategies for using and modifying simple patterns, understand the care of different fabrics and learn about the role of textiles in First Peoples culture. Projects may include sewing, quilting, crochet, cross-stitch, felting and knitting.

DRAMA 9/10

Drama is a course developed for students who want to act in a play (or film). It provides students with a framework within which they can explore and evaluate the artistic components of the dramatic process. Students gain the competence and confidence to assume roles, interact with others in character, and arrange spaces for dramatic work. The key to success in this course is effort and teamwork. Regular attendance and participation are mandatory. Note: this course requires a commitment to afterschool rehearsals and attendance at evening performances.

MUSICAL THEATRE 9/10

Musical Theatre is a course designed to help students develop skills in three disciplines: voice(music), stage movement (dance) and acting. Students develop the skills, versatility and confidence to transfer their efforts towards a final Musical Production. The key to success in this course is effort and teamwork. Regular attendance and participation are mandatory. Note: this course requires a commitment to afterschool rehearsals and attendance at evening performances.

THEATRE PRODUCTION 9/10

Theatre Production is a course designed for students who want to work behind the scenes on a musical, play (or film). They will become familiar with production equipment and have opportunities to develop some of the technical skills required to plan, produce, and develop scripts for stage (or film). Possible areas of study in this course include: directing, cinematography, editing, lighting & sound, set design, stage management, production crew, hair & makeup, props and costume design. The key to success in this course is effort and teamwork. Regular attendance and participation are mandatory. Note: this course requires a commitment to afterschool rehearsals and attendance at evening performances.

WOOD SHOP 9/10

The students will learn how to safely use hand tools, how to act safely in a shop setting and around machines. Student will also learn how to approach machines and safely use Drill Press, Band Saw and Miter Saw, Lathe, Box and Pan Brake, Bench Shear

METAL SHOP 9/10

Exploration Technology is an introduction into the operations of a metal shop. Students will learn how to take an idea or concept, design it draft it and build it. Projects will be made both with Wood and Metal. The students will learn how to safely use hand tools, how to act safely in a shop setting and around machines. Student will also learn how to approach machines and safely use Drill Press, Lathe, Box and Pan Brake, Bench Shear, Bender, Roller, Oxy-Acetylene Torches, and MIG Welder.

****Parents, please note**** Safe work habits and appropriate behavior will be stressed and practiced at all times. The safe and proper use of all machines and tools is continuously taught and practiced. The danger of using any machine is a reality. Parental support is absolutely necessary to make the course a safe and fun experience. Students will be provided with material for their mandatory projects at no cost; however, students will be required to pay, in full, for material upgrade, project modification, and self-directed projects. Students whom wish to complete the course at no cost will complete sponsored projects.

GRADUATION PROGRAM

COURSE DESCRIPTIONS

The following pages contain general descriptions of courses which are offered in grades 11/12. Students will begin earning credits for their graduation program in grade 10. All students entering Grade 10 are advised to plan their program with great care taking into account post-secondary institution requirements and graduation requirements as well as personal interests and goals. Students and/or parents wishing additional information are encouraged to talk to the subject teacher, administrator, or counsellor. It is important to note that an elective course may not be offered if there is insufficient enrollment. It is possible that some courses will only be offered every second year to maintain sufficient enrollment.

COURSE CHANGES

Much time and planning goes into a student's choice of courses. Therefore, students are expected to honor their commitment to the courses they have requested. Casual requests for course changes cannot be considered. In view of this, students and their parents should give serious consideration to their selections of courses for the school year.

STUDY BLOCKS

All students must register for eight enrolling classes. Grade 12 students may request a study block through the administration and must have parental approval.

ALTERNATE DELIVERY OF COURSES

On occasion a senior academic course may not have sufficient enrollment to be offered by class, however, it may be possible to offer an online option for a subject interested in taking a course that is not offered in the timetable, or has a timetable conflict, and would like to take another course, please see an administrator or counsellor. Although a teacher will be available for assistance, a student taking a course by this method is required to be self-motivated and an independent learner.

PLANNING 10 AND GRADUATION TRANSITIONS
ARE MANDATORY FOR ALL STUDENTS

PLANNING 10

Planning 10 is a 4-credit required course which includes four curriculum content areas - Graduation Program, Education and Careers, Health, and Finances. In Planning 10, students establish a foundation for the gathering, creating and storing of the materials and evidence that they want to use as Grad Transitions evidence in addition to the Planning 10 learning outcomes. Students will continue to work on completing the Grad Transitions requirements in Grades 10 to 12. In Grade 12, the Transitions will be presented and worth 4 credits. Meeting the requirements (RM) for these credits is mandatory for Graduation.

GRADUATION TRANSITIONS (Completed in grade 12)

Graduation Transitions requires evidence that students have met the following learning outcomes:

- *Personal Health*

Engage in at least 80 hours of regular physical activity in addition to PE 10
Develop a healthy living plan appropriate to their lifestyle that describes sound nutritional habits, regular exercise routines, emotional health management, and positive health decisions

- *Community Connections*

Participate in at least 30 hours of work experience and /or community service
Describe duties performed, and show how the experience connects with developing employability and life skills

- *Transition Planning*

Develop a comprehensive plan that indicates students are prepared to successfully transition from secondary school.

Complete transition activities that support their career, life and learning goals

Identify and communicate skills that can be transferred to life after school

Identify and communicate costs and funding sources associated with education, career and life options after graduation

Present transition plan to members of the school and/or community

GRADE 11/12 ELECTIVES

FRENCH 11

French 11 is a continuation of French 10. Students will continue to develop their speaking, listening, reading and writing skills at a more in-depth level. The study of grammatical structures becomes more detailed, building upon patterns learned in French 9 and 10. Students will participate in authentic speaking and listening situations. The study of authentic French documents and media are an integral part of this course. Note: A grade 11 language may be required for entrance to post-secondary institutions. Please check requirements.

FRENCH 12

In French 12 students will be able to make connections between concepts previously studied in French 9, 10 and 11. This course prepares students for university French courses and/or travelling abroad. Students will participate in authentic speaking, listening, reading and writing activities that will help them succeed in a Francophone province or country. The development of speaking, listening, reading and writing skills continues at an even higher level than expected in French 12.

PRE-CALCULUS MATH 11

*Pre-requisite: Foundations & Pre-Calculus 10

This course is the most rigorous academic math course and is designed for those students wishing to attend university. This course is sufficient for general admission to university. Major units include algebra (absolute value, radicals, and rational expressions), trigonometry (non-Euclidean), Law of Sines, Law of Cosines, factoring polynomials, quadratic functions, solving problems that involve systems of quadratic equations and linear/quadratic systems, quadratic inequalities, and sequences and series.

PRE-CALCULUS MATH 12

This course builds on the concepts covered in Pre-Calculus Math 11. Major topics will include: Trigonometry, Function operations, Transformations, Logarithms, Polynomials, Radical Functions, Rational Functions and Combinatorics. This course is designed for students heading to Post Secondary Education in a field requiring a Calculus course. Students are encouraged to check requirements for the University or College of their choice.

CALCULUS 12

*Pre-requisite: Pre-Calculus 12

May be completed for an elective credit. This course is an introduction to differential and integral calculus. Topics covered include limits and their properties, differentiation of functions and its application to curve tracing and optimization problems, various techniques of integration and the application of integration to areas and volumes and inverse functions.

Business Accounting 11

Needs description

BIOLOGY 11

This course involves the study of the Invertebrate world, from single-celled organisms up to the multi-cellular plants and animals. There is a reasonable lab component to the course involving dissections and microscope use. This course is useful to students planning to enter a Bachelor of Science program at a post-secondary school. Areas of study are: Cytology, DNA & Genetics, Evolution, Classification & Taxonomy, Kingdom Monera & Microbiology, Kingdom Plantae, Kingdom Animalia

BIOLOGY 12

This course will be useful to students planning to undertake post-secondary courses in biology, zoology, botany, nursing, kinesiology, forestry or physical education. The course covers Human Physiology. Students should have a C+ or better grade in Biology 11 before attempting this course as there is a substantially larger workload. Evaluation: Is based largely on assignments and tests. There is not a great deal of lab work in this course due to the large amount of coursework, however students are REQUIRED to complete a fetal pig dissection as part of their final assessment.

CHEMISTRY 11

Topics for review and expansion are Atomic Theory, Kinetic-Molecular theory, Chemical Reactions and Equations. The Mole concept, Chemical Periodicity, Types of Bonding, and Organic chemistry comprise the new areas of study. A scientific calculator is required.

CHEMISTRY 12

Chemistry 12 covers 5 topics in detail: Chemical Kinetics, Equilibrium, Solutions, Acid-Base Reactions and Redox Reactions. A scientific calculator is required. This is a good course in preparation for studying sciences in University.

PHYSICS 11

Physics 11 is an elective course intended to introduce the scope, nature, relevance and limitations of physics in our society and culture. The content of the course is designed around several areas of study: Motion in One Dimension, Energy, Special Relativity, and Waves.

PHYSICS 12

Physics 12 concentrates on two basic areas of physics that are essential for studies in physical or applied science: mechanics and electromagnetism. Physics 12 introduces the vector concept and its application to two-dimensional situations in the study of motion, the equilibrium of forces and the concept of fields (gravitational, electrical and magnetic). A scientific calculator is required.

PHYSICAL GEOGRAPHY 12

The course consists of a study of physical, human and economic geography and the study of the significance of land forms. Weather, climate, soils, vegetation, industry, resources and resource management are also studied. Map skills, statistical interpretation, resource projects, and problem solving are also components of this course.

Environmental Sciences 12

This course replaces Sustainable Resources 12, and is available to grade 11 and 12 students (you may only take this course once). This is a very hands-on course however it does include book work, projects and written assignments. Students must be willing to get their hands dirty, be outside and participate in activities off the school grounds. The course content will include global water systems, global warming & climate change, global environmental changes, and land use and sustainability.

FOOD STUDIES 11/12

Food Studies 11/12 students will explore recipe development and modification, including ingredients, functions, proportions and preparation methods. As well, the students will delve deeper into Canada's Guide for Healthy Eating, including looking at the factors involved in the creation of national and regional food guides. Food Studies 11/12 is designed for students to develop and hone the skills necessary to "feed for themselves."

TEXTILES 11/12

Textiles 11/12 students will learn about the physical and chemical properties of fabrics, including technological developments. They will develop strategies for modifying patterns, repurposing textile items and create several projects from different textile areas such as felting, quilting, knitting, needlework and sewing. Textiles 11/12 is designed to allow students to explore textiles as a hobby or a potential career path.

WOODSHOP 11/12

The main objective of this course is to offer a combination of knowledge and "hands-on" skills that will prove valuable over a lifetime as well as opening doors to a variety of career options. The areas of focus will include a blending of safety, measurement, theory, tools and equipment, and materials and processes with an emphasis on the fabrication of wood related products, as well as sustainable/ green building. Students will apply the acquired skills in the design and construction of teacher/student selected projects. At the end of this course, students will safely use a variety of machines and tools specific to her/his project, accurately measure in both the Metric and Imperial measuring systems, sketch, plan, and draw a full set of project plans, calculate material costs using a Bill of Materials, identify a variety of wood species by looking at the wood's characteristics, gain self-confidence and experience working in an industrial setting.

MECHANICS 11/12 & AUTOMOTIVE TECH 11/12

This elective is for students who are looking to learn about cars. This course has a theory component that varies depending on level. The level 1 portion of the class focuses on preventative and routine maintenance. The students learn about the different systems in an automobile and how to diagnose and repair. The practical component to this class provides opportunity for students to work on their own vehicles.

METAL FABRICATION & MACHINING 11/12

This elective is for the student who wants to explore Metalworking and fabrication. Students will have a series of skill builder activities where they either create projects from a plan or use the design process to design and create a unique project. All students will learn how to create shop drawings and how to act safely in a shop setting and around machines. Students will also learn how to approach machines and safely use the lathe, milling machine, drill press, grinder, mig welder, arc welder, oxy acetylene welder, how to cast aluminum and work sheet metal.

NOTE:

**Safe work habits and appropriate behavior will be stressed and practiced at all times. The safe and proper use of all machines and tools is continuously taught and practiced. The danger of using any machine is a reality. Students will be provided with material for their mandatory project at no cost; however, students will be required to pay, in full, for material upgrade, project modification, and self-directed projects. Students that wish to complete the course at no cost will complete sponsored projects.

ART 11/12

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NEW MEDIA 11/12

New Media is a program of studies designed to reflect the changing role of technology in today's society and the increasing importance of digital media in communicating and exchanging ideas. Coursework is aimed at providing students with a set of skills vital for success in an increasingly digital world by affording opportunities to demonstrate understanding and communicate ideas through a variety of digital and print media. Possible areas of focus include: yearbook, newspaper, newscasts, blogging and podcasts. Students will utilize technology including: Photoshop, Publisher, web based design and publishing software, audio and video equipment and software. This course is intended to allow students and educators the flexibility to develop a program of study centered on student interests, needs and abilities.

LEADERSHIP 11/12

A new course which provides students with the opportunity to take a leadership role in the school and/or the community. Students work on personal development, volunteerism and personal reflection. During the course students will also identify a community or school need and will work in groups to plan an event(s) that will help fill that need. This course is an ideal opportunity to develop teamwork skills that are the cornerstone to success in the workplace.

COMPUTER PROGRAMING 11/12

Needs description

PHYSICAL EDUCATION 11/12

The P.E. 11 or 12 course is a continuation of the previous three years of physical education, plus the addition of four new dimensions: performance oriented, leisure oriented, active health, and personal development activities. The performance activities develop a high level of motor skills proficiency. Leisure activities provide opportunities for students to experience physical activities in their community - golf, bowling, skating, curling, racquetball and squash will be introduced. Active health provides for the students' social and emotional well-being and includes an active component of weight training. Personal development allows the student an

opportunity to understand and appreciate the nature of leadership, being a group member and the value of service to others.

STRENGTH & CONDITIONING 11/12

This course will allow students to develop an individualized fitness program based on their specific training needs. Students will develop strength and agility through a variety of methods including weight training. There will be a relevant fitness knowledge theory component to this course.

WORK EXPERIENCE 12A

Work Experience is an educational program, which provides a variety of work placements in business or industry that are designed to complement the student portfolio. School and community thus cooperate in order to facilitate the student's smooth transition from school to employment. Work Experience is available to students who: Are fifteen years of age or over; Have written parental permission; Are fully insured by the school board and Workers Compensation Board; Will be supervised and monitored by teachers as well as by the employer. The student, in discussion with the Counsellors and the Work Experience Coordinator, will consider career opportunities he/she would like to experience. An employer is contacted to see if they can provide up to 100 hours for the student. The student is then able to gain experience in controlled conditions in the labour force. Students will complete 20+ hours of classroom career skills/orientation as well as up to 100 hours of on the job training. WORK

EXPERIENCE 12B

Prerequisite: Work Experience 12A Students who have completed Work Experience 12A can experience a second career development opportunity through Work Experience 12B. Students may not repeat the same placement they had in Work Experience 11, unless they have a definite career goal in that area and that goal is identified in their Portfolio Focus Area selection.

FIRE SUPPRESSION 12

Designed by the Ministry of Forests Protection Division, this course is intended to identify and train Emergency Fire Fighters. Using an interview process, six students will be chosen from each of BCSS and GFSS. Candidates must pass a strength and endurance test and must have the necessary credits to graduate in June. 100 hours of training outside of regular school time will result in the top three students being offered summer jobs.

FIRE ACADEMY 12 CAREER TRANSITIONS PROGRAM

BCSS has developed a transitions program in partnership with the College of the Rockies in Cranbrook which provides entry level instruction and training specific to the field of Emergency Services-Structure Fire. The transitions agreement also involves a partnership with the Village of Midway and the Midway Volunteer Fire Department who provide the apparatus and practical training for the students. As in the Wildland program, equipment and training is provided at no cost to the student.