

# The Berkeley Institute



## Course Descriptions

2018 - 2019

# Contents :

<b>Department .....</b>	<b>Page</b>
Arts: Music .....	3-6
Arts: Theatre .....	7-8
Arts : Dance .....	9-10
Arts: Visual Arts .....	11-12
Business .....	13-15
Computer Science .....	16-18
Design and Technology .....	19-20
English Language Arts .....	21-23
Family Studies .....	24-25
Foreign Languages .....	26-30
Health Education .....	31
Mathematics .....	32-34
Physical Education .....	35
Science .....	36-40
Social Studies .....	41-44
Career Education .....	45
Student Services (Guidance) .....	46

## INFORMATION

**Course Title:** The name of the course and the year level that it is offered.

**Course Code: Important!** The code is used to enter your requests/choices into the computer.

**Prerequisite:** This is a course that you **should have passed** in order to take another course at a higher level. Please read a course's prerequisite **very carefully**. Some courses require specific marks or percentages to be obtained in a previous course before you are allowed to select them.

**Course Type:**

**Required** - these are courses you must take in order to graduate.

**Required/Elective** - these courses can be used as required courses or elective courses also required for graduation.

**Elective** - these are courses that you can choose as credits towards a career plan or for interest only.

**Credits:** This is the value of the course. Credits go towards graduation. Courses are worth 1.5, 1, or 0.5 credits and relate to the number of hours (length) spent taking the course. Courses worth 0.5 credits are semester courses (half year) and courses worth 1.5 and 1 credit are year-long courses.

**It is important to make sure that your credit value (CV) adds up to 7.**

## ARTS: MUSIC (MU)

**COURSE TITLE: Music In Society**

**PREREQUISITE:** None

**CREDITS:** 1

**COURSE CODE: MOE 1390MUS**

**COURSE TYPE:** Elective

This course is designed to give students an opportunity to explore the various music avenues they might consider as options in the future. With that in mind, the course will offer elementary theory, piano keyboard and music appreciation.

**COURSE TITLE: Concert Band I**

**PREREQUISITE:** Permission from Instructor

**CREDITS:** 1

**COURSE CODE: MOE1441BAN**

**COURSE TYPE:** Elective

This course is designed for instrumental music students who have played a brass, wind or percussion instrument for minimum of one year. This is designed to bridge the gap between instrumentalists coming up from middle school and those already playing at a high school level. Beginner students will be admitted only with permission of the band director. Students will study pieces of different styles and genres in this ensemble. Students must be prepared to rehearse before and after school and perform in the school and/or local community.

**COURSE TITLE: Concert Band II**

**PREREQUISITE:** Concert Band I

**CREDITS:** 1

**COURSE CODE: MOE2712BAN**

**COURSE TYPE:** Elective

This course is designed for brass, wind and percussion players who have reached a proficiency level of at least grade 3 (ABRSM) or the equivalent. This includes complete knowledge of basic fingerings on his/her instrument and the ability to read music. Students will study a variety of styles and genres in this ensemble. Students must be prepared to rehearse before and after school and perform in the school and/or local community

**COURSE TITLE: Concert Band III**

**PREREQUISITE:** Concert Band II

**CREDITS:** 1

**COURSE CODE: MOE3623BAN**

**COURSE TYPE:** Elective

This course is designed for brass, wind and percussion players who have reached a proficiency level of at least grade 4 (ABRSM) or the equivalent. This includes complete knowledge of basic fingerings on his/her instrument and the ability to read music. Students will study a variety of styles and genres in this ensemble. Students must be prepared to rehearse before and after school and perform in the school and/or local community

**COURSE TITLE: Concert Band IV**

**PREREQUISITE:** Concert Band III

**CREDITS:** 1

**COURSE CODE: MOE4504BAN**

**COURSE TYPE:** Elective

This course is designed for brass, wind and percussion players who have reached a proficiency level of at least grade 3 (ABRSM) or the equivalent. This includes complete knowledge of basic fingerings on his/her instrument and the ability to read music. Students will study a variety of styles and genres in this ensemble. Students must be prepared to rehearse before and after school and perform in the school and/or local community

## Arts: MUSIC (MU)

**COURSE TITLE: Choir I**

**PREREQUISITE: None**

**CREDITS: 1**

**COURSE CODE: MOE1471CHR**

**COURSE TYPE: Elective**

The purpose of this course is to expose students to a wide and varied range of vocal compositions. The ensemble will focus on a variety of music throughout the year with an emphasis on accessible music for the purpose of training voices. Various languages, styles, and themes will be presented through entry level secondary school music. Skills such as sight, singing and reading music notation will be laid as a foundation for the courses that follow this one. Students will be required to perform at school concerns and in the local community.

**COURSE TITLE: Choir II**

**PREREQUISITE: Choir I or permission of director**

**COURSE CODE: MOE2722CHR**

**COURSE TYPE: Elective**

This course is to be an extension of choir I. Students will study at the next level of voice production, diction, tone quality, intonation and music theory will play a vital role in the study of proficiency, repertoire and music performance. Emphasis will be on music to teach the nuances of more intricate harmonies. Students will be singing four and five part harmonies. Students enrolled in this course must be willing to perform in both the school and local community.

**COURSE TITLE: Choir III**

**PREREQUISITE: Choir II or permission of director**

**COURSE CODE: MOE3583CHR**

**COURSE TYPE: Elective**

This course is a continuation of Choir II and is designed to take the vocal student to a more advanced level of proficiency. Voice production, diction, tone quality, intonation, and music theory will be studied in detail and according to each student's range. Student will be studying/preparing repertoire at the internationally recognized Associated Board of the Royal School of Music (ABRSM) grade 4/5 level. Students will be taking a more active role in this course by making informed decisions on solo pieces and stylistic interpretation. Students enrolled in this course are required to perform in both the school and local community.

**COURSE TITLE: Choir IV**

**PREREQUISITE: Choir III**

**COURSE CODE: MU4564CHR**

**COURSE TYPE: Elective**

This course is a continuation of Choir III and is designed to take the vocal student to the most advanced level of proficiency. Students will be performing in smaller ensembles such as trios and quartets. Voice production, diction, tone quality, intonation, and music theory will be studied in detail and according to each student's range. Student will be studying/preparing repertoire at the internationally recognized Associated Board of the Royal School of Music (ABRSM) grade 4/5 level. Students will be taking a more active role in this course by making informed decisions on solo pieces and stylistic interpretation. Students enrolled in this course are required to perform in both the school and local community.

**COURSE TITLE: String Ensemble I**

**PREREQUISITE: Permission from Instructor**

**CREDITS: 1**

**COURSE CODE: MOE1431STR**

**COURSE TYPE: Elective**

This course is designed for the student who plays or has played previously, the violin, viola, cello, or bass. Students must have a minimum of one year playing experience or private lessons. Knowledge of instrument parts, basic technique and note reading are required. This is a course to improve the playing level to meet the standard for high school proficiency. In this ensemble, students will study a variety of styles, forms, and genres. Students must be prepared to rehearse before and after school and perform in school and /or local community.

## Arts: MUSIC (MU)

### **COURSE TITLE: String Ensemble II**

**PREREQUISITE:** String Ensemble I

**CREDITS:** 1

**COURSE CODE: MOE2702STR**

**COURSE TYPE:** Elective

This course is designed for students who have played a traditional string instrument for at least 2 years. Participants will study the instrument of their choice, learn more advanced technique, note reading, and play music from a variety of musical periods. Students will be required to rent a school instrument (unless they already own one) in order to practice daily at home. Students will be required to perform in the school setting as well as in the local community.

### **COURSE TITLE: String Ensemble III**

**PREREQUISITE:** String Ensemble II

**CREDITS:** 1

**COURSE CODE: MOE3573STR**

**COURSE TYPE:** Elective

This course is designed for instrumental music students who understand basic requirements. Participants in this course will study a variety of musical forms characteristic of the periods, theme and variation, suite, prelude, fugue, etc. Students must be prepared to rehearse before and after school and perform in the school and/or local community.

### **COURSE TITLE: Music Technology**

**PREREQUISITE:** Music in Society

**CREDITS 0.5**

**COURSE CODE: MOE2510MUT**

**COURSE TYPE:** Elective

This course will afford students a hands-on approach to the study of music theory through the use of computer technology, including computer software and synthesizers (keyboards). Students will learn the use and care of the equipment, melody writing and choral structure. Hard disc recording will expose students to digital editing, creating tracks, and mixing. Students will also analyze the writing styles of composers as they learn to use computer technology creatively.

### **COURSE TITLE: Music Theory & Composition**

**PREREQUISITE:** Instrumental or Vocal Music Experience

**CREDITS:** 1

**COURSE CODE: MOE1460MTC**

**COURSE TYPE:** Elective

This course is designed for students with a background in note reading, music theory, and instrumental or vocal music. Focus will be on note reading in several clefs, scales, symbols, triads, composition and rules of composition, and harmonic analysis. Students should either be currently playing an instrument, have vocal experience, and/or be prepared for intensive theory and ear training. This is a foundational music class and will prepare the student to continue on to GCSE Music as well as sit an international external exam as a requirement of the course.

### **COURSE TITLE: Keyboard I**

**PREREQUISITE:** Music in Society

**CREDITS: 0.5**

**COURSE CODE: MOE2731KEY**

**COURSE TYPE:** Elective

This course is for both beginners and those wishing to renew their acquaintance with the piano. Emphasis is on fundamentals: reading music, posture, hand position, fingering rhythm, chord structure and progressions, improvisation, and performance. Students will develop an awareness, understanding, and appreciation for the basic elements of music through piano playing. This course is a foundation for further study of the piano and its literature.

## Arts: MUSIC (MU)

**COURSE TITLE: Instrumental/Vocal Independent Study**

**PREREQUISITE:** Music in Society S1 and recommendation of music instructor.

**CREDITS: 1**

**COURSE CODE:MOE2500IST**

**COURSE TYPE: Elective**

This course is designed for the student with a high degree of proficiency and a desire for an in-depth study of instrumental or vocal music. Instrumental students will work on proficiency with scales, sight reading, and other fundamental skills. In the area of repertoire students will study period works, stylistic interpretation and musical forms. Vocal students will concentrate on arpeggios, scales, sight reading as well as study stylistic interpretation and period works. This course will culminate in an instrumental or vocal performance demonstrating etiquette and presentation.

**COURSE TITLE: GCSE MUSIC 1**

**PREREQUISITE:** Music Theory & Composition or Permission of the Instructor

**CREDITS: 1**

**COURSE CODE: EDX 1251MUS**

**COURSE TYPE: Elective**

This course is designed to take the student music to the next level in harmonic analysis, composing for instrumental and vocal groups, and performance on the student's main instrument. The course is two full years and also include in depth analysis of preset musical works and several periods in musical history. Home practice and extra ensemble time is required.

**COURSE TITLE: GCSE MUSIC II**

**PREREQUISITE:** GCSE Music 1or Permission of the Instructor

**CREDITS: 1**

**COURSE CODE: EDX 2252MUS**

**COURSE TYPE: Elective**

This course is designed to take the student music to the next level in harmonic analysis, composing for instrumental and vocal groups, and performance on the student's main instrument. The course is two full years and also include in depth analysis of preset musical works and several periods in musical history. Home practice and extra ensemble time is required.

**COURSE TITLE: Advanced Placement (AP) Music Theory**

**PREREQUISITE: None**

**CREDITS: 1.5**

**COURSE CODE:**

**COURSE TYPE: Elective**

Students in AP Music will be introduced to the elements of music theory and composition, and will learn how these elements are used in music. The emphasis will be on rules of theory and composition, ear training, sight singing, analysis, and keyboard skills. The course is designed both for students who desire to prepare for music as a career as well as those who desire it for personal enrichment. While the main emphasis is placed on music of the Common Practice Period (1600-1750), music of other stylistic periods will also be studied. Students will be prepared for, and encouraged to take the AP Music Theory Exam in May.

## Arts: THEATRE (TH)

**COURSE TITLE: Theatre in Society**

**PREREQUISITE:** None

**CREDITS:** 0.5

**COURSE CODE:** MOE1420THR

**COURSE TYPE:** Required/Elective

Theatre in Society provides a focus for the basic introduction and development of fundamental skills in self-awareness, self-discipline, concentration, voice and body warm-ups. Improvisation, vocal training, play construction, performance critiques and reviews (oral and written), etiquette, stage and body movement, basic mime techniques and introduction to technical theatre and performance will also be studied. This course will also focus on global theatre with a Bermudian emphasis.

**COURSE TITLE: Acting I**

**PREREQUISITE:** Theatre in Society

**COURSE CODE:** MOE3451ACT

**COURSE TYPE:** Elective

In this course the budding actor will learn the basic elements of drama such as stage terminology, acting styles and techniques, stage blocking, voice and diction and the speech mechanism. Also students will learn the relevance of theatre history so that they will better appreciate outstanding plays and playwrights. Students will write critiques, after viewing local performances, and local theatre personalities will be introduced. Much of this course will be spent developing characterization and learning how to improvise. The class will culminate with the student's participation in a dramatic scene, monologue or mime. Independent work, as well as group work, displaying basic knowledge of acting techniques will be emphasized.

**COURSE TITLE: Acting II**

**PREREQUISITE:** Acting I

**COURSE CODE:** MOE

**COURSE TYPE:** Elective

This course is for the advanced theatre student and emphasizes performance. Students will review voice and diction, character analysis and write critiques. Improvisation, mask and mime will include script writing around social issues and notable performers such as Chaplin and Mareau. Students will also be expected to do in depth work on monologues and dramatic scenes. An (optional) independent study involving theatre history, puppetry and dance theatre, with a written research component, makes this course outstanding.

**COURSE TITLE: Technical Theatre**

**PREREQUISITE:** Theatre in Society

**CREDITS:** 1

**COURSE CODE:** MOE2620THE

**COURSE TYPE:** Elective

Students in this course will study, in depth, various aspects of technical theatre such as lighting design, set design and props, costume and make up, as well as audio and visual technology. Students will learn to care and maintain lighting equipment, design and plot basic lighting, read and draw a basic floor design. Also theatre history, with an emphasis on costume and makeup, will be included in this course. Emphasis will be placed on concentration and discipline, using practical theatre techniques, thus preparing the students for problem solving in the theatre.

**COURSE TITLE: Play Directing**

**PREREQUISITE:** Technical Theatre

**CREDITS:** 0.5

**COURSE CODE:** MOE3400DIR

**COURSE TYPE:** Elective

This is an advanced course for the theatre student and can only be taken after the student has taken the S1 Theatre in Society course as well as courses in Communication and Acting I and II. Focus will be placed on the elements of directing so that the student will be prepared to direct a short scene for the stage. Students will be expected to prepare a director's script and learn to mark it appropriately. The importance of casting, auditions, rehearsals, theatre business and technical production will be emphasized. Also students must be prepared to work with others and display leadership skills vital to a director. Each student will direct a short scene for analysis.

## Arts: THEATRE (TH)

**COURSE TITLE: Scriptwriting**

**PREREQUISITE:** Theatre & Society & Technical Theatre

**CREDITS: 0.5**

**COURSE CODE: MOE3390SCR**

**COURSE TYPE: Elective**

Imagination and creativity will be called into play in this course as students delve into the basics of creative writing for the theatre. Students will be expected to read various plays and analyze them. They will explore their talents by using the basic idea of storytelling, through improvisation, to create and write dramatic scenes. Students will learn interpretative communication, the structure of the play and the importance of rewriting and editing their own script. Characters will be analyzed with varying parameters of condition, place and time. The goal is to enhance the ability of the students to think through situations, creatively, and write to a logical conclusion.

**COURSE TITLE: Play Production**

**PREREQUISITE:** GCSE Theatre or Scriptwriting

**CREDITS: 0.5**

**COURSE CODE: MOE4270PLY**

**COURSE TYPE: Elective**

This is a course for the advanced student of theatre. In this course the student will learn to produce a one-act play. In the first part of the course the student will review the duties of the production team. Then, assisted by the teacher, the student will choose an appropriate script, cast the play, choose a director and an appropriate production staff, design, and adhere, to a rehearsal schedule. Finally, the student will present the one act play for presentation to the school and/or the local community.

**COURSE TITLE: GCSE DRAMA 1**

**Pre-Requisite:** None

**CREDITS: 1**

**COURSE CODE: EDX1231LIT**

**COURSE TYPE: Elective**

This is a two year program which begins in Senior 1. Once students have passed Theater in Society, they can opt to take the GCSE program. At the end of Senior 3 students will sit the GCSE drama paper. Students who are keenly interested in Drama can continue in this area by taking Play Production and Scriptwriting in their Senior 4 year.

**COURSE TITLE: GCSE DRAMA II**

**Pre-Requisite:** GCSE Drama 1

**CREDITS: 1**

**COURSE CODE: EDX2232LIT**

**COURSE TYPE: Elective**

This is a two year program which begins in Senior 1. Once students have passed Theater in Society, they can opt to take the GCSE program. At the end of Senior 3 students will sit the GCSE drama paper. Students who are keenly interested in Drama can continue in this area by taking Play Production and Scriptwriting in their Senior 4 year.



## Arts: DANCE (DN)

**COURSE TITLE: Dance in Society**

**PREREQUISITE:** None

**CREDITS:** 0.5

**COURSE CODE: MOE1410DNC**

**COURSE TYPE:** Elective

Dance in Society provides a basic understanding of the values and effects of movement in everyday life. Experiences are based on principles and techniques of most dance forms, including Modern Dance, Jazz Dance, Tap Dance, Multicultural Social Dances and others. This course will provide insight into dance history, anatomy, choreography and production in a safe and healthy environment. Applications of information technology, library information, career planning and communication skills will also be infused in this course.

**COURSE TITLE: Ballet, Modern, Tap and Jazz I (BMTJ I)**

**PREREQUISITE:** Dance in Society

**CREDITS:** 0.5

**COURSE CODE: MOE2571BMT**

**COURSE TYPE:** Elective

BMTJ I (Ballet, Modern, Tap and Jazz) is a course designed to introduce newcomers to dance to these performance techniques. The fundamentals of these techniques will be studied, so that the student is familiar with the style, vocabulary and disciplines involved. Students will also be introduced to the history, culture and traditions of these forms. The classes will be highly structured and methodical in nature.

Assessment will be based upon the student's individual growth, participation, and testing of acquired knowledge and understanding of these forms and their histories. Appropriate footwear and dancewear are required.

**COURSE TITLE: Ballet, Modern, Tap and Jazz II (BMTJ II)**

**PREREQUISITE:** BMTJ I

**CREDITS:** 0.5

**COURSE CODE: MOE3372BMT**

**COURSE TYPE:** Elective

In BMTJ II, students will build upon the skills gained in the first section of the course. A greater emphasis will be placed on technique, choreography and performance skills. Students will complete projects in each form and also participate in school performances.

Assessment will be based upon the student's individual growth, participation, and testing of acquired knowledge and understanding of these forms and their histories. Appropriate footwear and dancewear are required.

**COURSE TITLE: Dance Production**

**PREREQUISITE:** Three dance/performing arts courses or permission of the instructor

**CREDITS:** 0.5

**COURSE CODE: MOE4320PRD**

**COURSE TYPE:** Elective

This course will feature the application of accumulated knowledge by the fusion of all production elements, costumes, sets, lighting, choreographic intentions, into a total presentable theatrical form. Classroom activities will relate to the actual experience of dance production. Students will assist with school dance and or other productions, and develop individual own projects.

Assessment will be based on participation, successful completion of class projects, testing of acquired knowledge as well as the communicated understanding of the subject. Students will be required to *fulfill* extra-curricular hours for this class. To register, students must have successfully completed at least three other dance/performing arts courses, or obtain permission from the instructor.

**PREREQUISITE: Dance in Society**

**CREDITS:** 0.5

**COURSE TYPE:** Elective

The development of basic dance skills, for successful participation in the various divisions of cultural and recreational dance will be featured in this course. Students will study the dance and music of European, African, Asian and other cultures as well as the history of these forms.

## Arts: DANCE (DN)

**COURSE TITLE: Dance Company**

**Prerequisite:** Two dance courses

**CREDITS:** 0.5

**COURSE CODE: DN3470DCO**

**COURSE TYPE:** Elective

This “course” is designed to operate as an actual dance company. Students will be required to develop dances, as well as perform for the school and local community. Various dance forms will be explored, and students will be challenged in rigorous sessions of dance techniques. This course requires a commitment to extracurricular time.

**COURSE TITLE: IGCSE Dance I**

**Prerequisite:** None

**CREDITS:** 1

**COURSE CODE: EDX1241DNC**

**COURSE TYPE:** Elective

This course helps students develop technical and expressive skills as well as knowledge and understanding of dance through performance, choreography and critical appreciation of dance.

This course enables students to increase their confidence and self-esteem, employ the skills of problem solving and creativity, makes knowledgeable decisions about dances.

Assessment will be based upon the student’s individual growth, participating and testing of acquired knowledge and understanding of dance performance, choreography and critical application.

**COURSE TITLE: IGCSE Dance II**

**Prerequisite:** None

**CREDITS:** 1

**COURSE CODE: EDX2242DNC**

**COURSE TYPE:** Elective

This course helps students develop technical and expressive skills as well as knowledge and understanding of dance through performance, choreography and critical appreciation of dance. Students will build upon the skills gained in the first section of the course. A greater emphasis will be placed on technique, choreography and performance skills.

Assessment will be based upon the student’s individual growth, participating and testing of acquired knowledge and understanding of dance performance, choreography and critical application.

## Arts: VISUAL ARTS (VR)

**COURSE TITLE: Visual Art in Society**

**PREREQUISITE:** None

**CREDITS:** 0.5

**COURSE CODE:** MOE1400VRT

**COURSE TYPE:** Elective

This course is designed to enhance students' knowledge of art in society on a local and global level. Both two and three-dimensional art will be explored through site visits, discussion of visual art history, aesthetics, studio work, and exhibition.

**COURSE TITLE: Three (3) dimensional Visual Arts**

**PREREQUISITE:** Visual Art in Society S1 or equivalent with portfolio

**CREDITS:** 0.5

**COURSE CODE:** MOE2560DVR

**COURSE TYPE:** Elective

The purpose of this course is to create original works of art based on the principles and elements of design that relate to three dimensional (3D) arts. The production of exploratory drawings and paintings relating to the final pieces will be required. An understanding of traditional and contemporary 3D art genre and their relationship to the culture in which they are found (e.g. Bermudian architecture) is essential to this course, as is research into the career possibilities in this field.

**COURSE TITLE: Drawing, Painting and Printed Works**

**PREREQUISITE:** Visual Art in Society S1

**CREDITS:** 0.5

**COURSE CODE:** MOE2540PRT

**COURSE TYPE:** Elective

The purpose of this course is to create original and individual works of art that show technical and compositional proficiency in drawing, painting and printed works. Portfolio content should include, but not be limited to, an understanding of the function of line and mass, colour use, emotionalism, local symbolism, cultural expressiveness and spatial treatments. Studio related themes should include, but not be limited to, the natural environment, anatomical drawings, and critiques. Evidence of research related to careers in 2D art as well as the computer generated print media should be shown.

**COURSE TITLE: Ceramic**

**PREREQUISITE:** Any level 200 Visual Art Course or an approved portfolio

**CREDITS:** 0.5

**COURSE CODE:** MOE33350CER

**COURSE TYPE:** Elective

This course will include but not be limited to the composition and treatment of clay products; qualities of art in different forms and styles of clay products; the recognition of properties, limitations and possibilities of clay construction, through hand building techniques; use of clay bodies, glazes, tools and techniques in producing clay products, and investigation of decorating techniques; development of skills with ceramic tools; examination of qualities of finished products made by professionals, study of vocabulary relating to ceramics and pottery and defense of aesthetic judgments about works of art produced in clay.

**COURSE TITLE: Drawing and Painting**

**PREREQUISITE:** Photography

**CREDITS:** 0.5

**COURSE CODE:** MOE3360DRW

**COURSE TYPE:** Elective

The purpose of this course is to produce evidence of advanced skill in design composition, printmaking techniques and media. The content should include, but not be limited to, the functions of drawings and paintings in society, including such areas as theatre design; the production of drawings and paintings with selected composition subject matter, expressive quality or expressive content; knowledge about the history of drawings and paintings and their relationship to other processes and periods; problem solving and planning for personal expression and exploration of art career possibilities. Students in good standing in this course could, with permission, work on lighting for the theatre.

## Arts: VISUAL ARTS (VR)

**COURSE TITLE: GCSE Art & Design 1**  
**PREREQUISITE: None**  
**CREDITS: 1**

**COURSE CODE: AQA1121ART**  
**COURSE TYPE: Elective**

This is the first year of a two-year programme in which students will refine their skills in drawing, printmaking, painting and sculpture. They will create a course work portfolio valued at 60% of the GCSE course grade (including a developmental sketch book) of original and individual works of art showing evidence of research/investigation, exploration of a variety of art materials, methods and processes, demonstrating the development of knowledge, communication of ideas, skills and understanding of the subject content. The 10 hour examination (spread over two five-hour periods) is valued at 40% of the grade.

Students will work with an INTEGRATED approach to the critical, practical and theoretical study of art, craft and design, taking their concepts/ideas/themes through from drawing to painting, through to printmaking and sculpture. Students are expected to complete 4 finished units of portfolio work (with supporting media experimentation pages) for assessment. This work must be accompanied by sketch book research, investigation, journal entries and annotations.

Students will be expected to demonstrate knowledge and understanding of how ideas, feelings and meanings are communicated in images and artifacts through the chosen fine art choices – Painting, Printmaking, Drawing, Sculpture, etc. A range of art craft and design processes in two and/or three dimensions related to the chosen area(s) of fine art, including where appropriate, the use of communication technology (ICT) or digital photography should be evident. Students will learn how images and artifacts relevant to their chosen area(s) of study relate to their social, historical and cultural context.

**COURSE TITLE: GCSE Art & Design 1I**  
**PREREQUISITE: GCSE Art & Design 1**  
**CREDITS: 1**

**COURSE CODE: AQA2122ART**  
**COURSE TYPE: Elective**

This course is the second year of a two-year programme in which students will complete the AQA Art & Design GCSE examination at the end of the academic year.

**COURSE TITLE: Photography**  
**PREREQUISITE: Journalism**  
**CREDITS: 1**

**COURSE CODE: MOE2550PHO**  
**COURSE TYPE: Elective**

This is a basic course in photography designed to offer experiences with a point-and-shoot camera. Various camera settings will be learned to offer greater creative and technical control. This course builds the foundation for visual literacy regarding both form and content of photographic images. The elements and principles of design as they relate to photographic composition are emphasized. Students learn framing within the viewfinder and explore various compositional principles. Students also learn to examine images critically through weekly critiques. Digital processing techniques are introduced using Adobe Photoshop. Successful completion provides a foundation for further study in advanced photography courses. This class is open to sophomores and juniors and requires three to four hours of homework each week. Students will also be charged with completing the school's yearbook for that academic year.

## **Business Studies (BS)**

**COURSE TITLE: GCSE BUSINESS & ECONOMICS 1**

**PREREQUISITE: None**

**Credits: 1**

**COURSE CODE: AQA1091ECO**

**COURSE TYPE: REQUIRED**

Provides an understanding of the commercial world and how finance is raised and used by the government to pay for the nation's goods and services. It encourages students to consider the practical application of business and economic concepts. Explores the theories and concepts in the context of events in the business and economic world and provides progression for students wishing to continue their studies to advance levels or colleges and universities.

**COURSE TITLE: Business Essentials I**

**PREREQUISITE: None**

**CREDITS: 1**

**COURSE CODE: MOE1341BES**

**COURSE TYPE: Required**

This course is designed to expand students' understanding of what is involved in business enterprise in Bermuda. Students will appreciate the interrelationship between all business courses. This course will provide students with the foundation necessary to proceed to the next level of study in a comprehensive business programme. Student will develop the appreciation, knowledge, skills and abilities necessary to prepare them to work in a global marketplace.

**COURSE TITLE: GCSE BUSINESS & ECONOMICS 11**

**PREREQUISITE: GCSE Business & Economics 1**

**CREDITS: 1**

**COURSE CODE: AQA2092ECO**

**COURSE TYPE: Required**

This course investigates how businesses are set up, financed, organized and controlled, how people are employed, managed and importantly how employees are paid. We also learn how goods are developed, produced and sold, how goods and services are priced, and how local, national and international governments and organizations help or hinder business. The New GCSE Business and Economics full course is now offered as a new specification. It follows a tri-modular structure. Units 2 and 3 are completed in the second year.

**COURSE TITLE: Business Essentials II**

**PREREQUISITE: Business Essentials I**

**CREDITS: 0.5**

**COURSE CODE: MOE2392BES**

**COURSE TYPE: Elective**

This course is designed to further enhance the skills and knowledge gained in Business Essentials I. The course is intended to reinforce those lifelong skills necessary for the world of work by providing the students with business fundamentals, business practices, communication, thinking and technological skills. Students will develop career awareness and its related skills; the ability to market their assets; use technology as it relates to personal business decision making; communicate effectively as writers, listeners and speakers in social and business settings.

**COURSE TITLE: Accounting I**

**PREREQUISITE: Business Essentials I**

**CREDITS: 0.5**

**COURSE CODE: MOE2381ACC**

**COURSE TYPE: Elective**

This course provides an introduction to the basic concepts and principles of accounting, as well as the terms and phrases commonly used. The accounting cycle for a sole proprietorship including recording and posting of transactions, worksheet with adjustments, financial statements and closing entries will be learned.

# Business Studies (BS)

**COURSE TITLE: Economics****PREREQUISITE:** Business Essentials II**CREDITS: 0.5****COURSE CODE: MOE3430ECO****COURSE TYPE: Elective**

This is a foundation course that introduces students to basic economic concepts. The course emphasizes the importance of being a conscientious consumer and the need to use resources wisely. Topics include scarcity and choice; supply and demand; factors of production; and types of production and the Bermudian economy. Special care will be taken to relate economic theory to everyday life, especially within the Bermudian context.

**COURSE TITLE: Marketing****PREREQUISITE:** Business Essentials II**CREDITS: 0.5****COURSE CODE: BS3530MKT****COURSE TYPE: Elective**

This course introduces students to the basic principles of marketing. Topics to be covered include the definition of marketing; the stages in the development of marketing; the role and importance of marketing in Bermuda; target marketing and the four Ps of the marketing mix. These concepts will come alive for students as they incorporate these marketing skills in various business initiatives around the school.

**COURSE TITLE: Accounting II****PREREQUISITE:** Accounting I**CREDITS: 0.5****COURSE CODE: MOE3192ACC****COURSE TYPE: Elective**

This course is a continuation of Accounting I, including the accounting cycle for a partnership and an introduction to automated accounting. A manual and electronic business simulation will be completed.

**COURSE TITLE: Business and Personal Law****PREREQUISITE:** Successful completion of two (2) business courses**CREDITS: 0.5****COURSE CODE: MOE3200LAW****COURSE TYPE: Elective**

This course is designed to encourage students to be more aware of their responsibilities as good citizens. It looks at crime, torts and the court system. It encourages students to be more aware of consumer issues, as they discuss sample cases. Students will examine how to enter into general and employment contracts, wills and pensions. Students will acquire knowledge about various negotiable instruments and strategies for effectively using their purchasing power. Business law focuses on teaching students how to start a small business, how to apply skills in resolving disputes and work with the law.

**COURSE TITLE: Travel and Tourism****PREREQUISITE:** Successful completion of two (2) business courses**CREDITS: 0.5****COURSE CODE: MOE3220TAT****COURSE TYPE: Elective**

This is a one-semester course which provides an introduction to the travel and tourism industry. Students are given an overview of the various components of the industry, history of the industry, an introduction to marketing and the various, exciting careers available in travel and tourism. Students will engage in case studies and the course will place emphasis on developing the skills students will need in order to succeed in the area of travel and tourism.

## Business Studies (BS)

**COURSE TITLE: Small Business Management**

**PREREQUISITE:** Successful completion of 3 business courses.

**CREDITS: 0.5**

This course will help students to recognize the opportunities, needs, wants and problems associated with running a business. They will use various forms of technology to local resources to implement innovative ideas for new business enterprises in Bermuda. They will have the opportunity to enhance entrepreneurial skills developed in earlier business courses. (E.g. business plans, numeracy skills, communication skills and decision-making skills.) Students will be encouraged to link those competences with new skills in order to respond with increased confidence to challenges they will meet in the course and in the world market.

**COURSE CODE: MOE4150MGT**

**COURSE TYPE: Elective**

**COURSE TITLE: Insurance**

**PREREQUISITE:** Successful completion of 3 business courses.

**CREDITS: 0.5**

This course is designed to give students a good understanding of what is involved in insurance and the insurance industry in Bermuda. They will appreciate the impact that insurance has on our society. It is intended that this course will provide students with a foundation in insurance. Through investigative work, students will develop the appreciation, knowledge and basic skills necessary to use insurance in everyday life.

**Course CODE: MOE4130INS**

**COURSE TYPE: Elective**

**COURSE TITLE: International Business**

**PREREQUISITE:** Successful completion of 3 business courses

**CREDITS: 0.5**

This course is designed to enable students to examine and understand the functioning and importance of international business to Bermuda. Topics to be covered include characteristics of international exempted companies, reasons for international trade, benefits of international business and the balance of payments.

**COURSE CODE: MOE4140INB**

**COURSE TYPE: Elective**

**Course Title: GCSE Law 1**

**Prerequisite: None**

**Credits: 1**

In this course students will examine how the English legal system works including the role of solicitors, barristers and the courts of law. Students will also look at law in action, studying tort, criminal and family law, alongside learning about an individual's rights and responsibilities. The course has two exams at the end of the year.

**Course Code: AQA2741LAW**

**Course Type: Elective**

**Course Title: GCSE Law 1I**

**Prerequisite: GCSE LAW 1**

**Credits: 1**

This course will also develop skills of selection, analysis, critical thinking and decision making. It encourages an awareness of the rights and responsibilities of individuals and provides a broad knowledge base for students wanting to study law. It also equips students with the skills and knowledge for other fields of study and work.

**Course Code: AQA3672LAW**

**Course Type: Elective**

**COURSE TITLE: Virtual Enterprise International**

**PREREQUISITE:** Successful completion of 1 Business Course

**Credits: 1**

The VEI course is designed to be equivalent to a college course in Business & Technology in which participants learn hand on methodologies. With an emphasis on college and career readiness, VE is an in-school, live, global business simulation that offers students a competitive edge through project-based, collaborative learning and the development of 21st-century skills in entrepreneurship, administration, global business, problem solving, communication, personal finance and technology.

**COURSE CODE:**

**COURSE TYPE: Elective**

# Computer Science (CS)

**COURSE TITLE: Info & Comm Tech 1**

**PREREQUISITE: None**

**CREDITS: 1**

**COURSE CODE: AQA1501ICT**

**Course Type: Elective**

The Information Communication Technology syllabus encourages learners to develop lifelong skills, which will be useful to them in their work across the curriculum and prepare them for future employment. They will develop understanding of the implications of technology in society, including social, economic and ethical uses and awareness of the way ICT can help in home, learning and work environments.

**COURSE TITLE: Info & Comm Tech 1I**

**PREREQUISITE: None**

**CREDITS: 1**

**COURSE CODE: AQA2362ICT**

**Course Type: Elective**

The syllabus combines theoretical and practical studies focusing on the ability to use common software applications to solve problems, including word processors, spreadsheets, databases, interactive presentation software, web browsers and website design.

**COURSE TITLE: CS I – Computer Science 1**

**PREREQUISITE: None**

**CREDITS: 0.5**

**COURSE CODE: MOE1350CSC**

**Course Type: Elective**

This is a project-based course in which students learn the basics of computing and technology. Students will be exposed to basic computer systems and networks, the Internet, web design using HTML, ethical issues in technology, and the history of computing. Each course module includes in-class activities and a student project, the largest being the small group development of a web site. The course focuses on broad IT concepts rather than specific computer applications, which are taught as tools. The course will familiarize students with the basics of computing and technology, and perhaps encourage students to take additional courses in computer studies.

**COURSE TITLE: CS II – Computer Science II**

**PREREQUISITE: Computer Science I**

**CREDITS: 0.5**

**COURSE CODE: MOE2422CSC**

**COURSE TYPE: Elective**

This is a project-based course in which students learn basic computer programming concepts and are exposed to advanced coverage of topics that were introduced in the prerequisite course, Introduction to Computing. Students will focus on problem solving as they create programs using Karel the Robot, and then move on to more complex programming using JavaScript. This course introduces students to dynamic web page design, and themes in the future of computing and technology. Students will design and implement a dynamic web site and create and present a futuristic technology design.

**COURSE TITLE: Presentation Tools**

**PREREQUISITE: Computer Science I**

**CREDITS: 0.5**

**COURSE CODE: MOE2430PTL**

**COURSE TYPE: Elective**

Using industry standard software, this comprehensive in the art of desktop publishing, spreadsheet manipulations, graphing and presentation design will focus particularly on the ability to organize data and to deliver effective presentations. Hands-on experience with Microsoft Excel, Access and PowerPoint will play a major role in the instruction of this course. Students wishing to pursue business studies electives are recommended to take this course.



# Computer Science (CS)

## **COURSE TITLE: CSIII Computer Science III**

**PREREQUISITE:** Computer Science II S2

**CREDITS:** 0.5

This project-based course provides a more intense look at computer programming, using a Java based teaching language. The concepts of typed variables, control statements, methods and algorithmic problem solving are all examined in-depth as students write interesting and exciting programs.

**COURSE CODE:** MOE3233IPG

**COURSE TYPE:** Elective

## **COURSE TITLE: Computer Science Mentored Practicum**

**PREREQUISITE:** Intermediate Programming S3

**CREDITS:** 1

During the first phase of the course (September to November), students work in the classroom with peers and course teacher to identify an area of interest for their practicum and develop a proposal which identifies their interests, goals, and intended practicum experience. During this portion of the course, the course teacher will deliver workshops/discussions to spark student interest in a variety of areas and prepare them for work in a corporate industry environment (speakers, collaboration workshops, etc.). The proposal will be constructed using prior knowledge and experience from prerequisite classes, research conducted (Web, library, interviews), and new classroom knowledge. The culmination of the first phase of the course will be matching students to field-based mentors using the student proposals and the mentor practicum descriptions.

During the second phase of the course (December to May), students will engage in on-site work with guidance from the course teacher and the field-based mentor. The student and the mentor will revise the original proposal to include specific requirements for on-site work and methods of assessment. Students then begin their work and will be expected to determine and seek the level of assistance and support they need, and successfully complete their practicum according to course guidelines, requirements, and the individual specifications they established with their mentor. This phase includes regularly scheduled assessments that provide continuity to the course and its participants.

The work culminates in a final summary report that is developed based on course guidelines and any additional guidelines designed by the student, teacher and mentor. This final piece should be an artifact that successfully presents a reflective overview of the practicum experience, self-assessments, and examples of work and revisions.

**COURSE CODE:** MOE4400PRA

**COURSE TYPE:** Elective

## **Course Title: Visual Design**

**Prerequisite: S3 Computer Course**

**CREDITS: 0.5**

This is a project based course in which students learn the basic principles of graphic and information design, and are introduced to a variety of multimedia authoring tools. Students complete lessons containing both conceptual and hands on components. They actively learn by engaging in series of design projects that guide them through experiments with important design elements (such as color and shapes), principles (such as balance and rhythm), and multimedia authoring tools (such as PhotoShop and Dreamweaver). Balancing the conceptual and technical approaches to design, this course expands visual thinking and increases understanding of the design process. Students build media literacy skills through their increased design knowledge, encouraging them to be active critical participants in design who can constructively critique their own work, and that of others. Historical and contemporary graphic design works are presented and discussed. Students are responsible for the effective presentation of their own work, and the creation of a digital portfolio. The ideas presented in the course are grounded in reference to students' prior knowledge and future relevance. In a cooperative and comfortable setting, students become creators, critics, presenters, and defenders of design compositions.

**Course Code: MOE3251VIS**

**Course Type: Elective**

## **Course Title: Interactive Design**

**Prerequisite: Visual Design**

**CREDITS: 0.5**

This project-based course addresses the subjects of interaction design and project management. Students are exposed to interaction design principles and theories, and use this knowledge to design and test their work. Students are exposed to interaction design principles and theories, and use this knowledge to design and test their work. Students are also introduced to the tools, methodologies, and approaches that can be used to manage design projects effectively. Through demonstrations, lecture, and discussion, they will learn how to establish project scope, set and monitor realistic deadlines, and interact with clients. This course is structured around the interactive website design project mentioned above the modules of the course are mapped onto stages of the design process: analysis, organization, development, and evaluation. Each module includes topics related to both project management and interaction design, leading the students through progressive steps toward project completion..

**Course Code: MOE4172ITD**

**Course Type: Elective**

# Computer Science (CS)

**Course Title: AP Computer Science 1**

**Prerequisite: Computer Science II and/or Computer Science III**

**CREDITS: 1.5**

**Course Code: CBD3971CSC**

**Course Type: Elective**

The AP Computer Science Principles course is designed to be equivalent to a first-semester introductory college computing course. In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course is unique in its focus on fostering student creativity by allowing them to design and implement innovative solutions using an iterative process similar to what artists, writers, computer scientists, and engineers use to bring ideas to life. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using computer software and other technology to explore questions that interest them. They will also develop effective communication and collaboration skills, working individually and collaboratively to solve problems, and discussing and writing about the importance of these problems and the impacts to their community, society, and the world.

# Design & Technology (DT)

**COURSE TITLE: Technical Skills 1**

**PREREQUISITE:** None

**CREDITS:** 1

**COURSE CODE:** NCC1280COR

**COURSE TYPE:** Elective

The technical Skills 1 Course is the prerequisite for Technical Skills 11. It covers a basic insight into the following topic areas: - Basic Safety, Introduction to Construction Math, Introduction to Hand Tools, Introduction to Power Tools and Introduction to Technical Drawing. Students will design and construct wooden projects using the knowledge and skills acquired while studying the modules listed in this course.

The course is designed for students who wish to enter the construction industry and pursue a career in a construction trade. All modules require completion of written and performance tests which must be passed to move on to Technical Skills 11. The NCCER pass mark for the written examinations is 70% and the performance tests are assessed on a pass or fail rating. There are no pre-requisites for this course; however, a consistent grade of C or better in Mathematics is preferred.

**COURSE TITLE: Technical Skills 11**

**Prerequisite:** Technical Skills 1

**CREDITS:** 1

**COURSE CODE:** MOE2842TEC

**COURSE TYPE:** Elective

The Technical Skills 11 Course covers a basic insight into the following topic areas: - Introduction to Construction Drawing, Basic Communication Skills, Basic Employability Skills and Introduction to Materials Handling. Students will be required to utilize the knowledge and skills acquired in this module to design and construct wooden projects.

The course is designed for students who wish to enter the construction industry or further their education at the higher level and pursue a career in a construction trade. All modules require completion of written and performance tests which must be passed to obtain the NCCER Certificate. The NCCER pass mark for the written examinations is 70% and the performance tests are assessed on a pass or fail rating. There are no pre-requisites for this course; however, a consistent grade of C or better in Mathematics is preferred

**COURSE TITLE: NCCER ELECTRONIC SYS TECH**

**PREREQUISITE:** Technical Skills 11

**CREDITS:** 1

**COURSE CODE:** NCC2301EST

**COURSE TYPE:** Elective

The purpose of this programme is to provide students with a foundation of knowledge and technically oriented experiences in the study of electronics technology. This programme focuses on transferrable skills and stresses understanding and demonstration of the technological tools, machines, instruments, materials, processes and systems in business and industry. Students will work towards earning an Electronic Systems Technician's Certificate from the National Center for Construction education & Research (NCCER).

**COURSE TITLE: NCCER Carpentry I**

**PREREQUISITE:** Technical Skills 11

**CREDITS:** 1

**COURSE CODE:** NCC2311CAR

**COURSE TYPE:** Elective

This course is a prerequisite for NCCER Carpentry 11, and will build essential skills and knowledge that include orientation to the trade, wood building materials, fasteners, adhesives, and hand and power tools. The course is designed for students who wish to enter the construction industry and pursue a career in a construction trade.

**COURSE TITLE: NCCER Carpentry 11**

**Prerequisite:** Carpentry 1

**CREDITS:** 1

**Course CODE:** NCC3542CAR

**COURSE TYPE:** Elective

This course is a prerequisite for NCCER Carpentry 111 and will build essential skills and knowledge that include Reading Plans and Blueprints, Wall and Ceiling Framing and Floor Systems. The course is designed for students who wish to enter the construction industry and pursue a career in a construction trade.

## **Design & Technology (DT)**

**COURSE TITLE: NCCER Carpentry 111**  
**PREREQUISITE: NCCER Carpentry 11**  
**CREDITS: 1**

**COURSE CODE: NCC4443CAR**  
**COURSE TYPE: Elective**

This course will build essential skills and knowledge that include – Introduction to Concrete Reinforcing Materials and Form work, Windows and Exterior Doors and Basic Stair Layout. Students will study the uses of concrete reinforcing materials, installation for various types of windows and doors and the types and basic stair layout. The course is designed for students who wish to enter the construction industry and pursue a career in a construction trade.

**COURSE TITLE: NCCER Electrical I**  
**PREREQUISITE: Technical Skills 11**  
**CREDITS: 1**

**COURSE CODE: NCC2291ELE**  
**COURSE TYPE: Elective**

This course will build essential skills and knowledge required for the field of electricity and focuses on electrical safety, conduit bending, fasteners and anchors, and Electrical Theory I.

**COURSE TITLE: Home Entertainment Systems**  
**PREREQUISITE: Technical Skills Skills 11**  
**CREDITS: 1**

**COURSE CODE: MOE4510HOM**  
**COURSE TYPE: Elective**

This course will prepare students for entry-level employment in the home entertainment Audio/Video industry to include Home Theater installation and setup.

## English Language Arts (EL)

**COURSE TITLE: IGCSE English 1**

**PREREQUISITE: None**

**CREDIT: 1**

**COURSE CODE: CAM1011ENG**

**COURSE TYPE: Required**

Students will pursue a course of study that will prepare them for examinations in IGCSE Language and IGCSE Literature. They will continue to develop English skills- reading, writing, speaking, listening, and viewing- which enable essential communication. Students will study a variety of literary genres and related literary terms when writing a range of formal and informal papers. They will practice the language skills needed for effective expression and participate in individual and interpersonal oral presentations. Study skills and test-taking skills apply to all coursework. The literature component spans several time periods ranging from Shakespeare to Twentieth Century drama, prose and poetry.

**COURSE TITLE: English Language & Literature Lab**

**PREREQUISITE: None**

**CREDITS: 1**

**COURSE CODE: MOE1310LAB**

**COURSE TYPE: Required**

This course provides literacy, written and communication skills to prepare students for success in higher level English Language classes, in their daily lives and in the work place. It supports students who have gaps in their knowledge of concepts, essential skills and reading. Students will have an opportunity to bridge these gaps in order to develop confidence and proficiency in reading, writing, speaking, listening and processing information through mass media. Students will apply knowledge, skills and specific strategies to assigned tasks. Assessments will be divided into three major assessment categories: performance, product and written.

**COURSE TITLE: IGCSE English 11**

**PREREQUISITE: IGCSE English 1**

**CREDITS: 1**

**COURSE CODE: CAM2012ENG**

**COURSE TYPE: Required**

In preparation for the IGCSE Language and IGCSE Literature examinations which take place at the end of this year students will continue to build and develop their reading, writing, listening and speaking skills. Classes will focus on a deeper more analytical study of the novel, drama, poetry and short stories. Students will develop course work assignments started in S1 and use more sophisticated sentence structures and vocabulary, displaying a deeper analysis of the writing prompt. Emphasis will be placed on students' understanding and use of literary and persuasive devices and their analysis of a writer's audience and purpose.

**COURSE TITLE: English Language III**

**PREREQUISITE: IGCSE English II**

Required

**CREDITS: 1**

**COURSE CODE: MOE3023ENG**

**COURSE TYPE:**

This course is designed for senior three students and involves reading of modern American and British literature. Language skills are developed separately and in conjunction with the study of literature. Various short stories, poems, novels and other literary genre are read, evaluated and analyzed in written and oral form. Specific skills, such as critical analysis, essays, group discussion, creative writing, grammar and vocabulary are developed.



## English Language Arts (EL)

### **COURSE TITLE: English Language & Literature IV**

**PREREQUISITE:** English Language & Literature III S3

**CREDITS:** 1

**COURSE CODE:** MOE4014ENG

**COURSE TYPE:** Required

Through a comprehensive study of *World Literature*, students will develop increasingly more sophisticated skills of literary analysis, critical thinking, and written expression and vocabulary, enrichment. Students are expected to assume greater responsibility toward the completion of long-term assignments. Students in this course investigate the historical background of *World Literature*. The influence of writers is defined through oral and written work. Specific skills are developed in research writing and a research paper is a requirement of this course. Student writing is developed through critical and creative responses to the selection.

### **COURSE TITLE: Journalism**

**PREREQUISITE:** English Language & Literature III S3

**CREDITS:** 1

**COURSE CODE:** MOE3030JRN

**COURSE TYPE:** Elective

Journalism is a semester course designed for students interested in newspaper journalism and developing their skills as a writer. The course explores the contemporary media and the ethical responsibility issues inherent in the press today. Students will learn the fundamentals of news, feature, editorial and sports writing. Copy reading, news style and editing will be stressed. Students will create numerous original stories using varied structures and writing techniques. Students will also learn to create computer generated layouts and graphics, as well as produce a minimum of 2 hard copies incorporating the year's events.

### **COURSE TITLE: Literature of Africa, U. S., Bda & Carib**

**PREREQUISITE:** English III

**CREDITS:** 0.5

**COURSE CODE:** MOE4280LIT

**COURSE TYPE:** Elective

Students will read works written by authors clearly connecting social studies, the arts and literature. An emphasis will be placed on experiencing literature as a mirror of society linking historical events and geographical regions. Developing and practicing research skill, making oral presentations, viewing films, attending productions, interviewing artists and writers are language activities. In this course, students will practice language arts skills in critical thinking and reading, comprehension, narrative and expository writing and summary techniques

### **COURSE TITLE: Writer's Workshop**

**PREREQUISITE:** English III

**CREDITS:** 0.5

**COURSE CODE:** MOE4030WRI

**COURSE TYPE:** Elective

Students study and practice the techniques and skills of different writing types, such as original exposition, short story, narration, argumentation and poetry. The student will be exposed to a variety of writing forms and will study and write in several modes. During class time there will be free exchange of ideas concerning student work.

# English Language Arts (EL)

**COURSE TITLE: Advanced Placement (AP) English Language and Composition I**

**PREREQUISITE:** IGCSE English Extended A\*-C

**CREDITS:** 1.5

**COURSE CODE:** CBD3831LAN

**COURSE TYPE:** ELECTIVE

The AP course in English Language and Composition is a college-level course which engages students in becoming skilled readers of prose (emphasis on non-fiction) written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. In both the writing and reading components, students are made aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing.

In the course we will study the art of rhetoric. We will analyze the choices that writers make so that the text is purposeful and most importantly, effective. Students will become mature and thoughtful readers and writers.

**COURSE TITLE: Advanced Placement (AP) English Language and Composition II**

**PREREQUISITE:** Advanced Placement (AP) English Language and Composition I 70% and above

**CREDITS:** 1.5

**COURSE CODE:** CBD4672LAN

**COURSE TYPE:** ELECTIVE

This is the second year of the Advanced Placement (AP) English Language and Composition

**COURSE TITLE: Advanced Placement (AP) Literature and Composition I**

**PREREQUISITE:** IGCSE English Extended A\*-B or IGCSE English Literature A\*-B

**CREDITS:** 1.5

**COURSE CODE:** CBD3821ELA

**COURSE TYPE:** Elective

Advanced Placement (AP) Literature and Composition I is the first year of a two year programme. AP English Literature and Composition is a college/university level course. The novels, plays and poems span genres and centuries to ensure that students are well read in preparation for the AP exam. Summer reading is assigned prior to the start of the programme (end of S2 year) and at the end of the S3 year. The programme is rigorous and the standards are high. A student entering this programme must be an individual who reads well and reads often.

**COURSE TITLE: Advanced Placement (AP) Literature and Composition II**

**PREREQUISITE:** Advanced Placement (AP) Literature and Composition I 70% and above

**CREDITS:** 1.5

**COURSE CODE:** CBD4662ELA

**COURSE TYPE:** Elective

Advanced Placement (AP) Literature and Composition II is the second year of a two year programme. AP English Literature and Composition is designed to be a college/university level course. This course will provide students with the intellectual challenges and workload consistent with a typical undergraduate university English literature/Humanities course. As a culmination of the course in the second year of this programme, students will take the AP English Literature and Composition Exam given in May of the second year of study. A student who earns a grade of 3 or above (5 is the highest) will be granted college credit at most colleges and universities.



## Family Studies (FS)

**COURSE TITLE: Exploring Family Living**

**PREREQUISITE:** None

**CREDITS: 0.5**

**COURSE CODE: MOE1360EFL**

**COURSE TYPE: Elective**

This course enables students to develop the skills necessary to manage their personal, family and future working lives. It also forms the foundation for further courses in this curriculum area. The content is divided into three modules of work; Relationships and family Life, Making healthy food choices and food preparation and textiles technology and the construction process. The learning activities will include theory and practical work. The students will cook healthy dishes for the family and complete a sewing project.

**COURSE TITLE: Discovering Food and Nutrition**

**PREREQUISITE:** Exploring Family Living

**CREDITS: 0.5**

**COURSE CODE: MOE2461DFN**

**COURSE TYPE: Elective**

This course explains the role of nutrients in the body and how this relates to good health. Students will have the opportunity to apply this knowledge in practical situations, such as meal planning, to suit individual needs, special diets and the analysis of food products to make informed choices. Emphasis will be placed on producing healthy and nutritious dishes. In addition, students will be introduced to the hospitality industry by completing a catering observation.

**COURSE TITLE: Meal Management and Hospitality**

**PREREQUISITE:** Discovering Food and Nutrition

**CREDITS: 0.5**

**COURSE CODE: MOE3310MMH**

**COURSE TYPE: Elective**

This course provides experiences in planning, preparing and serving foods. Practical experiences in the laboratory will include knowledge of sanitation, food handling, kitchen safety kitchen equipment, menu interpretation, equipment demonstrations and nutrition. Students will gain a detailed understanding of selected areas of the hairdressing and beauty therapy industry. This will include the presentation of self for the working environment. The course teaches the student to prepare for the transition from school to work. Colour analysis and perception will be included.

Due to the depth, areas of knowledge covered and the high degree of practical classes and assessment, attendance will be a component of this course. Candidates will participate and obtain a competence in salon services. This course can be used as a stepping-stone into the hairdressing industry.

**COURSE TITLE: Exploring Careers in Nutrition and Hospitality**

**PREREQUISITE:** Meal Management and Hospitality

**CREDITS: 0.5**

**COURSE CODE: MOE4230ENH**

**COURSE TYPE: Elective**

This course will provide students with both theoretical and practical experience of the various aspects of careers related to Nutrition and Hospitality. Students will be able to complete practical experience in their chosen field, maintain a journal of observations, prepare a brochure to advertise their individual projects and thoroughly investigate a career path. This course is a must for all students who are contemplating a career in this field.

## Family Studies (FS)

**COURSE TITLE: IGCSE Home Economics: Food & Nutrition I**

**PREREQUISITE:** None

**CREDITS:** 1

**Course Code: AQA1131FDN**

**COURSE TYPE:** Elective

GCSE Food and Nutrition is a comprehensive study of food in relation to health. Students will have the opportunity to develop their knowledge and understanding of human needs in a diverse society and to work in a variety of contexts. The skills and knowledge acquired will be relevant and transferable to other settings, enhancing career opportunities and providing a satisfying course of study of various ages and from diverse backgrounds.

**COURSE TITLE: IGCSE Home Economics: Food & Nutrition II**

**PREREQUISITE:** IGCSE Home Economics: Food & Nutrition I

Elective

**CREDITS:** 1

**Course Code: AQA2132FDN**

**COURSE TYPE:**

In the second year students are required to complete two controlled assessments which contribute 60% of the final mark. The written exam 40% of the final mark is done at the end of year 2. Students with a particular interest in the food industry, food technology, dietetics, nutrition, food science will benefit from this course of study.

## Foreign Language (FL)

**COURSE TITLE: GCSE French I**

**PREREQUISITE:** Challenge Exam A-C/Teacher Recommendation

**CREDITS:** 1

**COURSE CODE: AQA1051FRH**

**COURSE TYPE: Required**

In this course, students will pursue a course of study that will prepare them for the GCSE examination. They will further develop their communication skills through learning vocabulary, a variety of tenses and grammatical structures. Emphasis will be placed on the development of listening, speaking, reading and writing skills in the target language. Role-play, presentations (including powerpoint), blended learning, the use of interactive sites, games and a digital textbook are some of the tools used to explore real life situations and to enhance the learning process.

**COURSE TITLE: French I**

**PREREQUISITE:** None

**CREDITS:** 1

**COURSE CODE: MOE1201FRH**

**COURSE TYPE: Required**

In this course, students will develop their communication skills through learning everyday expressions, vocabulary and grammatical structures. Focus is on all four language skills listening, speaking, reading and writing. . Role-play, presentations, computers, media and games are some of the techniques and tools used to explore real life situations and to enhance the learning process. Students will also explore and develop an appreciation for French customs and traditions.

**COURSE TITLE: GCSE Spanish I**

**PREREQUISITE:** Challenge Exam A-C/Teacher Recommendation

**CREDITS:** 1

**COURSE CODE: AQA1061SPH**

**COURSE TYPE: Required**

In this course, students will pursue a course of study that will prepare them for the GCSE examination. They will further develop their communication skills through learning vocabulary, a variety of tenses and grammatical structures. Emphasis will be placed on the development of listening, speaking, reading and writing skills in the target language. Role-play, presentations (including powerpoint), blended learning, the use of interactive sites, games and a digital textbook are some of the tools used to explore real life situations and to enhance the learning process.

**COURSE TITLE: Spanish I**

**PREREQUISITE:** None

**CREDITS:** 1

**COURSE CODE: MOE1211SPH**

**COURSE TYPE: Required**

In this course, students will develop their communication skills through learning everyday expressions, vocabulary and grammatical structures. Focus is on all four language skills listening, speaking, reading and writing. Role-play, presentations, computers, media and games are some of the techniques and tools used to explore real life situations and to enhance the learning process. Students will also explore and develop an appreciation for Spanish customs and traditions.

**COURSE TITLE: GCSE French II****PREREQUISITE:** French 1**CREDITS:** 1**COURSE CODE: AQA2052FRH****COURSE TYPE:** Required

In this course, students will continue their preparation for the GCSE examination which will take place at the end of the year and will further develop the four basic skills - listening, speaking, reading and writing -as they build on their vocabulary, idiomatic expressions and grammatical structures. Various strategies will be used including role-play, presentations (including powerpoint), blended learning, the use of interactive sites, games and a digital textbook are some of the tools used to explore real life situations and to enhance the learning process. Students will also explore other cultures and develop an appreciation for the diversities and commonalties that exist.

**COURSE TITLE: French II****PREREQUISITE:** French 1**CREDITS:** 1**COURSE CODE: MOE2502FRH****COURSE TYPE: Required**

In this course, students will further develop the four basic skills - listening, speaking, reading and writing -as they build on their vocabulary, idiomatic expressions and grammatical structures. Various strategies will be used including role-play, presentations, the use of computers, interactive sites, videos, games and a blended learning program will be used to enhance the teaching and learning process. Students will also explore other cultures and develop an appreciation for the diversities and commonalties that exist.

**COURSE TITLE: GCSE Spanish II****PREREQUISITE:** Spanish I**CREDITS:** 1**COURSECODE: AQA2062SPH****COURSE TYPE:** Required

In this course, students will continue their preparation for the GCSE examination which will take place at the end of the year and will further develop the four basic skills - listening, speaking, reading and writing -as they build on their vocabulary, idiomatic expressions and grammatical structures. Various strategies will be used including role-play, presentations (including powerpoint), blended learning, the use of interactive sites, games and a digital textbook are some of the tools used to explore real life situations and to enhance the learning process. Students will also explore other cultures and develop an appreciation for the diversities and commonalties that exist.

**COURSE TITLE: Spanish II****PREREQUISITE:** Spanish I**CREDITS:** 1**COURSECODE: MOE2510SPH****COURSE TYPE:** Elective

In this course, students will further develop the four basic skills - listening, speaking, reading and writing -as they build on their vocabulary, idiomatic expressions and grammatical structures. Various strategies will be used including role-play, presentations, the use of computers, interactive sites, videos, games and a blended learning program will be used to enhance the teaching and learning process. Students will also explore other cultures and develop an appreciation for the diversities and commonalties that exist.

**COURSE TITLE: French III****PREREQUISITE:** French II**CREDITS:** 1**COURSE CODE: MOE3493FRH****COURSE TYPE:** Elective

French 111 continues to explore, expand upon, advance, and sharpen students' listening, speaking, reading, and writing skills. Students will continue to demonstrate their ability to communicate in French through various contexts to achieve higher degrees of language comprehension and proficiency. More emphasis will be placed on speaking through role plays of real life situations, discussions and presentations on current topics. Aspects of Francophone cultures will be emphasized in this class through cultural readings, magazine and newspaper articles, media, games, and class discussions.

**COURSE TITLE: Spanish III****PREREQUISITE:** Spanish II**CREDITS:** 1**COURSE CODE: MOE3503SPH****COURSE TYPE:** Elective

Spanish 111 continues to explore, expand upon, advance, and sharpen students' listening, speaking, reading, and writing skills. Students will continue to demonstrate their ability to communicate in Spanish through various contexts to achieve higher degrees of language comprehension and proficiency. More emphasis will be placed on speaking through role plays of real life situations, discussions and presentations of current topics. Aspects of Spanish and Hispanic cultures will be emphasized in this class through cultural readings, magazine and newspaper articles, media, games, and class discussions.

**COURSE TITLE: French IV****PREREQUISITE:** French III or approval of the instructor**CREDITS:** 1**COURSE CODE: MOE4384FRH****COURSE TYPE:** Elective

Students will continue to focus on and explore the four language skills: reading, writing, listening, and speaking. These skills will be further refined, sharpened and expanded upon in this course. More emphasis this year will be placed on reading and writing in order to provide multiple opportunities to demonstrate proficiency in French in different contexts. Students at this level are expected to work more independently, achieve higher levels of language acquisition, and communicate with more fluency on a variety of topics. Aspects of daily Francophone customs, traditions, and culture will be emphasized through literature, cultural readings, magazine and newspaper articles, media, games and class discussions support the language instruction.

**COURSE TITLE: Spanish IV****PREREQUISITE:** Spanish III or approval of the instructor**CREDITS:** 1**COURSE CODE: MOE4394SPH****COURSE TYPE:** Elective

Students will continue to focus on and explore the four language skills: reading, writing, listening, and speaking. These skills will be further refined, sharpened and expanded upon in this course. More emphasis this year will be placed on reading and writing in order to provide multiple opportunities to demonstrate proficiency in Spanish in different contexts. Students at this level are expected to work more independently, achieve higher levels of language acquisition, and communicate with more fluency on a variety of topics. Aspects of daily Spanish and Hispanic customs, traditions, and culture will be emphasized through literature, cultural readings, magazine and newspaper articles, media, games and class discussions support the language instruction.

**COURSE TITLE: ASL 1**  
**PREREQUISITE:** None  
**CREDITS:** 1

**COURSE CODE: ASL1641**  
**COURSE TYPE:** Required

American Sign Language (ASL) is a beginning level course which introduces students to the basics of ASL grammar and syntax, vocabulary, fingerspelling, numbers and visual-manual communication. Deaf Culture and History are also integrated into the instruction. Role play, presentations (including powerpoint), skill-building activities, games, videos as well as interactive communication will be used to enhance, enrich and develop expressive and receptive skills in the target language.

**COURSE TITLE: Advanced Placement (AP) French 1**  
**PREREQUISITE:** GCSE French Extended A\*-C  
**CREDITS:** 1.5

**COURSE CODE: CBD3931FRH**  
**COURSE TYPE:** Elective

The AP French Language and Culture course is an advanced language course in which students are directly prepared for the AP French Language and Culture test. It uses as its foundation the three modes of communication: interpersonal, interpretive and presentational. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. It is based on three themes that are required by the College Board: (1) Families and Communities (2) Science and Technology (3) Beauty and Esthetics authentic French-language materials and sources, demonstrate proficiency in interpersonal, interpretive, and presentational communication using French, gain knowledge and understanding of the cultures of the Francophone world, use French to connect with other disciplines and expand knowledge in a wide variety of contexts, develop insight into the nature of the French language and its culture, and use French to participate in communities at home and around the world.

**COURSE TITLE: Advanced Placement (AP) French 11**  
**PREREQUISITE:** AP French 1  
**CREDITS:** 1.5

**COURSE CODE: CBD4790FRH**  
**COURSE TYPE:** Elective

This course is Part II of the AP French Language and Culture course and is a continuation of part I. Students are directly prepared for Language and Culture test. It uses the three modes of communication: interpersonal, interpretive and presentational. It is conducted almost exclusively in Spanish. It is based on the three themes that are required by the College Board: (1) Contemporary Life and Communities (2) Global Challenges and (3) Personal and Public Identities. The course also teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. Students should expect to listen to, read, and understand a wide variety of authentic French-language materials and sources, demonstrate proficiency in interpersonal, interpretive, and presentational communication using French, gain knowledge and understanding of the cultures of the Francophone world, use French to connect with other disciplines and expand knowledge in a wide variety of contexts, develop insight into the nature of the French language and its culture, and use French to participate in communities at home and around the world.

**COURSE TITLE: Advanced Placement (AP) Spanish I**  
**PREREQUISITE: GCSE Spanish A\*- C**  
**CREDITS: 1.5**

**COURSE CODE: CBD3991SPH**  
**COURSE TYPE: Elective**

This course is Part I of the AP Spanish Language and Culture course which is an advanced language course. Students are directly prepared for the AP Spanish Language and Culture test. It uses as its foundation the three modes of communication: interpersonal, interpretive and presentational. The course is conducted almost exclusively in Spanish. It is based on three themes that are required by the College Board: (1) Families and Communities (2) Science and Technology (3) Beauty and Esthetics. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. Students should expect to listen to, read, and understand a wide variety of authentic Spanish-language materials and sources, demonstrate proficiency in interpersonal, interpretive, and presentational communication using Spanish, gain knowledge and understanding of the cultures of the Hispanic world, use Spanish to connect with other disciplines and expand knowledge in a wide variety of contexts, develop insight into the nature of the Spanish language and its culture, and use Spanish to participate in communities at home and around the world.

**COURSE TITLE: Advanced Placement (AP) Spanish 11**  
**PREREQUISITE: GCSE Spanish A\*-C**  
**CREDITS: 1.5**

**COURSE CODE: CBD4840SPH**  
**COURSE TYPE: Elective**

This course is Part II of the AP Spanish Language and Culture course and is a continuation of part I. Students are directly prepared for Language and Culture test. It uses the three modes of communication: interpersonal, interpretive and presentational. It is conducted almost exclusively in Spanish. It is based on the three themes that are required by the College Board: (1) Contemporary Life and Communities, (2) Global Challenges and (3) Public and Personal Identities. The course also teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. Students should expect to listen to, read, and understand a wide variety of authentic Spanish-language materials and sources, demonstrate proficiency in interpersonal, interpretive, and presentational communication using Spanish, gain knowledge and understanding of the cultures of the Hispanic world, use Spanish to connect with other disciplines and expand knowledge in a wide variety of contexts, develop insight into the nature of the Spanish language and its culture, and use Spanish to participate in communities at home and around the world.

## Health Education (HE)

**COURSE TITLE: Health and Wellness**

**PREREQUISITE:** None

**CREDITS:** 0.5

**COURSE CODE: MOE1370HAW**

**COURSE TYPE: Required**

This course examines the factors that contribute to optimal health and wellness. Enhancing self-esteem and personal responsibility are emphasized. Students apply critical thinking skills both by seeking answers to their own health and wellness questions and weighing the benefits and consequences of risk reduction and disease prevention. Local and global health issues will be examined with local bio-statistics and community resources utilized as appropriate. Topics include a focus on health and wellness; mental and emotional health; safety; alcohol, tobacco and other drugs; human sexuality and infectious diseases.

**COURSE TITLE: First Aid/CPR/Tobacco/Alcohol (A)**

**PREREQUISITE:** Health and Wellness

**CREDITS:** 0.5

**COURSE CODE: MOE2692TFC**

**COURSE TYPE: Elective**

In many communities around the world, alcohol and tobacco are sold in supermarkets along with groceries. Advertisements for wine, beer, liquors and cigarettes appear in magazines and newspapers. Because alcohol and tobacco are sold in so many ordinary places and they are legal, this course is designed to look at use, abuse and addiction to these substances. Additionally, the use, abuse and addiction to illicit drugs will be closely examined. The Skills for Action Quest Life Skills Programme provides a basis for this course.

This course will follow the American Red Cross programme for standard first aid and safety. Students will be able to recognize and treat these emergencies. The course uses a combination of video, lecture and hands-on experiences to introduce the material. Certified Bermuda Red Cross Trainers will instruct students in Adult, Children and Infant CPR techniques using mannequins. The importance of first aid training will be discussed together with careers in related fields. The American Red Cross test will be used to assess this programme.

**COURSE TITLE: Health Issues**

**PREREQUISITE:** Health and Wellness

**CREDITS:** 0.5

**COURSE CODE: HE3510HTH**

**COURSE TYPE: Elective**

This course is designed to extend and refine knowledge already gained in earlier health education courses and increase health literacy and personal responsibility for health and wellness. Students will undergo health behaviour assessments and apply principles of risk reduction and health promotion to selected current health issues. Mental and emotional health; nutrition and physical inactivity; safety, violence and injury prevention; chemical dependency and the risks of unprotected sex are among the health issues to be studied. Independent research and multimedia production activities will be undertaken in addition to critical examination of viewpoints on ethical issues related to health.



# Mathematics (MT)

**COURSE TITLE: Mathematics 1 (IGCSE)**

**PREREQUISITE:** None

**CREDITS:** 1

**COURSE CODE: CAM1031MTH**

**COURSE TYPE: Required**

Mathematics 1 (IGCSE) is the first year course of a two-year Cambridge program offered to all students entering senior school. Students will develop their understanding of mathematical concepts and expand on topics taught at the Middle School level. The Core and Extended Curriculum will be differentiated in relationship to the depth of topics and their applications. The course is intended to improve problem solving, communication and reasoning skills while fostering a positive attitude towards mathematics. Students will gain a confidence by developing a feel for numbers, patterns and relationships while being able to set out mathematical work in a logical and clear form using symbols and appropriate terminology. Topic disciplines include Sense, Algebra, Shape and Space and Data Handling.

**COURSE TITLE: Mathematics Laboratory**

**PREREQUISITE:** None

**CREDITS:** 1

**COURSE CODE: MOE1301LAB**

**COURSE TYPE: Elective**

Mathematics Laboratory is a course considered for students who did not acquire proficient scores in the **Check Point Standards** in the Middle School level. The student will apply basic mathematics to various consumer arithmetic activities, sports statistics, job related problems and other real life situations. Manipulative materials and technology will be used to help bridge the gap between the concrete experiences and abstract ideas.

**COURSE TITLE: Mathematics II (IGCSE)**

**PREREQUISITE: Mathematics 1 (IGCSE)**

**Credits:** 1

**COURSE CODE: CAM2032 MTH**

**COURSE TYPE: Required**

This course completes the second year of the Cambridge IGCSE Secondary 2. The content of the course incorporates topics in Number Sense, Algebra, Shape & Space and Data Handling. Important concepts are integrated with applications and disciplines in other subject areas. Through challenging explorations, students will collaboratively investigate and solve a variety of problems.

**COURSE TITLE: AS Mathematics**

**PREREQUISITE:** Mathematics 2 (IGCSE – Extended A\* to C)

**Credits:** 1

**COURSE CODE: CAM3051 MTH**

**COURSE TYPE: Elective**

This course offers student the exposure to the Advance Subsidiary of the Cambridge International A & AS level Mathematics. It involves a deeper understanding of further mathematical principles, the development of skills to analyze problems logically and recognizing when and how everyday situations can be communicated in the context of mathematics. The syllabus includes a compulsory Pure Mathematics and an option between Mechanics or Probability and Statistics.

**COURSE TITLE: A2 Mathematics**

**PREREQUISITE:** AS Mathematics

**CREDITS:** 1

**COURSE CODE: CAM4052MTH**

**COURSE TYPE: Elective**

This course requires an appreciation of mathematics as a logical and coherent subject. From AS Mathematics I students will use relevant concepts, terminology. Notation and techniques to communicate conclusions and present mathematical findings in a clear and logical way. Subsets of Calculus and Advanced Mathematics will be mastered by students.

# Mathematics (MT)

**COURSE TITLE: Integrated Mathematics****PREREQUISITE:** Mathematics II (Teacher Recommendation)**CREDITS:** 1**COURSE CODE:** MOE3060INT**COURSE TYPE:** Required

The curriculum of this course has a strong weighting of level II Geometry, Algebra and Data Handling. Concepts developed from Mathematics II (IGCSE) will be expanded upon and students will be expected use mathematical deductions make inferences, construct ideas through reason, exploration and the use of models and technology for applications in the real world.

**COURSE TITLE: Mathematics Application 1****PREREQUISITE:** Mathematics II**CREDITS:** 1**COURSE CODE:** MOE3071APP**COURSE TYPE:** Required

Applied Mathematics 1 is designed for students who had challenges with the IGCSE curriculum and were less than proficient in the four (4) general disciplines. In the course students will master skills in mathematical skills that fit solutions to problems in real world everyday situations. Algebra and trigonometry would be used as applications to solving several situations – emphasis on developing problem solving strategies.

**COURSE TITLE: Mathematics Application II****PREREQUISITE:** Integrated Mathematics or Applied 1**CREDITS:** 1**COURSE CODE:** MOE4072APP**COURSE TYPE:** Elective

This course will use authentic situations to encourage students to connect mathematics to everyday life in order to apply principles of algebra, geometry and statistics as strategies in problem solving. Emphasis placed on real world settings and investigations to help develop students' skills in communicating reasoning and analysis. Technology used to make the content practical and relevant.

**COURSE TITLE: Advanced Mathematics****PREREQUISITE:** Integrated Mathematics (Grade A or B)**CREDITS:** 1**COURSE CODE:** MOE4060ADV**COURSE TYPE:** Elective

This course involves a theoretical and in-depth approach to the advanced topics in mathematics. The student is to be able to solve problems of a more complex and abstract nature. The focus will be on important concepts on mathematics and how they can be applied to solve a wide variety of real world problems encountered in daily life and careers. Topics to be covered include functions, trigonometry, sequences and series, rates and area, conic sections and matrices.

**COURSE TITLE: Calculus****PREREQUISITE:** Integrated Mathematics (Grade A or B)**CREDITS:** 1**COURSE CODE:** MOE4040CAL**COURSE TYPE:** Elective

Calculus is the Mathematics of Change. Wherever there is motion or growth or where variation in one quantity produce alterations in another, Calculus helps us understands the changes that occur. Calculus may also be used to study geometric properties of curves, figure, solids etc. The understanding of functions is extremely important for calculus.

In this course, students will study the two main branches of Calculus, Differentiation, finding the rate of change of slopes and curves, and Integration, finding the area under a curve. These two branches of Calculus, Differentiation and Integration, has widespread use in Science, Engineering and Economics.

## Mathematics (MT)

**COURSE TITLE: AP Calculus AB I**  
**PREREQUISITE:** IGCSE (Grade A or B)  
**CREDITS:** 1.5

**COURSE CODE: CBD3851CAL**  
**COURSE TYPE:** Elective

This course is primarily concerned with functions, limits and derivatives. The in-depth approach to the course enhances students confidence and allows them to develop a deep understanding of the critical topics such as functions include linear, polynomial, rational, exponential, logarithmic, trigonometric, inverse trigonometric, rates of change, differential and piecewise-defined functions. Students will use the language of functions (domain and range, odd and even, periodic, symmetry, zeros, intercepts) to solving problems relating to real life situations.

**COURSE TITLE: AP Calculus AB II**  
**PREREQUISITE:** AP Calculus AB I

**COURSE CODE: CBD4692CAL**  
**COURSE TYPE:** Elective

**CREDITS:** 1.5

This course is designed for college-bound students. It provides a framework for modeling systems in which there is change, and a way to deduce the predictions of such models. Calculus AB is primarily concerned with developing the students' understanding of the concepts of calculus- Differential calculus and integral calculus referred to as the **Fundamental Theorem of Calculus** and providing experience with its methods and applications. The courses emphasize a multi representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. The connections among these representations also are important in solving problems in the real world.

# Physical Education (PE)

**COURSE TITLE: Physical Education I****PREREQUISITE:** None**CREDITS:** 0.5**COURSE CODE:** MOE1381PED**COURSE TYPE:** Required

This course will offer instruction in a wide variety of physical activities. Students will participate in team sports, individual and dual sports, aquatics, physical fitness, and recreational activities. Emphasis will be placed on developing physical fitness through a variety of methods.

**COURSE TITLE: Physical Education II****PREREQUISITE:** Physical Education I**CREDITS:** 1/0.5**COURSE CODE:** MOE2492PED**COURSE TYPE:** Required

This course will be taught to students who have completed S 1 in Physical Education. The course offers instruction to an intermediate level in a variety of physical activities. Students will participate in team sports, individual and dual sports, recreational activities, fitness and aquatics.

**COURSE TITLE: Physical Education III****PREREQUISITE:** Physical Education II**CREDITS:** 0.5**COURSE CODE:** MOE3333PED**COURSE TYPE:** Required

With this program S3 students are exposed to leisure time activities and the importance of staying physically fit throughout one's lifetime. Activities such as golf, recreation games (table tennis and football) and bowling are a part of this program. Students are also given an opportunity to coach and umpire one sport such as Netball, softball, soccer, or cricket. The program also provides students with an opportunity to write and run tournaments, learn how to take charge of the game situation and put into play all skills that have been learned over the years for Bermuda's national sports.

**COURSE TITLE: Physical Education IV****PREREQUISITE:** Physical Education II**CREDITS:** 0.5**COURSE CODE:** MOE4252PED**COURSE TYPE:** Elective

This course will be taught to any student who has completed S2 in Physical Education. The course offers instruction to an advanced level in a variety of physical activities. Students participate in team sports and dual and individual sports as they pertain to lifetime fitness and recreation.

**COURSE TITLE: GCSE Physical Education I****PREREQUISITE:** High aptitude in at least one sport to a competitive level, local, national or otherwise**CREDITS:** 1**COURSE CODE:** AQA1111PED**COURSE TYPE:** ELECTIVE

The content of this GCSE Physical Education course is designed to enable students to enjoy and understand the benefits of living a healthy and active lifestyle; to provide a route to further study in Further Education awards, such as A levels and/or the new Diplomas, and to Higher Education in PE as well as to related career opportunities. Students must be willing to learn in detail, all aspects of physical movement, physical activity, health, wellness, competition and national athletic standards.

## Science (SC)

**COURSE TITLE: IGCSE Biology**  
**PREREQUISITE: None**  
**CREDITS: 1**

**COURSE CODE: CAM1521BIO**  
**COURSE TYPE: Required**

This course covers topics such as the characteristics of living things, classification and diversity, plant and human nutrition, digestion, excretion, respiration and coordination and response. It is also designed to provide students with a better understanding of the technological world, with an informed interest in scientific matters and recognize the usefulness (and limitations) of the scientific method, and how to apply this to other disciplines and in everyday life. Students will develop attitudes, such as a concern for accuracy and precision, objectivity, integrity, enquiry, initiative and inventiveness. Students will better understand the influence and limitations placed on scientific study by society, economy, technology, ethics, the community and environment.

**COURSE TITLE: IGCSE Chemistry**  
**PREREQUISITE: None**  
**CREDITS: 1**

**COURSE CODE: CAM1531CHM**  
**COURSE TYPE: Required**

Course topics include the particulate nature of matter, experimental techniques, atoms, elements and compounds, stoichiometry, acids, bases and salts and the periodic table. It is designed to provide students with a better understanding of the technological world in which they live, and take an informed interest in science and scientific developments. Students will learn about the basic principles of Chemistry through a mix of theoretical and practical studies develop an understanding of the scientific skills which are useful in everyday life and learn how science is studied and practiced, and become aware that the results of scientific research can have both good and bad effects on individuals, communities and the environment.

**Course Title: IGCSE Physics**  
**PREREQUISITE: None**  
**CREDITS: 1**

**Course Code: CAM1541PHY**  
**Course Type: Required**

Some course topics include general physics, thermal physics and properties of waves. This course is designed to gain confidence in a technological world, with an informed interest in scientific matters, an understanding of how scientific theories and methods have developed, and continue to develop, as a result of groups and individuals working together. Students will gain an understanding that the study and practice of science are affected and limited by social, economic, technological, ethical and cultural factors. Students will develop awareness that the application of science in everyday life may be both helpful and harmful to the individual, the community and the environment. Students will better understand the usefulness and limitations of scientific method, and its application in other subjects in everyday life. Students will learn that science overcomes national boundaries and that the language of science, used correctly and thoroughly, is universal. Students will develop relevant attitudes, such as a concern for accuracy and precision, objectivity, integrity, enquiry, initiative and inventiveness. Course topics include general physics, thermal physics and properties of waves.

## Science (SC)

### **Course Title: IGCSE Biology II**

**Prerequisite: IGCSE Biology I**

**CREDITS: 1**

**Course Code: CAM2792BIO**

**Course Type: Required**

This course covers but is not limited to topics such as reproduction, inheritance and ecosystems and is a continuation of IGCSE Biology S1. It is designed to provide students with a better understanding of the technological world, with an informed interest in scientific matters and recognize the usefulness (and limitations) of the scientific method, and how to apply this to other disciplines and in everyday life. Students will develop relevant attitudes, such as a concern for accuracy and precision, objectivity, integrity, enquiry, initiative and inventiveness. Students will better understand the influence and limitations placed on scientific study by society, economy, technology ethics, the community and environment.

### **Course Title: IGCSE Chemistry II**

**Prerequisite: IGCSE Chemistry I**

**CREDITS: 1**

**Course Code: CAM 2802CHM**

**Course Type: Required**

This course covers but is not limited to topics such as air and water, sulfur, carbonates, and organic chemistry and is a continuation of IGCSE Chemistry S1. It is designed to provide students with a better understanding of the technological world in which they live and take an informed interest in science and scientific developments. Students will learn about the basic principles of Chemistry through a mix of theoretical and practical studies, develop an understanding of the scientific skills which are useful in everyday life and learn how science is studied and practiced, and become aware that the results of scientific research can have both good and bad effects on individuals, communities and the environment.

### **Course Title: IGCSE Physics II**

**Prerequisite: IGCSE Physics I**

**CREDITS: 1**

**Course Code: CAM2812PHY**

**Course Type: Required**

This course covers but is not limited to topics such as electricity and magnetism, and atomic physics and is a continuation of IGCSE Physics S1. It is designed to gain confidence in a technological world, with an informed interest in scientific matters, an understanding of how scientific theories and methods have developed, and continue to develop, as a result of groups and individuals working together. Students will gain an understanding that the study and practice of science are affected and limited by social, economic, technological, ethical and cultural factors. Students will develop awareness that the application of science in everyday life may be both helpful and harmful to the individual, the community and the environment. Students will better understand the usefulness and limitations of scientific method, and its application in other subjects in everyday life. Students will learn that science overcomes national boundaries and that the language of science, used correctly and thoroughly, is universal. Students will develop relevant attitudes, such as a concern for accuracy and precision, objectivity, integrity, enquiry, initiative and inventiveness.

### **COURSE TITLE: Human Biology**

**PREREQUISITE: Science S2**

**CREDITS: 1**

**COURSE CODE: MOE3150HUM**

**COURSE TYPE: Elective**

This biology course provides insight into the functioning of the human body. Students will revisit cell structure and processes as they study the nutritional, digestive, excretory, respiratory, cardiovascular, reproductive and sensory systems. The impact of disease, the environment, licit and illicit drugs on the human body will be examined.

## Science (SC)

**COURSE TITLE: Biology III**  
**PREREQUISITE: Science S2**  
**CREDITS: 1**

**COURSE CODE: MOE3111BIO**  
**COURSE TYPE: Required**

This first senior biology course builds on life science modules in Science I and II. This course provides an insight into biodiversity exchange of energy and matter in organisms, the cycling of matter and energy flow in nature. It is a required course for students who wish to study biology at college level and a prerequisite for Biology II. The essential development of reasoning and problem solving skills is enhanced by laboratory investigations and class discussions.

**COURSE TITLE: Marine Science I**  
**PREREQUISITE: Science S2**  
**CREDITS: 1**

**COURSE CODE: MOE3170MA**  
**COURSE TYPE: Elective**

This course is intended to be an integrated study of marine habitats. Topics covered include the geology of the ocean, the ecology and biology of the reef, waves and ocean chemistry. Application will be made of these topics to current issues.

**COURSE TITLE: Marine Science II**  
**PREREQUISITE: Marine Science I**  
**CREDITS: 1**

**COURSE CODE: MOE4742MAR**  
**COURSE TYPE: Elective**

This course is intended to be an integrated study of marine habitats. An integrated approach to science will be used using the ocean around us. Topics covered include the climate change and the ocean, mangroves and ponds of Bermuda, uniqueness of Harrington Sound. Application will be made of these topics to current issues.

**COURSE TITLE: Biology IV**  
**PREREQUISITE: Biology 1 S3**  
**CREDITS: 1**

**COURSE CODE: MOE4082BIO**  
**COURSE TYPE: Elective**

Biology II is a **college preparatory course** geared to students who intend to pursue the study of biological sciences at college level. It is a more rigorous course than Biology I and it expands on the treatment of many topics introduced in earlier courses. It is strongly recommended that students have completed or be currently taking a senior chemistry course, as the principles of bio-chemistry will be included. Success in this senior level biology course typically requires good reasoning and mathematical skills. Laboratory activities, discussion and research are an integral part of this course. An individual project is a required part of the assessment in this senior course.

**COURSE TITLE: Chemistry III**  
**PREREQUISITE: Science S2, Math S2**  
**CREDITS: 1**

**COURSE CODE: MOE3121CHM**  
**COURSE TYPE: Elective**

This introductory chemistry course provides a foundation for students who intend to study advanced courses in chemistry and biology in preparation for careers in health sciences and engineering. It builds on physical science principles such as matter, bonding and chemical reactions met in the two senior foundation science courses. The introduction to the mole and chemical calculations will require students to apply algebraic methods to equations. Students will be actively involved in the development of chemical concepts through laboratory experiences, demonstrations and multimedia. References will be made to careers involving chemistry.

**COURSE TITLE: Environmental Science I**  
**PREREQUISITE: Science S2**  
**CREDITS: 1**

**COURSE CODE: MOE3140ENV**  
**COURSE TYPE: Elective**

Environmental Science is the study of the interrelationships of organisms and their environment. This course extends students understanding about the environment that was studied during senior school foundation science courses. Some of the areas covered include methods of environmental science, how ecosystems work, various biomes and the impact of people on the environment. Particular reference will be made to issues of importance to Bermuda. Fieldwork and laboratory investigations are essential components of this course.

## Science (SC)

**COURSE TITLE: Chemistry IV**

**PREREQUISITE:** Chemistry 1 S3, Math S3

**CREDITS:** 1

**COURSE CODE: MOE4092CHM**

**COURSE TYPE:** Elective

This is a **college preparatory course** designed to prepare students for smooth entry to introductory college chemistry courses. It is intended for students who have a strong background in mathematics and science. Chemistry II further develops concepts such as atomic structure, organic chemistry and chemical reactions. Equilibrium, energy changes and red-ox reactions are introduced for the first time. There is an emphasis on laboratory investigations. References are made to societal applications and opportunities for related careers. An individual project is a required part of the assessment in this senior course.

**COURSE TITLE: Environmental Science II**

**PREREQUISITE:** Environmental Science I S3

**CREDITS:** 1

**COURSE CODE: MOE4102ENV**

**COURSE TYPE:** Elective

Concepts from Environmental Science I are expanded in this course. Topics studied include energy resources and uses; earth's physical resources such as water, minerals and soils; and biotic resources including food production. Students will examine issues of local and international importance such as land conservation, environmental health hazards, fisheries, eco-tourism and local and global strategies used to protect the environment. An individual project is a required part of the assessment in this senior course.

**COURSE TITLE: Physics III**

**PREREQUISITE:** Science S2, Math S2

**CO-REQUISITE:** Math S3

**CREDITS:** 1

**COURSE CODE: MOE3181PHY**

**COURSE TYPE:** Required

This course is designed to provide students with a sound foundation of principles and techniques of physics. It builds upon concepts developed in physical science modules of Science I and Science II. It is a prerequisite for Physics II and is recommended for students who wish to study sciences, engineering and mathematics at the college level. Opportunities for careers in physics will be presented. An S3 mathematics course is strongly recommended.

**COURSE TITLE: Physics IV**

**PREREQUISITE:** Physics I S3, Math S3

**CO-REQUISITE:** MATH S4

**CREDITS:** 1

**COURSE CODE: MOE4112PHY**

**COURSE TYPE:** Elective

This is a **college preparatory course** intended for students who will study physics and related courses upon completion of senior school. Students will meet major concepts of physics and apply them to specific problems. The ability to understand simple algebraic, trigonometric and graphical relationships is essential to successful completion of this course. The laboratory component will stress science processes and skills and career opportunities will be highlighted. An individual project is a required part of the assessment in this senior course.

**COURSE TITLE: Advanced Placement (AP) Physics 1**

**PREREQUISITE:** IGCSE Physics/Coordinated Science; Extended A\*-C

**CREDITS:** 1.5

**COURSE CODE: CBD3951PHY**

**COURSE TYPE:** Elective

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits.

Twenty-five percent of instructional time is devoted to hands-on laboratory work with an emphasis on inquiry-based investigations. Investigations will require students to ask questions, make observations and predictions, design experiments, analyze data, and construct arguments in a collaborative setting, where they direct and monitor their progress.



## Science (SC)

**COURSE TITLE: Advanced Placement (AP) Physics 11**  
**PREREQUISITE: AP Physics 1**  
**CREDITS: 1.5**

**COURSE CODE: CBD4812PHY**  
**COURSE TYPE: Elective**

**Continuation of AP Physics 1**

**COURSE TITLE: Advanced Placement (AP) Environmental Science 1**  
**PREREQUISITE: IGCSE A\* - C**  
**CREDITS: 1.5**

**COURSE CODE: CBD3961ENV**  
**COURSE TYPE: Elective**

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study.

The following themes provide a foundation for the structure of the AP Environmental Science course: Science is a process, Energy conversions underlie all ecological processes, The Earth itself is one interconnected system, Humans alter natural systems, Environmental problems have a cultural and social context and Human survival depends on developing practices that will achieve sustainable systems.

**COURSE TITLE: Advanced Placement (AP) Chemistry 1**  
**PREREQUISITE: IGCSE Chemistry/Coordinated Science; Extended A\*-C**  
**CREDITS: 1.5**

**COURSE CODE: CBD3941CHM**  
**COURSE TYPE: Elective**

The AP Chemistry course is designed with this College Board Big Ideas' curriculum framework as its foundation will develop a deep understanding of chemistry concepts through the application of the science practices in the required laboratory component of the course. The course devotes 25 percent of instructional time to students performing a minimum of 16, hands-on lab investigations to support the learning objectives in the curriculum framework. Additionally, students are provided with guided inquiry-based labs for at least six of the aforementioned 16 lab investigations. The result will be readiness for the study of advanced topics in subsequent college courses — a goal of every AP course. With the ever-increasing need for innovators, problem finders, and designers of materials, pharmaceuticals, and even new fuels, comes the need for individuals skilled in the science practices and knowledgeable about chemistry. The Advanced Placement (AP) Chemistry course provides students with training for such knowledge and skills through guided inquiry labs, a more focused curriculum on content relevant to today's problems, and an exam that assesses students' mental models of the particulate nature of matter instead of memorization of rules to understand chemistry.

**COURSE TITLE: Advanced Placement (AP) Chemistry 11**  
**PREREQUISITE: AP Chemistry 1**  
**CREDITS: 1.5**

**COURSE CODE: CBD4802CHM**  
**COURSE TYPE: Elective**

**Continuation of AP Chemistry I**

## Social Studies (SS)

**COURSE TITLE: IGCSE Geography I**  
**PREREQUISITE: None**  
**Credits: 1**

**COURSE CODE: AQA1101GEO**  
**COURSE TYPE: Required**

International GCSE Geography is a two-year course which aims to engage students in the process and concepts of physical, human and environmental geography, and to enable them to use geographical skills, appropriate technologies, enquiry and analysis. It also gives students the chance to apply their learning to the real world through fieldwork and other out-of-classroom learning.

**COURSE TITLE: IGCSE Geography II**  
**PREREQUISITE: IGCSE Geography I**  
**Credits: 1**

**COURSE CODE: AQA2102GEO**  
**COURSE TYPE: Required**

This is the second year of the IGCSE Geography two-year programme.

**COURSE TITLE: 20<sup>th</sup> Century History IGCSE I**  
**PREREQUISITE: None**

**COURSE CODE: CAM1601HIS**  
**COURSE TYPE: Required**

This course focuses on the major international issues of the twentieth century and provides a detailed study of the regions which dominated the period from the world wars, to the rise of political dictators, major Cold War conflicts, and to South Africa during and after apartheid. Students have the responsibility of viewing and analyzing videos that assist in the understanding of relevant subject area; being creative in showing their understanding of particular concepts; thinking analytically, and defending and justifying their positions orally and in written form on key issues related to topics studied.

**COURSE TITLE: 20<sup>th</sup> Century History IGCSE II**  
**PREREQUISITE: None**

**COURSE CODE: CAM1601HIS**  
**COURSE TYPE: Required**

This is the second year of the IGCSE 20<sup>th</sup> Century History two-year programme.

**COURSE TITLE: World History**  
**PREREQUISITE: None**  
**CREDITS: 1**

**COURSE CODE: MOE2630HIS**  
**COURSE TYPE: Elective**

The World History course will present students with the opportunity to intellectually engage in the history of human ideas from the Classical and Traditional societies that represent the birth of civilization, beginning with Africa (the birthplace of humanity) through to the Western Expansion of Europe leading to today's contemporary society. The examination and study of the ideas and philosophies behind world events will sensitize and expose students with the goal of understanding the impact of man on his environment and provide students with the opportunity to discuss and analyze the success or failure of various human developments. With a view of creating Bermudian "Citizens of the World," students taking this course will have the option of continuing their studies of this exciting subject with Twentieth Century in Revolution.

**COURSE TITLE: Physical Geography**  
**PREREQUISITE: None**  
**CREDITS: 1**

**COURSE CODE: MOE2641GEO**  
**COURSE TYPE: Elective**

This course will cover a wide variety of geographical areas, with a goal of stimulating interest and developing understanding. Key questions pertaining to physical geography characteristics, the significance of the location of things and their patterns of grouping will be asked and answered. The student will experience a sampling of the types of geography available for further study, including geology, coral reefs, beaches, cliffs and natural vegetation. Special emphasis will focus on the unique habitation of Bermuda, especially as it relates to preservation. Skills pertaining to problem solving, decision-making, planning, mapping, social participation, interpersonal relationships and cultural affairs will be introduced and developed.

## Social Studies (SS)

### **COURSE TITLE: 20<sup>th</sup> Century in Revolution**

**PREREQUISITE:** None

**CREDITS:** 1

This two-credit course takes a focused, critical examination of the twentieth century world and all of its revolutionary changes. Divided into four modules, the course will assist students in developing global awareness of an ever-changing and dynamic world. “The Rise of Dictators,” “Cause and Conflict,” “Africa and the Diaspora: The Road to Independence,” and “South Africa and Apartheid” will come alive with film, readings and energetic discussion. Students have the responsibility of viewing and analyzing videos that assist in the understanding of relevant subject area; being creative in showing their understanding of particular concepts; thinking analytically; and defending and justifying their positions orally and in written form on key issues related to topics studied.

**COURSE CODE: MOE2650TCR**

**COURSE TYPE: Elective**

### **COURSE TITLE: American History**

**PREREQUISITE:** Two credits in Social Studies at S2

**CREDITS:** 1

This is a four-credit course that examines American History beginning with the colonization of the British and enslavement of Africans to its rise and current position as the international superpower in the twentieth century. Divided into five modules (The Colonies, Crisis in the Colonies, North vs. South, U.S. Economic Boom and the Great Depression and Cause and Conflict) the course focuses on understanding cause-and-effect relationships and multiple causation towards assisting students in analyzing movements and events towards developing a global view and a “sense of history.” Students will also be intellectually challenged as they investigate and critique various American conflicts, domestically and internationally, with a parallel focus on the struggle of African Americans and their desire to be a part of the “American Dream.”

**COURSE CODE: MOE3480USA**

**COURSE TYPE: Elective**

### **COURSE TITLE: Human Geography**

**PREREQUISITE:** Two credits in Social Studies at S2

**CREDITS:** 1

Covering a variety of topics, the purpose of this course is to stimulate and develop a deep understanding in Human Geography. Key topics in the areas of population, settlement, demography, planning and migration are to be examined and explored. Dynamic insights will be experienced as students answer key questions related to settlement sites, functions and planning. Students should be expected to be intellectually stimulated and use critical thinking skills to analyze and offer solutions to problems related to settlements, transportation and commerce that affect today’s societal concerns. Valuable, life-long skills will be acquired pertaining to problem solving, decision-making, mapping, social participation and interpersonal relationships. Instructional technologies such as the Internet, mapmaker, survey conductor, digital imagery and GIS will be utilized.

**COURSE CODE: MOE3472GEO**

**COURSE TYPE: Elective**

### **COURSE TITLE: Introduction to Africa**

**PREREQUISITE:** World History

**CREDITS:** 0.5

This is a bold look at African history and African people's origin and development in a historical and topical context. The modules will answer some current questions because the historical background will be looked at in an honest and creative manner. This process will open the student to a perspective of world history which considers how Africa related and contributed to it. The teacher of this course should maintain that all history is a current event, because every event in history, in some way, still affects all humankind.

**COURSE CODE: MOE4290IAF**

**COURSE TYPE: Elective**

## Social Studies (SS)

**COURSE TITLE: Economic Geography**

**PREREQUISITE:** Three credits in Social Studies

**CREDITS: 0.5**

**COURSE CODE: MOE4373GEOGEO**

**COURSE TYPE: Elective**

This course will cover a variety of global economic geographical topics. The purpose is to stimulate and develop a deep understanding in Economic Geography. Key topics in the areas of farming, industry, energy, transport, communications and development are to be examined. Dynamic insights will be experienced as students answer key questions related to economic development. Students should expect to be intellectually stimulated and use critical thinking skills to analyze and offer solutions to problems related to industry and development. Valuable, life-long skills will be acquired pertaining to problem solving, decision-making, planning, mapping, social participation and interpersonal relationships. Teacher planned inquiries will be developed as a means of assessment. Instructional technologies such as the Internet, mapmaker, survey conductor, digital imagery and GIS will be used to produce the product.

**COURSE TITLE: Comparative Religions and Ethics S3**

**PREREQUISITE:** 4 cr. in Soc Studies at S3

**CREDITS: 1**

**COURSE CODE: SS3180REL**

**COURSE TYPE: Elective**

This course is a comparative study of world religions and ethics. In addition to exploring the origins of the world's major religions, this course also examines the origin and development of the philosophical and cosmological basis for selected African religions and spiritual practices. An aspect of this course which will provide students with intellectual stimulation and critical thinking, "Spiritual and Ethical Consideration for a World in Crisis," challenges students to investigate and analyze global situations and suggest solutions based on the practical application of the best of the world's religious, spiritual and ethical practices. In scope, this course encourages high moral thinking in conjunction with intellectual contemplation towards solutions to some of the world's most pressing problems.

## **Career Education (CE)**

**COURSE TITLE: Employability Skills**

**PREREQUISITE:**

**CREDITS: 0.5**

**COURSE CODE: MOE3691ECP**

**COURSE TYPE: Elective**

Employability Skills qualifications are designed to support an individual successfully gaining a job, progressing in a chosen field, preparing the individual for further study and supporting the development of techniques required for successful independent living. These qualifications are aimed at anyone who wants to live a more independent life, progress in education and/or their employment prospects; get into a job, develop on the job or move onto the next job, as they progress along the career ladder.

**COURSE TITLE: SAT Prep**

**PREREQUISITE:**

**CREDITS:0.5**

**COURSE CODE: MOE3610SAT**

**COURSE TYPE: Elective**

This class is designed to prepare students for the SAT. This course will teach students the format of the test and provide both strategies and practice for questions on critical reading, sentence completion, grammar, usage, and writing. In addition to reviewing topics from pre-algebra, algebra, and geometry, students will become familiar with the format of the test and learn strategies. Much time will be devoted to practice problems similar to those on the SAT.

## Student Services (SS)

**COURSE TITLE: Peer Helpers**

**PREREQUISITE:** Permission from Instructor

**CREDITS:1**

**COURSE CODE: MOE4360PER**

**COURSE TYPE: Elective**

This course is for those motivated students who are interested in assisting their fellow students and their community. The objective of a Peer Helper is to assist The Berkeley Institute in becoming a stimulating and safe learning environment. Through intensive training, Peer Helpers become skilled in the following four areas:

1. As a Peer Mediator, Peer Helpers learn to help their fellow students solve conflicts.
2. As a Peer Mentor, Peer Helpers become a mentor to a student in a local primary school.
3. As a classroom assistant, Peer Helpers assist a classroom teacher of their choice with certain classroom duties such as collecting papers, handing out assignments etc.
4. As a student leader, Peer Helpers also help to organize the annual student conference which covers the major issues which affect the students at The Berkeley Institute.