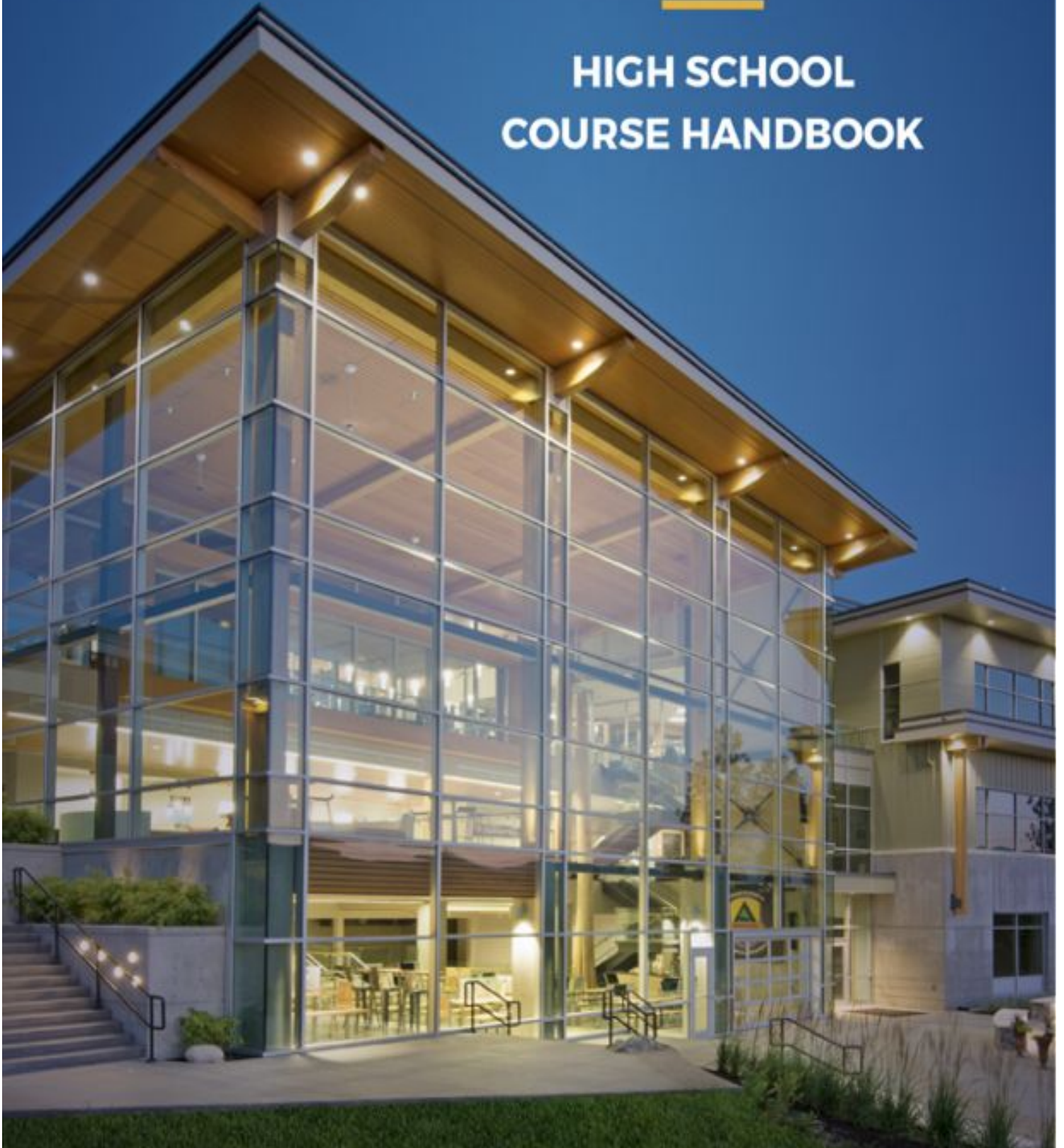




ABERDEEN HALL

Preparatory School

HIGH SCHOOL COURSE HANDBOOK



2020-2021 ACADEMIC YEAR


TABLE OF CONTENTS

Our Students' Philosophy	4
Rationale	5
Guidelines for Course Selection	6
Study Hall / Homework Club	6
Flex Program	7
External Courses Policy	9
Equivalency Policy	9
Challenge Policy	9
Resource Department	10
Academic Assistance Program	10
How to Request a Rewrite	11
Missed Tests	12
Extraordinary Circumstances	12
Grade 9 Program	13
BC Graduation Requirements	
Dogwood Diploma	14
Course Pathways	15
Typical Credits Obtained for Graduation & Admission to University	17
Faculty of Arts	17
Faculty of Business	17
Faculty of Science	18
Faculty of Engineering (Applied Science)	18

Course Descriptions	19
English	19
Mathematics	19
Social Studies Electives	20
Senior Sciences	22
Music	23
Fine Arts	25
Applied Design Skills & Technology	26
Finance	29
Other	29
AP Courses	30
Outside timetable	32
Appendix	34
Grade 11 Study Block Application Form	34
Grade 12 Extraordinary Study Block Application Form	36
Academic Strategies Request Form	38
Course Change Form	39
External Course Intent Form	40
Teacher’s Assistant Application	43
Flex Program Application	44

OUR STUDENTS' PHILOSOPHY

At Aberdeen Hall, we believe that having shared values and a common direction allows everyone to lead happy, productive and fulfilled school lives. During Positive Peer Week in 2017, we asked our students, "What qualities should an Aberdeen Hall graduate possess". After a series of meetings, they told us that ideal graduates should be responsible, resilient and should act with integrity. These shared beliefs form the cornerstone of our student social philosophy. In joining the Aberdeen Hall, students join a community that will ask them to:



Act Responsibly
Be Resilient
Have Integrity

Responsibility is: The ability to act independently in response to duty, and to be accountable for one's choices.

Responsibility looks like:

- Caring for yourself, and taking advantage of opportunities (support, extensions, extra-curricular, etc...) and to strive for excellence in all pursuits
- Maintaining a positive relationship with ourselves – healthy eating, sleeping and exercise habits, positive mindset, self-care strategies and a balanced lifestyle
- Caring for others in our school community – to encourage, support, and to challenge others in our school. Personal responsibility for keeping our physical environment the best it can be so that all members can enjoy it
- Being involved in the wider community of Kelowna and beyond – to consider how we can make a positive impact and take action to do so when possible

Resilience is: The ability to respond to and recover from challenges, difficulty and hardship.

Resilience looks like:

- Accepting positive challenges when they are presented
- Persevering through difficulty

- Adapting strategies to be successful
- Using supports and opportunities to your benefit
- Understanding that success, however it is defined by you, is a journey and not achieved at once
- Employing positive habits that help us overcome obstacles
- Learning from failure

Integrity is: The quality of being honest, having strong moral principles, and staying true to ones' self.

Integrity looks like:

- Acting in accordance to your values even when this is difficult
- Being honest and forthright
- Making positive choices for the right reasons – don't wait for external motivations



The challenge is for all students to exhibit and embody the values associated with integrity, resilience and responsibility in their school, in their community, and in their lives.

RATIONALE

It is our intention that students who graduate from Aberdeen Hall will have undertaken a journey that challenges and excites as well as prepares them for their future. Faculty support students through this journey as they are encouraged to meet academic challenges, investigate new interests, explore areas of passion and extend their range of experiences.

The Grade 6 to 8 Experience includes a breadth of programming designed to introduce students to a wide range of skills and curriculum areas. All students will participate in programming in the Fine Arts, Performing Arts, Digital Competencies and Citizenship, Engineering Design and Character Development. Explorations will be driven by inquiry and will allow for personalized growth with a goal of teaching the skills and knowledge necessary to be a leader in the 21st century: content knowledge; learning and innovation skills; information, media and technology skills; and life and career skills.

The Grade 9 to 12 Experience allows students to gain depth in their programming as they prepare for entry into post-secondary institutions. With a focus on the Sciences, courses offered to this cohort are rigorous and are intended to provide transferable skills that will support their success as they transition from high school. Courses are offered in a combination of linear and semester styles, which allow students to gain the different

benefits offered in both delivery styles. In order to offer our students the widest range of choice, some of our courses run on alternate years. These courses will be offered based on student interest.

GUIDELINES FOR COURSE SELECTION

1. When you select courses for your academic year, please consult the graduation requirements on Page 12 of this document.
2. Course offerings are subject to sufficient enrollment and maximum class sizes. Not all courses are offered every year. If a course is over-populated, the process for admittance to the course is as follows:
 - a. The most senior students are admitted first
 - b. The next round of students are admitted based on merit (previous marks may be taken into account)
 - c. The remaining seats (if any) are awarded in a lottery
3. After registration, all proposed course changes must be accompanied by a completed "Request to Add/Drop Course" and are subject to approval by Senior School Administration. Please note that the master schedule is built based on student requests from original registration; therefore not all change requests can be accommodated.
4. All documents pertaining to elective selection must be signed/approved by parents or guardians.
5. Grade 11 & 12 students must take a minimum of 7 courses per year, except in extraordinary circumstances (see Application for Study Block in Appendix A).
6. Some courses have prerequisite material. Admittance to these courses will be reserved for students who have successfully fulfilled the prerequisite coursework. In many cases, this entails earning a minimum of grade in the previous grade. In circumstances where students do not meet minimum standards, evidence of content mastery may be required in advance of being course enrolment. Examples of this include: summer school, completing additional work outside of class time, parent meetings with school admin, successful completion of an entrance exam, or retaking the prerequisite course.



STUDY HALL / HOMEWORK CLUB

Study Hall/Homework Club runs Monday to Thursday from 3:30 - 4:15pm daily. Study Hall provides a place and time for students to study, complete homework independently, to receive assistance with assigned work and support for academic classes. Students may also receive assistance in time management and maintaining effective organization systems. Attendance at Homework Club may be student or teacher initiated. Teachers may require attendance at Homework Club if a student has incomplete assignments. Grade 6-8 students may attend morning study halls from 8:20-8:40. Grade 9-12 Students may take advantage of morning tutorials/instruction. These sessions are available between 8:00am and 8:40 by appointment.

FLEX PROGRAM

Flex Program Application 2020-2021

We recognize that some students have aspirations to pursue high levels in arts and athletics. As such, we have designed the Flex Program for Grade 7-12 students. This program is intended to help students blend their high-performance passion with the academic rigours of Aberdeen Hall.



Students may enroll in the AH Flex Program if they are involved in a high level artistic or athletic pursuit. Typically, individuals in our Flex Program make a major commitment to ongoing training for competitions or shows. Our hope is that students involved in this program plan to compete at the international level, or aspire towards a professional career in their chosen field. Our faculty will work with Flex students to personalize their education. Please note: Although we recognize that students have a variety of interests and pursuits, not all pursuits are eligible for Flex.

To be eligible for the 2020-2021 Flex Program you must meet at **least 1** of the following criteria:

1. Your training requires you to miss 3 hours or more of class time per week between the hours of 8:50am - 3:10pm OR
2. You train at least 10 hours in **one** specific pursuit outside of school hours Monday through Friday OR

3. You miss 10 total school days for tournaments in your chosen pursuit

Students applying for this program should submit the online application below by **Friday, May 15, 2020**. At this time we will consider the program in question, to discuss options with the family.

If the athletic or artistic program is recognized and approved by the school, the following guidelines must be adhered to throughout the year to remain in the Flex Program:

- All schedules for practices, games or performances should be submitted to Ms. Jill Christensen as soon as they are available.
- Timetables for students in the Flex Program may be adapted to ensure that core academic courses are delivered. Students accepted into the program will be removed from one elective, which will be replaced by flex blocks.
- Students in the Flex Program must maintain a minimum B average (73% or higher).
- Students may be asked to adjust their non-academic pursuits to complete testing, or to prepare for exams or other high stakes assessments.
- In a case where classroom instruction has been missed, students may be asked to work independently, or to schedule tutorials before/after school with an appropriate teacher to learn missed course material. Students will be asked to utilize MySchool, Google Classroom, and e-mails to stay current with their class work.
- All students in the Flex Program will work with an assigned advisor. The advisor will help coordinate tutorials, assist with time management and will be the primary communication contact. It is essential for all Flex students to communicate openly with their advisor to ensure they stay current in their studies.
- Students in this program will receive a blend of tutoring, guidance and both direct and indirect supervision. To be successful in this program, students must have strong independent work habits, and strong levels of commitment.
- Grade 7 - 10 PE students must attend PE at least twice per two-week cycle and all assessments must be completed.

*Note: Students who have earned external Gr. 10-12 credentials or who are enrolled in an AH course outside of the regular academic timetable (including Golf Academy) do NOT need to apply for the Flex Program. Please see Mrs. Hill or Mrs. Christensen to discuss your timetable.

All Flex applications must be submitted prior to **Friday, May 15, 2020

As noted, to excel in the Flex Program students need to possess strong independent work habits. Our faculty will work with the student to personalize their education. In a case where classroom instruction has been missed, students may be asked to work independently, or to schedule tutorials with an appropriate teacher to learn missed course material. It is essential for all Flex students to communicate openly with their advisor to ensure they stay current in their studies. It is also important for all Flex students to utilize their MySchool portal and Google Classroom to manage their independent workloads when they are absent.

EXTERNAL COURSES POLICY

From time to time, students may wish to take a course that is external to Aberdeen Hall. Prior to enrolling in an external course, students complete the External Course Intent Form (see Appendix A) and submit it to Senior School Administration. All responsibilities associated with taking external courses will be assumed by the student.

Enrollment in external courses will not be exchanged for independent study blocks. Students who take course external to the school should not expect to have a study block either in its place or in order to complete the work in the course.

External courses will only be placed on student transcripts when the full course is completed and reported to Senior School Administration by the student. Courses that are in progress will not be placed on a student's transcript. Please note that external courses will not be counted towards awards calculations. If the course is available at Aberdeen Hall, it is preferred that students take the course at Aberdeen Hall. Earning prerequisite courses or courses that you plan on pursuing at a post-secondary level via distance learning is discouraged.

Students who earn prerequisite courses via external credit may be asked to demonstrate their proficiency in course content prior to being placed in the Aberdeen Hall class. This may involve an entrance test or exam.

EQUIVALENCY POLICY

The school requests official copies of all student records and transcripts (when available). School administration then does appropriate research to determine the content of listed courses. To award credit, the content must exceed 80% of the BC learning outcomes for a particular course. In some cases, students may be asked to complete assessments or exams in addition to determine their level of mastery. Credits awarded via equivalency are noted on the student's file. When awarding marks, students will receive the grade earned on the original document. In situations where the original grade is deemed inaccurate, Transfer Standing (TS) will be reported.



CHALLENGE POLICY

Students wishing to challenge a course must demonstrate evidence that they will be successful in fulfilling the prescribed learning outcomes for the course in question. Once this has taken place, school administration will review any documentation available to determine if credits can be awarded via equivalency. Students will be required to complete a final exam or alternative assessment based on the content for the course in question. In some circumstances, final exams may be designed by an Aberdeen Hall school instructor, or from a teacher in another school. An external teacher may be contracted to design and assess the student's challenge. Credits awarded via challenge are noted on the student's file.

Credits awarded via the Equivalency and Challenge process will be done in accordance to the Ministry Handbook of Procedures (pages 47 through 52).

RESOURCE DEPARTMENT

Our Resource Department has been designed to meet the needs of students who have School Based Learning Plans or Individual Education Plans. These students may receive in-class assistance from a designated teacher or assistant. Students may also utilize the Resource Room during scheduled tutorials.

ACADEMIC ASSISTANCE PROGRAM

It is our hope that all students experience academic success at Aberdeen Hall. However, should a student



exhibit difficulties in meeting their personal best due to lack of effort, academic dishonesty, or due diligence they may be placed on Academic Assistance. In these situations, parents will be contacted and together, we will determine a plan of action to assist the student in meeting their academic goals. Strategies employed for students on Academic Assistance may include:

- Specific locations to spend non-academic times
- Scheduling of after school tutorials or extra help sessions
- Use of the homework club
- Restricted participation in extracurricular teams or clubs
- Denied enrollment in special courses or programmes
- Enrollment in an Academic Strategies course
- Support from the Resource Department

ATTENDANCE

Students are expected to attend school on all academic days. All absences should be reported to the front office prior to 8:40 am. Parents wishing to take their child home during the school day must ensure that the homeroom advisor has been informed, and that the student has been properly signed out at the front office. Senior School students who wish to sign themselves out of school must provide evidence of parental permission to the front office (a note, email or phone call). Grade 12 students are permitted to self-sign themselves out of school after January of their Grade 12 year.

Planned absences should be discussed with homeroom teachers two weeks prior to the event. Please note: although teachers will make every effort to help students catch up for missed work during planned absences, we cannot guarantee that teachers will be able to provide work for students in advance.

Students wishing to receive tutorials for missed concepts are encouraged to attend regularly scheduled after school or morning tutorials.

Students who are absent during a school-based or provincially scheduled exam will be required to provide a doctor's note. In these situations, students may be asked to write the missed exam during the next appropriate exam sitting. Students who experience chronic absence may be required to provide a doctor's note. Please note: school field trips and experiential education adventures are considered part of the school curriculum. As such, attendance for these events is expected. Students who demonstrate excessive absenteeism will be required to meet with administration.

TEST REWRITE POLICY

Tests and exams play an important part in student assessment. Gauging student mastery of key concepts can be a delicate balance of teaching, review, and occasionally re-teaching course material. In some cases, retesting can be an effective way of motivating and improving student learning outcomes. This being said, our hope is to help students develop healthy study skills and learning strategies that will allow them to excel the first time they write an assessment. It is important to note that not all assessments are eligible for rewriting.

As such, teachers may allow students to rewrite tests if some/all of the following situations apply:

- The student's results are dramatically out of line with previous performances
- In a circumstance where the student may have missed key instruction due to excused absence.
- The student's IEP or Learning Plan indicates rewrites should be employed
- Upon student request.



How to Request a Rewrite

In order to qualify for a rewrite, students should complete the following steps in a timely fashion:

1. Attain a Rewrite Form from the Student Life office. Fill in the top portion of the form (name, course, date etc...)
2. Meet with your subject teacher to complete questions 1 and 2. During this meeting you will design a plan for learning missed concepts. This will include independent practice as well as a teacher facilitated tutorial prior to the test rewrite.
3. Drop by the Flex/Resource room during an allotted test time. Ask the coordinator to help you fill in questions 3 and 4. At this time you will schedule your rewrite.
4. Sign your completed form and have it signed by your subject teacher, and a parent/guardian.
5. Complete the steps indicated in your study plan.
6. Attend the scheduled rewrite as planned. Ensure you bring your rewrite form with you to the scheduled appointment.

It is our hope that these guidelines will help students feel supported in their efforts to succeed academically. We also believe that these protocols will encourage students to develop healthy study strategies that will be essential as they move through school.

It is important to note that test rewriting is not the answer to every disappointing grade. Rewrites will be denied in cases where students are found to be repeatedly relying on retests at the expense of preparing appropriately for the original assessment; or when students have developed a habit of preparing for retests in lieu of staying current with their daily classwork.

Missed Tests

In a situation where a student has missed a test due to excused absence, arrangements may be made individually with subject teachers. Missed tests may be written during designated rewrite block. In this situation, students should ensure that they have scheduled their test date with the Flex/Resource coordinators. Students may also sit missed tests under the supervision of their subject teacher.

Extraordinary Circumstances

Occasionally a student may request a retest due to extraordinary circumstances. In these situations, school administration will design an assessment strategy that meets the needs of the individual student. Students are encouraged to speak to their homeroom advisors if this situation applies to them.

Teachers will ensure that they have placed limits on the number of rewrites a student may take in a term (1 or 2 major tests per term, or 2-3 quizzes per term). After this, rewrite results may be averaged with the original test scores. Furthermore, test rewrites may differ from the original test in question design and format.

We believe that all students are capable of success, and that all students learn at a different pace. It is our hope that this policy will encourage students to strive to master course content, to try their best, and to work hard.

GRADE 9 PROGRAM

There are 50 class sessions in a typical two week cycle. All full-time students are enrolled in ten courses. Each day is divided into five 65 minute classes. In Grade 9, students have three elective classes that consist of music, art and technology (ADST) options.

Grade 9 students all have an assigned advisor. Advisory times take place every morning, afternoon, and during Block 2 each Monday. Attendance in these advisory blocks is mandatory.

Grade 9	
1	English
2	Math Math 9 or Math 10 (accelerated)
3	Science 9
4	Social Studies 9
5	Elective 1 Visual Arts(painting and drawing), Guitar, Commercial Music, Drama
6	Elective 2 Drama, Visual Arts (media arts), Percussion, or Strings
7	Elective 3: Applied Design Skills & Technology (ADST)- Electronics and Robotics, Media Design, or Business
8	Language Elective French or Spanish
9	PE
10	Advisory Wellness, career, interpersonal skills, mentoring

BC GRADUATION REQUIREMENTS DOGWOOD DIPLOMA

Required Courses: The B.C. Certificate of Graduation or "Dogwood Diploma" is awarded to students who successfully complete the provincial graduation requirements.

- Of the 80 credits needed for graduation, at least 16 credits must be at the Grade 12 level, including a Grade 12 Language Arts course. These Grade 12 credits may be for required courses or elective credits, and can come from Ministry-Developed, Ministry-Approved Language Template, BAA, External Credential, Post-Secondary Dual Credit or IDS courses. Career Life Education and Career Life Connections + Capstone Project cannot be used to help satisfy the requirement of at least 16 credits at the Grade 12 level.
- At least 28 credits must be elective course credits
- 52 credits are required from the following:
 - Two Career Education courses (8 credits total)
 - Physical and Health Education 10 (4 credits)
 - Science 10 (4 credits), and a Science 11 or 12 (4 credits)
 - Social Studies 10 (4 credits), and a Social Studies 11 or 12 (4 credits)
 - A Math 10 (4 credits), and a Math 11 or 12 (4 credits)
 - A Language Arts 10, 11 & 12 (12 credits total)
 - An Arts Education 10, 11, or 12 and/or an Applied Design, Skills, and Technologies 10, 11, or 12 (4 credits total)

In addition, students on the new Graduation Program must also complete two new graduation assessments aligned with the redesigned curriculum – one in literacy and one in numeracy:

- **Grade 10 Numeracy Assessment**
 - Students graduating in the 2018/2019 school year or later will be required to write this assessment prior to graduating. Typically this test is written in January of Grade 10. Students may rewrite this test twice if they desire to do so.
- **Grade 10 Literacy Assessment**
 - Students graduating in the 2021/2022 school year or later will be required to write this assessment prior to graduating. Typically this test is written in January of Grade 10. Students may rewrite this test twice if they desire to do so.
- **Graduation Literacy Assessment**

- The Graduation Literacy Assessment will be introduced in January 2020. It is expected that students graduating with the class of 2021 will be required to sit this new assessment prior to graduation.

- **English 12 Provincial Exam**

- This exam will no longer be required after 2019.

Please note: The required courses listed above are the minimum requirements to achieve the BC Dogwood Diploma. Elective programming must be chosen to ensure the requirements for university entrance are met.

Course Pathways

	Grade 10	Grade 11	Grade 12
English	Literary Studies	English 11: Literary Studies	English 12
	Creative Writing	English 11 Pre-AP Literary Studies	AP (Eng 12 + AP Lit)
	New Media Studies		
	ELL: Canadian Language and Culture 10	ELL: Canadian Language and Culture 11	ELL: Canadian Language and Culture 12
Mathematics	Foundations of Mathematics and Pre-calculus 10 (FMP10)	Pre-calculus 11	Pre-calculus 12
		Pre-calculus 11	Foundations 12
		Foundations 11	Foundations 12
		Pre-calculus 11 semester 1 Pre-calculus 12 semester 2	Calculus 12 AP Calculus
	Accelerated Pre-calculus 11	Pre-calculus 12	
Social Studies	Social Studies 10	History 12 , AP World History , Law 12 , Genocide Studies 12, Social Justice 12 , Economics 12 , Philosophy 12	

Science Recommended <i>take two Grade 11 sciences and two Grade 12 sciences.</i>	Science 10	Physics 11	Physics 12
		Physics 11 semester 1 Physics 12 semester 2	AP Physics
		Chemistry 11	Chemistry 12
		Life Sciences 11	Anatomy and Physiology 12
		Anatomy and Physiology 12	AP Biochemistry
		Life Sciences 11	AP Biology
		Anatomy and Physiology 12	
		Geology 12	
Language Recommended: One of French 11 or Spanish 11	French 11	French 12	AP French
	French 10	French 11	French 12
	Spanish 11	Spanish 12	
	Spanish 10	Spanish 11	Spanish 12
Physical Education	Physical Education 10	Physical Education 11 Active Living	Physical Education 12 Active Living
		Physical Education 11 Outdoor Education	Physical Education 12 Outdoor Education
	Morning PE 10 Outside Timetable	Health and Conditioning 11 Outside Timetable	Health and Conditioning 12 Outside Timetable
Grad Program	Cornerstones 10 (Planning 10/Career Life Education)	Cornerstones 11 (Career Life Connection)	Cornerstones 12 (Career Life Connections/Capstone)
Fine Arts	Instrumental Music 10 (Guitar, Strings, Percussion)	Instrumental Music 11(Guitar, Strings, Percussion)	Instrumental Music 12(Guitar, Strings, Percussion)
	Instrumental Music 10: Concert Band Outside Timetable	Instrumental Music 11: Concert Band Outside Timetable	Instrumental Music 12: Concert Band Outside Timetable
	Contemporary Music 10	Composition and Production 11	Composition and Production 12
	Art Studio 10	Art Studio 11	Art Studio 12/AP Art

	Photography 10 (Media Arts)	Photography 11 (Media Arts)	Photography 12 (Media Arts)
	Drama 10	Theatre Company 11	Theatre Company 12
	Musical Theatre 10	Musical Theatre 11	Musical Theatre 12
Applied Design, Skills and Technology (ADST)	Computer Programming 10 (Game Development)	Computer Programming 11 (AP Computer Science)	Computer Programming 12 (App Design)
	Electronics and Robotics 10 (Arduino)		
		Electronics and Robotics 11 (Arduino)	Computer Programming 11 (AP Computer Science)
	Media Design 10	Media Design 11	Media Design 12
	Business 10 (marketing)	Business 11 (Accounting)	

Typical Credits Obtained for Graduation & Admission to University

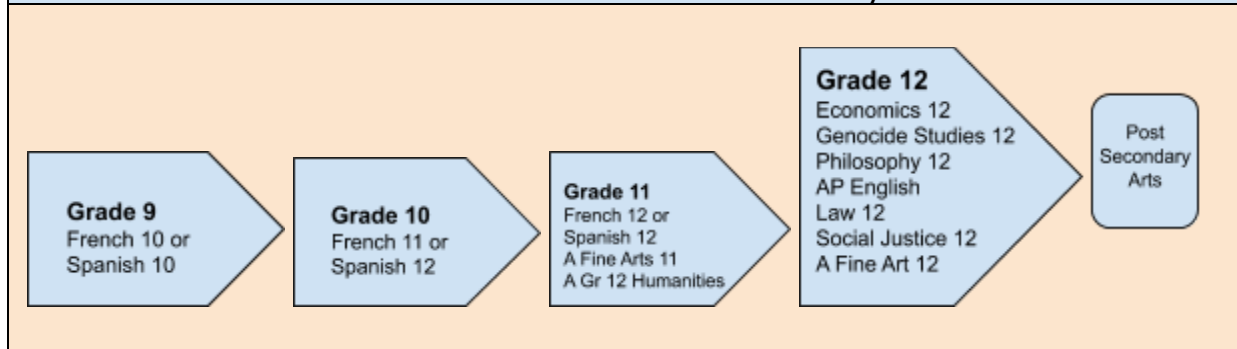
Below is an outline of typical credits earned year over year as students seek admission to these specific faculties. Are students are afforded the opportunity to accelerate certain courses, such as Modern Languages, Physics and Mathematics courses. Students who take advantage of these accelerated courses are able to adjust their timetables to focus on excellence in certain courses, take Advanced Placement (AP) courses, and to take more courses that are of interest to them. Aberdeen Hall offers AP courses in English, Physics, French and World History, with more to come next school year. Please note, university approved lists do change from year to year, and in response to BC's new Grade 10-12 curriculum.

Faculty of Arts

Grade 9	Grade 10	Grade 11	Grade 12
Second Language 10	English 10 Social Studies 10 Foundations of Math 10 Science 10	English 11 A Social Studies 12 Pre-calculus 11 A Science 11 Art or Applied Skill	English 12 (AP English Literature) Pre-calculus 12 A Science 12

Credits: 4	Second Language 11 Physical Education 10 CLE 10 Fine Art or ADST Elective Elective	Credits: 36	Second Language 12 PE 11 Elective Elective	Credits: 32	History 12 or AP World History or a suitable SS12 Academic Elective 12 Elective Elective	Credits: 28
-------------------	---	--------------------	---	--------------------	---	--------------------

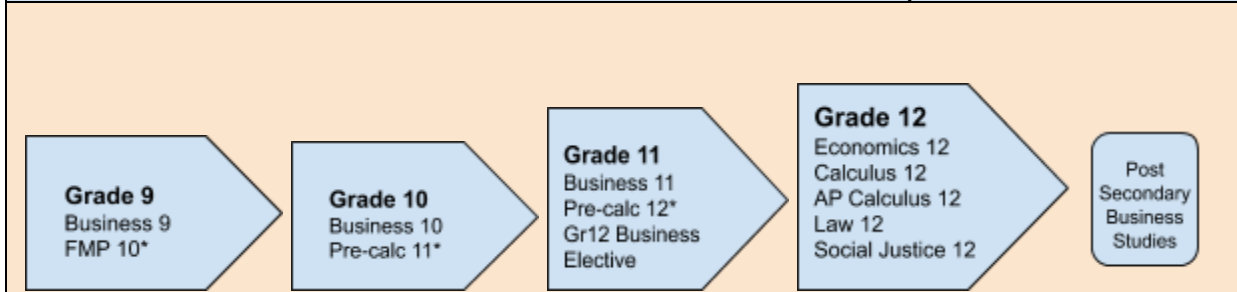
The Aberdeen Hall Arts Pathway



Faculty of Business

Grade 9	Grade 10	Grade 11	Grade 12
English 9 Social Studies 9 Science 9 Foundations of Math 10 Modern Language 10 Physical Education 9 ADST Elective Fine Arts Elective	English 10 Social Studies 10 Pre-calculus 11 Science 10 Modern Language 11 Physical Education 10 CLE 10 Fine Art or ADST Elective Elective	English 11 Social Studies 12 Pre-calculus 12 A Science 11 Fine Art or ADST elective PE 11 Elective Elective	English 12 (AP English Literature) Calculus 12 (AP) A Science 12 History 12 or AP World History or suitable SS12 Economics 12 Elective Elective CLC 12
Credits: 8	Credits: 36	Credits: 32	Credits: 28

The Aberdeen Hall Business Pathway





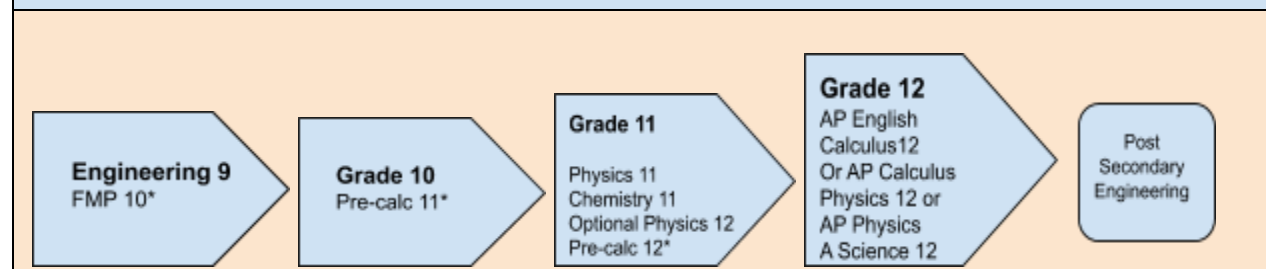
Faculty of Science

Grade 9	Grade 10	Grade 11	Grade 12
Second Language 10	English 10 Social Studies 10 Social Studies 11 Foundations of Math 10 Science 10 Second Language 11 Physical Education 10 Planning 10 Fine Art or ADST Elective Elective	English 11 Pre-calculus 11 Physics 11 Physics 12 Chemistry 11 Biology 12 Art or Applied Skill Elective Elective (Academic or PE)	English 12 Pre-calculus 12 Chemistry 12 Elective (Calculus) Elective (AP Physics) Elective Elective
Credits: 4	Credits: 40	Credits: 32	Credits: 28

Faculty of Engineering (Applied Science)

Grade 9	Grade 10	Grade 11	Grade 12
Second Language 10 Foundations of Math 10	English 10 Social Studies 10 Social Studies 11 Pre-calculus 11 Science 10 Second Language 11 Physical Education 10 Planning 10 Fine Art or ADST Elective Elective	English 11 Pre-calculus 12 Physics 11 Physics 12 Chemistry 11 Art or Applied Skill Elective Elective (Academic or PE) Elective	English 12 Chemistry 12 Calculus/AP Calculus Elective (AP Physics) Elective (Academic) Elective Elective
Credits: 8	Credits: 40	Credits: 32	Credits: 28

The Aberdeen Hall Engineering Pathway



* Students who are not eligible for FMP10 in Grade 9 can do both Pre-calc 11 and Pre-calc 12 in their Grade 11 year

COURSE DESCRIPTIONS

Please note: each year administration surveys high school students to determine interests and needs. The course offerings are designed to meet these desires. To offer a wide array of electives, some courses are scheduled in alternating years as indicated below. Should a course not receive sufficient student interest, it may be dropped from the calendar.

Some courses require prerequisite knowledge or coursework . In these cases it is recommended that students achieve a minimum grade of 73% (unless otherwise indicated) in the prerequisite course in order to enrol. Should students wish to proceed in a course without meeting the minimum standard, a meeting with school administration is required prior to the start of the school year.

English

Students are automatically enrolled in the Language Arts and English courses appropriate to their grade. Those students who wish to take Advanced Placement English credits may do so concurrently with their English 12 class. To qualify for AP English, students should have a minimum of 85% in Grade 11 English. The course description for AP English can be found in the AP course section of this document.

All Grade 9-12 ELL students are enrolled in Canadian Language and Culture course in addition to their English class. During the 2020-2021 school year this course will take place outside the timetable in order to allow students to experience a full complement of elective courses. Non-ELL Grade 10 and 11 students may also choose to take Composition 10 and 11 in addition to their English course. ELL students may be exempted from Composition courses if they demonstrate the required language skills. Students interested in this should discuss their options with administration.

Mathematics

Students at Aberdeen Hall may enrol in Foundations and Pre-calculus 10, Pre-calculus 11 and Pre-calculus 12 during their high school years. Those students wishing to study mathematics, science or commerce at the post secondary level are encouraged to complete Calculus 12 in addition.

Students who have specific learning needs, or who feel they will not excel in the Pre-calculus stream may be offered the opportunity to enrol in Foundations 11 or Foundations 12 math classes.

Please note that it is recommended that students will obtain 73% or higher in prerequisite courses in order to be admitted to courses such as Pre-calculus 12 and Calculus 12. In situations when this is not the case, students must meet with administration to discuss options prior to enrolling.

Foundations Math 11/12

Foundations Math is a Math course that is available to Grade 11 and 12 students. It is more project based than the pre-calculus math courses and focuses on more real-life applicable mathematics. It is a highly personalized course that changes from year to year, and has extra small class sizes. If you are interested in this course you should speak to Mr. Acree to discuss your post secondary plans and decide if this course is a good fit for you.

Pre-calculus 12 (Online)

This course intended for students who wish to get a head start on their math studies. Students wishing to enrich their mathematics schooling may opt to enrol in our online summer programme. Students who enrol in this class will receive instruction and resources via the Internet. In addition, students will be supported by weekly face-to-face tutorials on the school facility. These tutorials will run from the week of July 4th to August 8. Students who successfully complete this course will receive 4 credits. It is recommended that students wishing to complete Calculus 12 finish Precalculus 12 prior to September.

Calculus 12 (Every year)

This course covers approximately 80% of the AP Calculus curriculum, and is recommended for students intending to study mathematics, science or business at the post secondary level. Students in Calculus 12 will explore:

- Functions, Graphs, and Limits;
- The Derivative (Concept and Interpretations)
- The Derivative (Computing Derivatives)
- Applications of Derivatives(Derivatives and the Graph of the Function)
- Applications of Derivatives (Applied Problems)
- Antidifferentiation (Recovering Functions from their Derivatives)
- Antidifferentiation (Applications of Antidifferentiation).

Students wishing to enrol in this course must have earned a 73% or higher in Pre-calculus 12. Students wishing to take this course concurrently with Pre-calculus 12 must have teacher approval in advance.

Social Studies Electives

Philosophy 12 - Alternating years- this course will be offered in 2020-2021.

Philosophy 12 explores the methods of reasoning, and argument in philosophy. It examines theories of reality, and the ontological theories of being. Students in this course will also study epistemological theories about knowledge and truth; theories of justice and freedom as well as morality and ethics. There are no prerequisites for this course.

History 12 - Alternating years- this course will be offered in 2020-2021

History 12 examines the 20th century through the eyes of the historian. Units of study include (but are not limited to) The World of 1919, The Interwar Years, World War II, The Beginning of the Cold War, and The End of the Cold War. Students who enrol in this course will gain an understanding of the dramatic changes that took place between the end of World War I, and the beginning of the 21st century.

(HI 12)

Law 12 – Alternating years-This course will be available in 2020-2021

The curriculum of Law 12 enables students to become legally literate citizens who understand how laws are applied and reviewed. Law 12 fosters skills and attitudes that enhance students' abilities to address legal, social, and ethical issues, and reflect critically on the role of law in society. Content includes understanding fundamental legal principles such as equality, justice, and liberty. Students explore their legal rights and responsibilities, and will learn how law affects their careers, studies, and daily lives.

(LAW 12)

Economics 12 – Every Year

Economics 12 explores the effects of human choices on our society, the nation, and the global community. In Economics 12, students gain an understanding of the principles behind markets, interpersonal and international interaction, and various factors that governments consider when crafting public policy. Students planning to undertake post-secondary studies in business will find this a useful course to understanding how government, labour, and business interact, in preparation for introductory university-level economics. This course will be of interest for students interested in expanding their understanding of Canadian society, and global economic and social trends.

(EC 12)

Social Justice 12 – Alternating years- This course will be offered in 2021/2022)

The aim of Social Justice 12 is to raise students' awareness of social injustice, to enable them to analyse situations from a social justice perspective, and to provide them with knowledge, skills, and an ethical framework to advocate for a socially just world. The goals of Social Justice 12 are to acquire knowledge that allows students to recognize and understand the causes of injustice; to apply critical thinking and ethical reasoning skills to a variety of social justice issues; to develop an understanding of what it means to act in a socially just manner; to become responsible agents of change, making positive contributions toward a socially just world.

(SJ 12)

Genocide Studies 12 - Alternating years- this course will be offered in 2020/2021
Humanity has a history with too many examples of war, destruction, and victimization. On many occasions, this has extended to the intentional destruction of people and their culture. These evil acts are not inevitable, however, and attempts can be made to prevent genocide. This course defines the term, looks at examples of genocide, identifies similarities between examples, and lays a foundation for the prevention of violence and acts of genocide.

Genocide Studies / History 12- Alternating years- this course will be offered in 2021/2022

This course will be taught concurrently, with students declaring which credit they wish to earn. The course will employ a project based learning model, and students will utilize inquiry and case studies to learn content. Successful candidates will earn 4 credits in either Genocide Studies 12 or History 12.

Senior Sciences

Chemistry 11 - Every year

Chemistry is the science that deals with properties and reactions of materials. Students will learn to identify, characterize and recognize transformations in matter. Grade 11 Chemistry teaches students the skills, knowledge and attitudes required in order to pursue further study. Concepts covered include Atoms, Moles, Chemical Reactions, Atomic Theory, Solution Chemistry and Organic Chemistry. Students wishing to enrol in this course should have earned a minimum of 73% in Science 10.

(CH 11)

Chemistry 12 - Every year

This course is a continuation of Chemistry 11. Students will further their understanding of chemistry by exploring units in Kinetics; Equilibrium; Solubility; Acids, Bases and Salts; and Electrochemistry. It is recommended that students have earned a minimum 73% in Chemistry 11 in order to enrol in this course.

(CH 12)

Life Sciences 11 (Formally Biology 11) - Every year

The curriculum of Biology 11 fosters scientific literacy while exploring the diversity of life. During this "survey course," students will discover fundamental elements pertaining to the six Kingdoms of living things. Through project-based learning, collaborative discussions, and teacher-guided activities students will build an understanding of the three major themes for Biology 11: Unity and Diversity, Evolutionary Relationships, and Taxonomic Relationships. Students wishing to enrol in this course should have successfully completed Science 10.

Anatomy & Physiology 12 (Formally Biology 12) - Every year

This 4 credit course deals with human biology, allowing students to develop an understanding of how the human body functions and how the systems are integrated. Biology 12 is divided into 3 main sections: Cell Biology, Cell Processes and Applications, and Human Biology. Although Biology 11 is not a prerequisite for this course, students wishing to enrol in Biology 12 should have successfully completed Science courses at the Grade 11 level.
(BI 12)

Physics 11 (Semester & Linear as needed) - Every year

Physics is the science of how everything works on a fundamental level. In this course students will learn about kinematics, forces, momentum, energy, electric circuits and will spend a final unit covering one or more of the topics of waves, special relativity, and quantum physics. (PH 11)
Preference for the semestered course will be given to those who are on track to take AP Physics.

Physics 12 (linear and Semester 2) - Every year

This course builds on Physics 11, covering the topics of kinematics, forces, momentum, and energy in greater detail and in two dimensions. The calculations will often require the use of trigonometry to break vectors into components or of the sine and cosine laws. After that the topics of equilibrium, torque, circular motion, gravitation, electrostatics, and electromagnetism will be explored. It is recommended that students interested in taking Physics 12 have earned a minimum of 73% in Physics 11.
(PH 12)

Geology 12 – Alternating years- This course will be available during the 2020-2021 school year.

This 4 credit course is designed to teach students the structures and processes involved in the changing surface of the Earth. Students will explore physical properties and historical development of our planet. Course content will include Rocks and Minerals, Natural Resources, Tectonics, Geologic Time and Surface Processes.
(GEOL 12)

Music

Guitar- every year

Students will learn to play six string or bass guitar and have active input into song selection for performance materials. Emphasis will be placed on correct technique such as finger placement, picking and strumming, and good posture while holding the instrument. Musical literacy will be developed by learning to read two forms of notation.

Each student will be expected to participate in at least one public performance each year.

- Guitar 7/8 Level 1 & 2
- *Junior Guitar*
 - Grade 9 students earn credits for Music 9
 - Grade 10 students earn credits for Guitar 10 (MGR10)
- *Senior Guitar*
 - Grade 11 students earn credits for Instrumental Music 11 (IMG11)
 - Grade 12 students earn credits for Instrumental Music 12 (IMG12)

Percussion- every year

Students will be introduced to the fundamentals of percussion through a variety of drumming techniques and styles.

- Percussion 7 and 8

Junior Percussion

- Grade 9 students earn credits for Music 9
- Grade 10 students earn credits for Instrumental Music 10

Senior Strings

- Grade 11 students earn credits for Instrumental Music 11

Strings- every year

Students will learn to play violin or cello in a casual group as well as a formal sting orchestra setting. Repertoire will be selected in collaboration and the students will have an active role in song choices for rehearsals and concerts. Emphasis will be placed on correct left hand technique and knowledge, development tone production and bow hold as well as fingerboard knowledge and improvisation skills. Each student will be expected to participate in at least one public performance.

- Strings 7 and 8

Junior Strings

- Grade 9 students earn credits for Music 9
- Grade 10 students earn credits for Orchestral Strings

Senior Strings - this may be offered outside the timetable in 2020-2021

- Grade 11 students earn credits for Instrumental Music 11
- Grade 12 students earn credits for Instrumental Music 12

Commercial Music 9-every year

This course is aimed at teaching students the steps and approaches to writing and performing original music. Students will learn to compose and record their own music using digital recording tools including how to score a movie scene. Students will also learn about the potential commercial applications of music in the ever-changing world of

digital media and the basics of music licensing.

Contemporary Music 10- every year

Although Contemporary Music 10 will be a continuation from Commercial Music 9 there will not be any prerequisite for this course. Students will study contemporary music and learn to write, record, perform and produce music in various contemporary styles. Students will also develop a strong understanding of digital recording and notation software through hands-on practical use. Students will be expected to participate in at least one public performance.

Music Composition & Production 11/12- every year

Students will learn to compose, record and produce music of various genres. Developing a functional understanding of music theory and digital audio tools is a strong focus in this course. Students will also explore the evolution of harmonic practices from the Medieval to Modern eras, helping them to develop an extensive array of compositional tools. These tools will be used in projects where the students get to explore their creativity as well as learn to write music for practical applications. Live performance opportunities will also be provided to display original class works.

Fine Arts

Drama- every year

Students will learn and practice dramatic skills with voice projection, body language, group interaction, memory work, and concentration. They will learn to play and communicate, concentrate, cooperate and appreciate drama. This course will include a stage production.

- Drama 7
- Drama 8
- *Junior Drama (Grade 9 & 10)*
 - Grade 9 students earn credits for Drama 9
 - Grade 10 students earn credits for Drama 10
- *Senior Drama (Grade 11 & 12)*
 - Theatre Company 11
 - Theatre Company 12

Film and Television 12 -every year

Students will explore and create a variety of films. In particular, emphasis will be placed on learning how film can reflect identity and culture; how moving-image artists use technology in innovative and reflective ways; how aesthetic experiences provided by moving images can effect change in artists, audiences, and environments; how technology and emerging media can transform communication in a variety of ways; and how history, culture, and value systems can influence film and television productions.

Art Studio 10- every year

This is a course for students that want to expand their art making skills and then apply those skills creatively. There will be a balance between the foundation work of acquiring new skills/concepts and learning to express student's individual ideas and perspectives. Students will work through a variety of media including; drawing, painting, sculpture, pottery and printmaking. Students that have not had art previously are welcome but should be prepared to work hard. Sketchbooks will be used a great deal in this course.

Art Studio 11/12 -every year

This is a course for students that want to expand their art making skills and then apply those skills creatively. This course increases learning standards in the area of connecting and expanding through art exploration. There will be a balance between the foundation work of acquiring new skills/concepts and learning to express student's individual ideas and perspectives. Students will work through a variety of media including: drawing, painting, sculpture, and mixed media. Students will also learn how to analyze, understand, and evaluate a variety of artwork with emphasis on the content organizers for the visual arts.

Visual Arts -every year

Visual Arts teaches students to perceive, respond and create visual art in both two dimensions and three dimensions. Students will learn image and design strategies, visual elements and principles of Art, and to utilize different mediums and techniques.

- *Junior Visual Arts* (Grade 9 & 10)
 - Grade 9 students earn credits for Visual Arts 9
 - Grade 10 students earn credits for Visual Arts 10
- *Senior Visual Arts* (Grade 11 & 12)
 - Art Studio 11
 - Art Studio 12

Media Arts (also an Applied Skill for Grade 11/12)

Studio Arts courses will utilise the new Design Studio space and will provide students with the opportunity to explore new technology in an individualised program. These courses will be inquiry-based and will incorporate the principles of Design Thinking. Units of study may include 2D graphic design and publishing, 3D design and animation, Web publishing, digital photography, in addition to traditional visual art projects.

- Media Arts 9
- Visual Arts: Media Arts 11
- Visual Arts: Media Arts 12

Applied Design Skills & Technology

All students in Grades 6, 7 & 8 take a course in Applied Design Skills & Technology. Components of the course can be drawn from Computational Thinking/Robotics, Media Arts and Digital Literacy.

- ADST 6
- ADST 7
- ADST 8

Technology Education

Electronics and Robotics 9 -every year

Students will spend the first several months of the course learning basic C++ programming. They will move on to using their programming skills to program Arduino microcontrollers. They will learn about electrical components, Ohm's law, and how to design their own circuit. They will also spend some time learning about mechanical devices. The course is designed to give students exposure to programming, electronics, and microcontrollers and to give students an advantage in a difficult required course if they pursue engineering in university. They will build a robot with an ultrasonic sensor and be able to take it home at the end of the course.

Electronics and Robotics 10 -every year

In this course students will learn about Ohm's law, parallel and series circuits, electrical components, schematic diagrams, and how to design simple circuits using a breadboard. Almost everything the student's make will be controlled by an Arduino microcontroller, so C/C++ programming will be the other major focus of the course. The course is designed to give students exposure to programming, electronics, and microcontrollers and to give students an advantage in a difficult required course if they pursue engineering in university. They will build a robot with an ultrasonic sensor and be able to take it home at the end of the course. This course is particularly challenging and students will be expected to work and think hard during class.

Electronics and Robotics 11-every year

Arduino Robotics is similar to Electronics and Robotics 9 in that it also is a challenging course focused on teaching electronics, computer programming, and preparing students to take AP Computer Science. Students will spend half of the year learning the Java computer language to prepare them for AP Computer Science and the other half learning electronics, C++ programming, and their own robot using a breadboard and an Arduino microcontroller clone. At the end of the year, the students will be able to keep the robot they make during the course. There are no prerequisites for this course. Students who successfully complete this course earn credits in Robotics 11.

Information and Communications Technology

Computer Programming 10-every year

Computer Programming 10 is an introduction to Java where students learn essentials programming structures, methods, and introduced to Object Oriented Programming. At the end of the year, the students will make a variety of programs including a role playing game. Students who successfully complete this course earn credits in Computer Studies 10. There are no prerequisites for this course. Students who successfully complete this course are well prepared for AP Computer Science.

Computer Programming 11 (AP Computer Science)-every year

This is a year-long course equivalent to a first semester college course in computer science. Students will become fluent in Java and use the language to learn about fundamental topics in computer science. Topics covered include recursion, inheritance and polymorphism, arrays and ArrayLists, sorting and searching algorithms and efficiency. Students will be designing and creating programs without a template in this course. All students taking this course will be prepared for the AP Exam given in the spring of each school year. After the exam in May students will work on making robots with Arduino microcontrollers. The prerequisites for this course is 85% or higher in a Computer Programming or Electronics and Robotics course. Students who successfully complete this course earn AP high school equivalency credits, and may be eligible to earn credits towards a post secondary degree.

Computer Programming 12 (App Development)-every year

In this course students will learn to make games or apps of their own design using the libGDX framework and publish them to Android, iOS, and Desktop. They will also learn advanced topics in programming such as the Java Collections Framework, error handling, Big O notation, and some useful algorithms. The prerequisites for this course is AP Computer Science.

Media Design 9-every year

This is a survey course meant for students who have never taken design before but are interested in learning how to create and manipulate artwork and design layouts both by hand and on the computer. Students do NOT need to be good at drawing or computers as in-depth lessons in these areas will be provided. Some of the many projects students can expect to make are decals for their computers, 3D printed fobs and jewellery, multimedia collages, papercrafts, and album covers. Students who are able to work independently will be able to submit proposals that would allow them to explore their own projects and themes. Successful independent projects in the past have included logo design and apparel lines.

Media Design 10 (Production Graphics)-every year

Students who are interested in learning about graphic design, commercial art, and website design will find that opportunity in Production Graphics 10. As the name implies, we will be producing the products we make in the Design Studio. This course is for anyone who wants to work both by hand and on the computer to problem solve design

challenges.

Media Design 11 (Computer Aided Design and Manufacturing)-This course will be available in 2020-2021

While we will still brainstorm and prototype with pen and paper, in CAD/CAM, or computer based design and manufacturing, we learn to use the computer and professional digital applications to realize our designs. This course is primarily for those students who wish to learn how to model in 3D. People use 3D models for game design, special effects in movies, building houses and skyscrapers, making toys, etc. Though this is a rigorous course, it is also great for students wishing to hone strong problem solving and digital literacy skills.

Business Education

Business 9 -every year

Entrepreneurship and Marketing 9 is a great course for students to learn about the industries around them and how the actions of these companies affect our lives, cultures, and world. Students will take part in group case studies of popular brands, and learn to recognize the marketing strategies of their campaigns. Students who wish to pursue their own ventures will get practice in basic business setup and be will be able to design their own possible products and/or services.

Media Arts

Media Arts 10 (Photography)-every year

This course is an introduction to digital photography. Image manipulation, various open source photography programs, and other digital tools will be explored. Students will do work in photo composition; will study light, including natural light, flash, and studio lighting; and will work with various lenses and filters. Time will be devoted to photographing scenery, working in portraiture, and photographing still life. Time will be devoted to building a portfolio, and presenting images for display.

Finance

Business 10 – every year

Business 10 is a project based course that covers a wide variety of financial and entrepreneurial topics including, budgeting, banking, credit cards, investing, and taxes. The focus on learning through projects and simulations enables students to connect and apply concepts to their real lives. This establishes a strong foundational understanding of finances.

Economics 12 (see Social Science heading)

Other

Academic Strategies

This course focuses on learning strategies to help students become better, more independent learners. Students will learn how to develop and apply literacy and numeracy skills, personal management skills, and interpersonal and teamwork skills to improve their learning and achievement in school, the workplace, and the community. The course helps students build confidence and motivation to pursue opportunities for success in secondary school and beyond. Students wishing to enroll in this course must complete the Academic Strategies Application Form in Appendix A.

- Academic Strategies 10, 11, 12

Teacher's Assistant 11

Students who apply for this non credit course must receive the approval of a designated sponsor teacher. Students are then assigned to a class in a younger grade to assist with classroom instruction and facilitation. This course will require regular meetings with the sponsor teacher outside of regular class times for planning purposes. Enrolment in this course is limited, and students must excel in the subject area in which they are placed. Students must have a history of reliability, honesty and integrity, and will be required to complete a confidentiality agreement. This course is available to Grade 11 and 12 students. Please find the application form in Appendix A.

AP Courses

About the Advanced Placement Program (AP)

The Advanced Placement Program enables willing and academically prepared students to pursue college-level studies — with the opportunity to earn college credit, advanced placement, or both — while still in high school. Exams are given each year in May. Students who earn a qualifying score on an AP Exam are typically eligible to receive college credit and/or placement into advanced courses in college. Every aspect of AP course and exam development is the result of collaboration between AP teachers and college faculty. They work together to develop AP courses and exams, set scoring standards, and score the exams. College faculty review every AP teacher's course syllabus.

AP English Literature & Composition - Every year

An AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for the readers. As they read, students consider a work's

structure, style and themes, as well as much smaller-scale elements as the use of figurative language, imagery, symbolism and tone. This course can be taken concurrently with EN12. It is recommended that students interested in taking have a minimum of 85% in English 11.

AP Physics C- every year

The Physics C: Mechanics course is equivalent to a one-semester, calculus-based, college-level physics course. If you enjoy physics, challenging problems, and are interested in pursuing a career in the physical sciences or engineering, this is the course for you. This course does require the use of calculus so a calculus course should be taken at the same time as this course. The topics covered will be kinematics, dynamics, momentum, center of mass, rotational kinematics and dynamics, gravitation, and simple harmonic motion. . Students wishing to enrol in this course should be enrolled in Calculus 12, and should have completed Physics 12 with a minimum of 85%. (APPHM12)

AP French Language and Culture -This course will be offered again in 2020-2021

The AP French Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP French Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in French. The AP French Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions) (APFRL12)

AP World History- every year

The AP World History course focuses on developing students' understanding of world history from approximately 8000BCE to the present. The course has students investigate the content of world history for significant events, individuals, developments, and processes in six historical periods, and develop and use the same thinking skills and methods employed by historians and anthropologists when they study the past. The course provides five themes that students explore in order to make connections among historical developments in different times and places encompassing the five major geographical regions of the globe: Africa, the Americas, Asia, Europe, and Oceania. Students wishing to enrol in this course must have earned 85% or higher in Social Studies 11 or History 12. (APWH 12)

AP Computer Programming- every year

This is a year-long course equivalent to a first semester college course in computer science. AP Computer Science A is a second course in computer programming. Students must take either a intro to computer science course or a robotics course of grade 9 level or higher prior to taking this course. In this course we will cover the equivalent of a first year first semester course in computer science in the Java language. Students will review basic programming topics and then move on to the topics of classes and objects, inheritance, polymorphism, abstract classes, interfaces, arrays, lists, strings, common java classes, sorting, and searching. This course is designed to set up students for success in university computer science courses. The prerequisites for this course are 85% or higher in Computer Programming 11, Computer Science 10, Electronics and Robotics 10, or Arduino robotics 11.

AP Calculus AB- every year

AP Calculus AB is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. You'll learn how to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and how to make connections amongst these representations. You will learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. Prerequisites for this course are 85% or higher in Pre Calculus 12, or Calculus 12.

AP Biology - in 2019-2020, this credit must be earned via our Bio-Chemistry course.

AP Biology deals with a broad range of biological concepts including, but not limited to, Human Anatomy & Physiology, Evolution, Classical and Molecular Genetics, Cell Biology and Biochemistry. The course also offers an extensive lab component, and a research project at the completion of the board exam. This course is perfect for anyone with a passion for life sciences, and wants to pursue a career in a related field such as medicine, nursing, research or biotechnology. Students who successfully pass the AP exam may earn first year university credits that can be used towards their post secondary degree. Prerequisites for this course include 85% or higher in Chemistry and Biology at the Grade 11 or 12 level.

AP Bio-Chemistry 12- 2019-2020

Students in this university preparatory course will earn credits in AP Biology and Chemistry 12. The teacher will employ a combination of lectures, labs and seminars to teach core content, and to prepare students for the post secondary experience. Special focus will be placed on exploring chemistry through a biological science lens.

AP Studio Art - every year

The AP Studio Art portfolio is designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year. AP Studio Art students work with diverse media, styles, subjects, and content. Students' work is informed and guided by observation, research, experimentation, discussion, critical analysis, and reflection, relating individual practices to the art world. The AP Studio Art Program supports students in becoming inventive artistic scholars who contribute to visual culture through art making. Students who successfully score high may earn first year university credits that can be used towards their post secondary degree.

AP Music Theory- This course will be offered again in 2020-2021

In AP Music Theory students will develop the essential skills and understanding required to be successful in post-secondary music studies. A strong emphasis will be placed on developing aural skills as well as written music theory knowledge. Live performance and music composition opportunities will be provided. This course will be challenging and Music Composition 12 or equivalent RCM credits are a prerequisite.

Outside timetable

Athletic Development 9-12- 2020-2021

This course provides additional training for athletes competing in Aberdeen Hall team sports. Students receive PE credit for their appropriate grade while dedicating themselves to training for their chosen school sport. Classes will take place from 7:30-8:30 Monday to Thursday mornings.

Senior Guitar

This course will be taught from 8:20-8:45 three times a week. In addition, students will be required to log a minimum of 2 hours of practice each week.

Senior Strings

This course will be taught from 3:30-4:15 three times a week. In addition, students will be required to log a minimum of 1 hour of practice each week.

Media Arts 11/12 (Yearbook)

This course will take place outside school hours; punctuality and attendance is a must. Students must be prepared to work independently outside of that time frame to "cover" school functions and to take photos. The yearbook is a reflection of our school and of a year in the lives of more than six hundred students and staff. You will learn about graphic design elements and principles, creative layout design, journalism, and photography techniques. We create our yearbook digitally online using eDesign. Students will be expected to complete many assignments outside of class time on computers online.

APPENDIX

Grade 11 Study Block Application Form

Parents and students - please ensure that you read through this application thoroughly and sign in the appropriate place.

Name:

It is important for students to remember that the purpose of attending high school is to obtain a **well-rounded** education while meeting the necessary graduation requirements. Furthermore, it is our expectations that all students graduate with the prerequisite courses necessary for post-secondary admission. We encourage students to take advantage of the many courses Aberdeen Hall provides. It is essential that all appropriate Graduation requirements are met.

This being said, some students in Grade 11 may be granted a Study Block in their schedule. This will be entertained only if all of the following criteria are met:

1. A student has a minimum of 8 courses in Grade 11 (including Career-Life Connections).
2. A student is currently enrolled in 3 of the courses on the following page.
3. A student is in good academic standing in previous and current courses.
4. A student has signed parental support.
5. A student has exemplary attendance and does not present any discipline concerns.
6. A student has received approval from the administration.
7. A student has demonstrated strong independent work habits, and can utilize study time efficiently and responsibly.

Why do you require an **Independent Study Block**?

What strategies do you plan to employ to effectively use your **Independent Study Block**?

Expectations for a granted Study Block:

1. Students will work quietly in their assigned space, and will not leave the school campus during their study block unless provided with written permission.
2. Students are to use this time for review of work, preparing for tests or for completing assignments.
3. Students not abiding by the above may lose the right to an Independent Study Block.

Grade 11's **currently** taking three courses from the list below may apply for a Study Block. Enrolment in external courses may not be used to qualify students for extraordinary study blocks.

English 11
Chem11, Life Sci 11, Physics 11
Any Core Academic Gr 12 Course
Any AP Course

2 of

Students who have been granted a Study Block who then withdraw from a qualifying course will be subject to a course review by the Director of University Guidance and/or other Administration. Students may be asked to enrol in an alternate course at that time.

Students who do not qualify for a study block until the second semester may enrol in Academic Strategies for the first semester, which may be exchanged for a study block in second semester.

If you wish to take a Study Block, please circle the courses above that you are enrolled in and initial here _____, indicating your desire.

I understand the above expectations and agree to abide by them.

Student Signature

Parent Signature

_____ **Approved**

_____ **Not Approved**

Date: _____

Grade 12 Extraordinary Study Block Application Form

Parents and students - please ensure that you read through this application thoroughly and sign in the appropriate place.

Name:

It is important for students to remember that the purpose of attending high school is to obtain a **well-rounded** education while meeting the necessary graduation requirements. Furthermore, it is our expectation that all students graduate with the prerequisite courses necessary for post-secondary admission. We encourage students to take advantage of the many courses Aberdeen Hall provides. It is essential that all appropriate Graduation requirements are met.

All Grade 12 students may take one Study Block. This being said, some students in Grade 12 may be granted an Extraordinary Study Block in their schedule. This will be entertained only if all of the following criteria are met:

1. A student has a minimum of 7 courses (including Current Life Connections) in Grade 12
2. A student is currently enrolled in 5 of the courses on the following page.
3. A student is in good academic standing in previous and current courses.
4. A student has signed parental support.
5. A student has exemplary attendance and does not present any discipline concerns.
6. A student has received approval from the Administration.
7. A student has demonstrated strong independent work habits, and can utilize study time efficiently and responsibly.

Why do you require an **Independent Study Block**?

What strategies do you plan to employ to effectively use your **Independent Study Block**?

Expectations for a granted Study Block:

4. Students will work quietly in their assigned space, and will not leave the school campus during their study block unless provided with written permission.
5. Students are to use this time for review of work, preparing for tests or for completing assignments.
6. Students not abiding by the above may lose the right to an Independent Study Block.

Students **currently** taking five courses from the list below may apply for a second Study Block. Enrolment in external courses may not be used to qualify students for extraordinary study blocks.

AP English	AP Computer Science	
Geology 12	History 12	AP
World History	AP Biology	
AP French	AP Physics	
AP Art	AP Calculus	
English 12	Economics 12	
French 12	Law 12	
Spanish 12	Pre-calculus 12	
Anatomy and Physiology 12	Calculus 12	
Chemistry 12	Physics 12	
Philosophy 12	Economics 12	
Social Justice 12	PE 12/Fine Arts 12/App Skills 12	

Students who have been granted an Extraordinary Study Block who then withdraw from a qualifying course will be subject to a course review by the Director of University Guidance and/or other Administration. Students may be asked to enrol in an alternate course at that time.

Students who do not qualify for an Extraordinary Study Block until the second semester may enrol in Academic Strategies for the first semester, which may be exchanged for a study block in second semester.

If you wish to take an Extraordinary Study Block, please circle the courses above that you are enrolled in and initial here _____, indicating your desire.

I understand the above expectations and agree to abide by them.

Student Signature

Parent Signature

Approved

Not Approved

Date: _____

Academic Strategies Request Form

Name: _____

Grade: _____

This course focuses on learning strategies to help students become better, more independent learners. Students will learn how to develop and apply literacy and numeracy skills, personal management skills, and interpersonal and teamwork skills to improve their learning and achievement in school, the workplace, and the community. The course helps students build confidence and motivation to pursue opportunities for success in secondary school and beyond. All students must take a minimum of 7 courses.

In addition to applying the strategies learned in this course to their own studies, students will be expected to share their knowledge with other students. This could include presentations, projects, mentoring, or other means as directed by the instructor.

During assigned Academic Strategies blocks, it is expected that students will:

- a. Report to assigned room promptly at the start of class
- b. Sign in with supervisor and begin work immediately
- c. Remain in assigned room for the duration of the block
- d. Work diligently on daily goals as identified by instructor and student

Reason for requesting enrollment in Academic Strategies:

During what elective block are you planning on taking Academic Strategies? ie. Elective 1, 2, etc.

I understand the above expectations and agree to abide by them.

<hr/> Signature	<hr/> Parent Signature	Student
<hr/> Approved	<hr/> Not Approved	Date: _____

Course Change Form

Parents and students - please ensure that you fill in this form appropriately and sign in the indicated place. All students must take a minimum of 7 courses.

Name: _____

Please indicate the course(s) that you wish to change. If you are withdrawing from a course, include the reason for your withdrawal and how you will use the time previously allotted to a course.

Withdrawal Request

Course to be withdrawn from: _____

Reason for withdrawal: _____

Plan for effective use of time: _____

Initial

I certify that after withdrawal, I am still taking a minimum of 7 courses (Grade 11) or 6 courses (Grade 12) and I have discussed this change with the Director of University Guidance

Elective Change Request

Previously chosen elective(s): _____

Requested elective(s): _____

Comment from Academic Advisor (Please have your advisor complete before your parents sign)

Student Signature

Parent Signature

Administrator's Approval

Instructor's Approval

Date: _____

External Course Intent Form

Name: _____

Enrollment in external courses may not be exchanged for independent study blocks. Students who take course external to the school should not expect to have a study block either in its place or in order to complete the work in the course.

External courses will only be placed on student transcripts when the full course is completed and reported to Senior School Administration by the student. Courses that are in progress will not be placed on a student's transcript. Please note that external courses will not be counted towards awards calculations.

If the course is available at Aberdeen Hall, it is preferred that the student take the course at Aberdeen Hall. Earning prerequisite courses or courses that you plan on pursuing at a post-secondary level via distance learning is discouraged.

Name of external course I plan to take: _____

Name of external school that administers the course: _____

Expected start date of course: _____

Expected completion date of course: _____

Initial your understanding of the following:

Initial

External schools often do NOT forward marks to Aberdeen Hall at the end of the course. In order to ensure that your permanent record is updated with external results, you must bring your final report from the external school to the Senior School Administration.

Initial

I understand that for many students in most subject areas, external courses completed independently are not as conducive to learning as those taken at Aberdeen Hall during the regular school year.

Student Signature

Parent Signature

Date: _____

Administrator's Initial: _____

Teacher's Assistant Program

Prerequisite(s): Students must have teacher permission and recommendation and, in most cases, have already successfully completed the course in which they will be assisting. Students must be mature, responsible, be respectful of others, be able to communicate and interact well with others and have an interest in working with others of varying academic strengths and weaknesses. Students will also be required to submit an application to the program, and will be expected to adhere to the professional behaviour guidelines outlined in this document.

Course Synopsis: This is a participatory course that prepares and motivates students to provide leadership and assistance to individuals with a variety of needs. Students will work under the supervision of a classroom teacher to provide assistance to individuals and/or small groups in a variety of learning activities. They will develop social responsibility while acquiring and developing skills in communication, responsibility, decision making, learning styles, interpersonal relations, leadership and teamwork. They will apply these skills in roles such as tutoring and mentoring. Student Teacher Assistants will learn the value and complexity while acquiring an appreciation of the importance of life-long learning and helping others.

Organizational Structure: The majority of this course involves student teacher assistants working directly with other students under the supervision of a classroom teacher. It is an experiential course with a variety of implementation formats possible dependent upon the needs of the school and the learning environment.

Guidelines for the Program:

1. Students in Grade 11 or 12 may apply
2. Students may apply they use an existing study block as a Teacher's Assistant class. In this case, class time may be counted towards a student's volunteer hours.
3. Grade 11 students who do not have a study block may apply for the program. Applicants must be enrolled in the courses required for successful graduation, and have the approval of a university guidance counsellor, and their parents.
4. Grade 12 students who do not have an extraordinary study block may apply for the program. Applicants must be enrolled in the courses required for successful graduation, and have the approval of a university guidance counsellor, and their parents.

5. Students who wish to enroll in the program must be enrolled in a minimum of 6 face to face courses.
6. Teacher assistants must attend all scheduled classes in a punctual and reliable manner. During class time, assistants must serve as positive role models for the school. As such, their dress, decorum and interactions with students must reflect school policies, guidelines and philosophy.
7. Teacher's assistants must treat all student results, actions and behaviours in strict confidence. Assistants must agree to respect the privacy of all students in the classes in which they participate.
8. Students who successfully complete this program will be recognized with a certificate of completion, and will be recognized formally.
9. Students who fail to comply with these guidelines will lose their privilege to participate in the program and will be enrolled in another academic course.

Teacher's Assistant Application

To be filled in by the applicant

Student's name: _____

Briefly describe your reasons for applying for the teacher's assistant course.

What qualities or skills do you possess that make you a good candidate to serve as a teacher's assistant.

Who has agreed to serve as your teacher sponsor, and what course(s) will you be assisting in?

Potential sponsor teacher's signature: _____

Student signature: _____

Administrator's signature: _____



ABERDEEN HALL

PREPARATORY SCHOOL

Aberdeen Hall Preparatory School is:

CARING

Striving

Courageous

JOYFUL

Curious

INSPIRING

Great Things are Happening Here.