Secondary Programme Syllabus

Upper Years (Grades 10-12)

Ciboney Centre for Excellence Syllabus

Table of Contents

Introduction……3

A summary of the upper year's programme of study

Grades 10, 11, 12 Core Course Syllabuses

English……5

Mathematics……7

Humanities & Social Studies……9

Science……12

Physical Education……16

Foreign Language……16

Fine Arts……17

Electives: Applied Skills……19

Information Technology……22

Technical Education……23

Curriculum Resources……25

Grading and Graduation Requirements……27

Supply List……31

Our Secondary Programme: Focusing on the Upper Years

Adolescence describes the teenage years between 13 and 19 and can be considered the transitional stage from childhood to adulthood. Adolescence can be a time of both disorientation and discovery. This transitional period can bring up issues of independence and self-identity; many adolescents and their peers face tough choices regarding schoolwork, sexuality, and their social life. Peer groups, romantic interests and external appearance tend to naturally increase in importance for some time during a teen's journey toward adulthood.

At Ciboney we strive to develop and support the minds of our young students in such a way that encourages, stimulates, and inspires during the adolescent years. Our programme structures learning around hands-on activities within multi-age settings, in order to maintain the natural interest and curiosity of our students during this critical time of brain development.

A Message from the Principal

Ciboney Centre for Excellence lives to educate the minds and hearts of the students that enter through our doors. Through the work of our dedicated teachers and staff, we are committed to the academic, emotional, and social development of students at this critical time in their lives.

Exceptional upper-level education is substantially different from both elementary and middle school education. At the upper level, students are fine tuning their interests and academic habits, as well as finding their way socially. Ciboney's wide variety of course options is specifically designed to allow students to explore and discover areas of interest they may want to pursue beyond their high school years.

At the same time, students need to be challenged through classes that expand their knowledge and skills so they will solidify academic habits needed to carry them through post-secondary education.

We also recognize the responsibility of providing our students with an environment which will socially and culturally prepare them to participate in a globally interconnected world. Experiences are structured so that students of both similar and different perspectives and cultures will learn together. These academic experiences may be as immediate as in a classroom, or as far reaching as across the globe using the tools of technology. Quite simply, the mixing of cultures happens today throughout the work world and certainly in advanced academic settings. For our students, a sense of intercultural awareness and appreciation will be critical to their success in a global society.

Our hope is for your child to leave Ciboney Centre for Excellence with a promising academic future and a string of wonderful memories of relationships with friends and a caring staff.

Reading through the course descriptions, you'll gain a clearer understanding of offerings at Ciboney.

Laura Fox
Principal

English

English 10 (1 year, core)

At this level, students will fully apply concepts learned across all areas of English while continuing to grow in their quest to become proficient readers and writers. Using the writer's workshop as a format for the course, students will interpret and analyze a variety of meaningful texts through inference, predicting and writing detailed information. Students will be able to speak, listen, interpret, and analyze using strategies they learn in class. Each student will gain proficiency in the 4 types of writing (illustrative, narrative, cause and effect, and persuasive) using peer groupings and Socratic style lessons. At this stage, students will also broaden their vocabulary skills and advance their repertoire of the English language to be applied at a competitive level. Students will have many opportunities to show their proficiency in comprehension and understanding using a variety of assessment tools. They will also continue to differentiate between dialect and standard English.

English 11 (1 year, core)

This year will be considered a revisionary and exam preparatory year where students will begin to challenge their previous knowledge with grammar conventions, written expression, comprehension and oral expression. Students will further strengthen any necessary areas and apply concepts across all areas of English while continuing to grow in their quest to become proficient readers and writers. Using the writer's workshop as a format for the course, students will interpret and analyze a variety of meaningful texts through inference, predicting, critical reading and writing detailed information. Students will be able to speak, listen, interpret, and analyze using strategies they learn in class. Each student will gain proficiency in the 4 types of writing (illustrative, descriptive, cause and effect, and persuasive) using peer groupings and Socratic style lessons and begin to apply research and MLA skills to their writing styles to improve their credibility as writers. Students will also broaden their vocabulary skills and advance their repertoire of the English language. Students will have many opportunities to show their proficiency in comprehension and understanding using a variety of assessment tools and will continue to differentiate between dialect and standard English.

English 12 (1 year, core)

During this exam preparatory year, students will sharpen their skills across all areas of English. Using the writer's workshop as a format for the course, students will interpret and analyze a variety of meaningful texts through inference, predicting, critical reading and writing detailed information. Students will be able to speak, listen, interpret, and analyze using strategies they learn in class. At the completion of this year students should be able to complete a full analytical report of a local, regional, or global issue in any field including the use of primary and secondary sources and be able to begin writing college-level essays. Students will have many opportunities to show their proficiency in comprehension and understanding using a variety of assessment tools and will continue to differentiate between dialect and standard English.

Mathematics

Mathematics 10 (1 year, core)

This course will provide students with the mathematical understanding and critical thinking skills needed for further education. This course includes the topics: polynomials, factoring, linear functions, linear systems, trigonometry, and consumer arithmetic.

Through real-world problems students will be exposed to calculating quantities that are related to consumer arithmetic such as mortgages, depreciation, interest salaries, and investments. In the statistical aspect of the course students will work to represent data, make comparisons using venn diagrams, and construct other statistical diagrams determining measures of central tendency of discrete and grouped data. Probability, both experimental and theoretical, will be explored and using algebraic symbols and factorising algebraic expressions. In geometry and trigonometry, students will solve problems using properties of various shapes and will use trigonometric ratios in the solutions of right-angled triangles to complete the core for the course. Students will also work on solving problems using matrices.

Mathematics 11 (1 year, core)

This course builds on concepts covered in Mathematics 10. It is designed to provide students with the mathematical understanding and critical-thinking skills. Topics include financial mathematics, geometry, trigonometry, number, logical reasoning, relations and functions, and statistics and probability.

Students will begin to explore quadratics: solving simultaneous equations and quadratic equations. Students will work at length with quadratic functions including solving them, drawing and interpreting graphs, and analysing composite functions. They will learn to use linear programming techniques to solve problems involving two variables and simplify algebraic fractions. In geometry, students will determine the bearing of one point relative to another, use vectors to solve problems and work on translating shapes through various axes.

Mathematics 12 (1 year, core)

This course builds on the concepts covered in Mathematics 10 and Mathematics 11. Students will begin to explore the world of polynomial and rational expressions, performing all four operations as well as factoring polynomial expressions. Students will learn about the Remainder Theorem and Factor Theorem which they will apply in solving problems. They will become

familiar with surds and perform operations as well as rationalization of denominators. Laws of indices will be learned and applied to solve exponential equations with an unknown, and students will solve logarithmic equations. The final aspect of the course will involve calculating the sums of arithmetic and geometric series to a given number of terms.

Humanities

History 10 (1 semester, core)

The Indiginous Peoples to Emancipation

In this course students will learn about the migratory and settlement patterns of the indigenous peoples in the Caribbean, inclusive of the arrival of groups after including the Europeans and the Africans. They will learn of the social, political and economic practices of the indigenous peoples in the Americas up to 1492, and the factors that led to the arrival of Columbus and the Europeans. The enslavement of Africans in the Caribbean, and the Trans-Atlantic trade will be a key point of study, and the impact and contributions it made within the region. Reasons for the change from tobacco to sugar and logwood to mahogany will be explored, as well as the social, political, and economic consequences those changes produced. The course will conclude with the lead up of revolts, attitudes, and actions within the Virgin Islands and the entire Caribbean region, which eventually ended in Emancipation.

Social Studies and Geography 10 (1 semester, core)

In the Social Studies section of the course, students should become aware of the global issues and institutions which influence his/her life and the development of the region. Students will define and correctly use major terms and concepts associated with communication, describe the various forms of communication used in the Caribbean, and explain how forms and media of communication are influenced by geographical, socio-cultural and technological factors. They will complete the unit of study looking at Consumer Affairs issues both within the region and globally.

On the completion of this Geography component, students will acquire practical skills and techniques in drawing sketch maps and diagrams and in reading and interpreting maps, photographs, tables and graphs which give geographical information. Students will also develop their abilities to locate places using four- and six-figure grid references, measure grid bearing, measure straight and curved distances, draw and interpret cross-sections, calculate gradients, and recognize landscape features. They will complete the course of study with a look at Weather Systems.

History 11 (1 semester, core)

Post Emancipation to Current Day Development and Society

This course will take an in-depth look at the Caribbean, post Emancipation. It will begin by looking at the Caribbean economy and the impacts Emancipation had, as well as opportunities it created for the sugar, agricultural, and tourism industries in the years from 1875-1985. They will also explore the reasons for the involvement of the United States within the Caribbean region, and the foreign policies they developed, as well as the impacts it had on economics, politics and culture. A closer look will be taken into the political development of the region, as well as the social developments that emerged during this pivotal century, inclusive of housing, lifestyles, visual and performing arts, and religion.

Social Studies and Geography 11 (1 semester, core)

The Social Studies component of this course will take a more in-depth look at the environmental, political, and economic policies of the Virgin Islands and the greater world. Discussions on domestic and international conflicts, as well as cooperations between nations will be covered. A study of how mass media portrays current issues, especially politics, on a local, regional, national, or global scene will be conducted and evaluated for authenticity.

In Geography students will explore natural resource use on the local, regional, national and global scene as it relates to development. Leading on from that will be an in-depth look at some of the global biomes of the world, specifically studying their climate, soil, and vegetation. Students will complete the course by exploring the world of plate tectonics and the concept of gradation in the geological world.

History 12 (1 semester, core)

In this course, students will explore all of the impressive and rich history of the 20th century world. They will explore the various Wars that took place (WW1, WW11, Vietnam War, Cold War), and the events that led to them, the consequences of them, what areas of the world were involved and why. They will also explore the major social events in that time frame such as the Great Depression, the Civil Rights movement, and the Space Race, and their impacts globally.

Social Studies and Geography 12 (1 semester, core)

In the Social Studies section of this course, students will investigate political and electoral systems around the world. Branching into the realm of social justice, students will explore methods used by individuals, groups and organizations to promote such as cause.

In the Geography component of the course, students will start by studying the distinguishing features of the atmosphere, hydrosphere, cryosphere, lithosphere, biosphere, and anthroposphere, and the connections that exist between them. Through current examples in our ever changing climate, students will discuss and dissect our natural resources and their true sustainability in this ever changing climate. Leading on from that branch will come the study of natural disasters, their increasing frequency, and the effects they are having on both human and natural systems.

Virgin Islands History

Grades 10-12 (1 semester, elective)

In this course, students will explore and discuss the timeline of the Virgin Islands from discovery and the first settlers to present. Aspects such as economy, population change, way of living, land ownership, legislation changes, infrastructure development, transportation, and governance will be addressed. Students will also learn about the history of the nomenclature of areas, passageways and channels throughout the Virgin Islands. The relationship with the neighbouring US Virgin Islands will also be explored.

Science

Biology 10 (1 semester, core)

Biology 10 is a life sciences course designed to study living organisms and their physical environment. Students will apply scientific methods of inquiry, projects, games, and research towards the study of taxonomy, ecology, biogeochemical cycles, and the plant and animal kingdoms, with both vertebrate and invertebrate studies. They will use microscopes to examine cells and microscopic organisms, facilitate experiments, and deliver research presentations. They will also conduct dissections and field investigations, record data, and learn through observation, journaling, and by practicing scientific inquiry.

Biology 11 (1 semester, core)

Biology 11 is a life sciences course designed to study the many life processes of organisms: feeding and digestion, respiration, gas exchange, excretion, osmoregulation, and homeostasis. Through experimentation, animal sensitivity and coordination will be explored, incorporating observation techniques and report writing. A heightened look at the ear and eye will be done. From life processes, students will dive into the world of heredity and genetics, including mitosis and meiosis. Models will be built to demonstrate the cell changes, and panel discussions will debate and discuss genetic traits and aspects of heredity. Towards the end of the course, students will dive into variation and the evolution of species.

Human Anatomy & Physiology 12 (1 semester, core)

This course is a study of the human body's unique systems. Students will learn the structure and function of all body systems, diseases affecting the body, and career opportunities related to human physiology. They will explore various lifestyles and how they affect human health and imbalances in homeostasis. An in-depth look will be taken at biological molecules, DNA and the cell's genetic information, gene expression, and genomics and biotechnology. They will also conduct dissections and field investigations, record data, and learn through observation, journaling, and by practicing scientific inquiry.

Chemistry 10, 11 and 12 (1 semester, core)

Chemistry 10

This course is to introduce students to the world of Chemistry and conducting experiments. Students will revise and delve deeper into topics previously covered including states of matter, atoms and elements, the periodic table, mixtures, and acids, bases and salts. Students will learn about electronic configuration, isotopes and ionic and covalent bonding (using Lewis dot structures). Math concepts will be utilized as students explore balancing chemical equations, and Redox reactions including computing oxidation states. Application will be done through laboratory experiments where students will also learn about laboratory safety and revise SI units and significant figures.

Chemistry 11

This course is designed for students to apply Mathematical concepts to the field of Chemistry. Students will learn about the Mole concept and perform calculations involving the mole. This course will cover endothermic and exothermic reactions, and rate of reaction and students will develop the skills to compute exercises within these concepts. The topic of Electrochemistry will also be introduced. Application will be done through laboratory experiments where necessary.

Chemistry 12

This course is designed to introduce students to the fields of organic and inorganic Chemistry. More specifically, students will learn about organic compound formulas, homologous series, isomers, alkanes and alkenes, and the functional groups and properties of alcohols, acids and esters, especially ethanol. Students will also be introduced to the formation and reaction of polymers. In inorganic chemistry, students will take a further look at the characteristics, reactivity, uses, and environmental impact of metals and non-metals and be introduced to the qualitative analysis of cations, anions, and gases. Application will be done through laboratory experiments where necessary.

Physics 10 (1 semester, core)

Physics is the science which is concerned with the study of motion, matter and energy. It seeks to explain the behaviour and interrelationships of motion, matter and energy through the application of mathematics and observation in the laboratory. In this course students will experiment to identify different types of forces and explain the effects the forces have on objects. They will also learn how to determine weight of objects and how to show the right quantities. The concept of index notation will be introduced. Students will explore situations in order to prove the application of a force can result in a turning effect.

Physics 11 (1 semester, core)

This course will use math to discover and explain natural phenomena. Topics will include kinematics, forces, energy, momentum, electricity and waves. Students will learn about the principle of moments and apply it to situations. They will gain experience locating the centre of gravity of a body, and solve problems using Hooke's law. Newton's Three Laws of Motion will be covered, and key vocabulary such as distance, displacement, speed, velocity, and acceleration will be learned. Students will gain exposure graphing displacement-time and velocity-time, and will apply the law of conservation of linear momentum.

Physics 12 (1 semester, core)

In the final year of Physics, students will venture into more complex processes. They will compute gravitational field strength, and learn about the inverse square law. They will explore efficiency in physics settings, and calculate it in given situations. Archimedes' Principle will enable them to predict whether bodies would float or sink in given fluids, which would be computed mathematically. Electricity and magnetism concepts will be explored in further depth through induction, magnetic fields, and induced EMF and ac generators. This course will give students a firm footing for furthering their academic experience in the sciences.

Earth and Environmental Science 10 (1 semester, core)

Earth and Environmental Science explores how humans interact with the living and nonliving parts of the environment. This course explores earth systems while helping students to anticipate the long-range environmental consequences of human actions, generate solutions for dealing with environmental problems, and maintain a livable and sustainable relationship with the environment. Students will create models, execute experiments, conduct field ecology research, and create theatrical simulations of environmental phenomena. Specific topics of focus include the Earth's geologic, aquatic, atmospheric, soil, and ecological systems. Students will also study the origin and evolution of the universe, geochemical cycles and energy.

Earth and Environmental Science 11 (1 semester, core)

This course is a continuation of Earth and Environmental Science 10, where students continue the line of study and exploration, this time focusing on the topics of human systems, such as transportation, agriculture, mining, forestry, and fisheries. They will explore the various methods used in these human systems, and will explore environmental impact, doing in-depth research in one area of interest, culminating in a presentation of their findings to a mock board of scientists.

Earth and Environmental Science 12 (1 semester, core)

This course focuses on endangered species, ecosystem health, atmospheric change and water supply issues. An ecosystem approach will be utilized to develop the major ecological concepts, environmental complexities and relevant, up-to-date environmental issues. On completion of this course, the students should have a thorough conceptual understanding of how natural systems work and how they are sustained. Students will also be aware of how environmental degradation is the direct result of human actions, which are contrary to natural systems.

Physical Education

Physical Education 10, 11, 12 (each year, core)

Students will participate in a variety of physical activities in an effort to increase the likelihood that they will be active throughout their lives. They will learn the importance of making healthy choices, and their impact on their physical, emotional, and mental well being. Students will work to develop fitness goals, and will strive to achieve them. Component areas of the course will be in active living, fitness and conditioning, and outdoor education. The students will learn the physiological, psychological and cultural benefits that may result from regular participation in physical activity. Students will be expected to dress out and participate in all activities.

Foreign Language

Spanish 10, 11, 12 (each year, core)

Students will continue learning the Spanish language, focusing both on both oral and written language. A continuation of vocabulary development, verb conjugation, sentence formation and translation will be a core component of the course. Students will also engage in furthering oral development through conversations, presentations, competitions, and reading aloud. Spanish-speaking and other world cultures will be explored and students will make cultural and linguistic comparisons with their own. Connections with other subjects (science, social studies, etc.) will be made through the language throughout the year. We will also explore opportunities to use the Spanish language outside the classroom in a larger community. By the time they leave Ciboney, students will exhibit mid to high level fluency with the Spanish language.

Fine Arts

Music 10, 11, 12 (1 year, core)

A core pillar at Ciboney, students will be exposed to a variety of musical experiences including choral, contemporary, and instrumental music. Each student will be assigned an instrument to play as a member of the school band. Theory such as composition and production will also be covered as students move through the discipline in many facets.

Musical Theatre (1 semester, elective)

In this course students will explore and create musical theatre performances, combining conventions from music, drama, and dance. By experimenting with a range of props, processes, and technologies, performances will be refined in innovative ways. Students will come to understand the roles of performers, crews, and audiences, in a variety of contexts. As the course progresses students will also come to know about the contributions of innovative artists from a range of genres, contexts, time periods, and cultures.

Drama (1 semester, elective)

In this creative course students will explore dramatic elements (character, time, place, plot, tension, etc.), principles, vocabulary and symbols. They will work to develop skills specific to a dramatic genre or style, and come to understand the roles of the performer, audience, and venue. They will also learn of the history of dramatic genres, including their roles in historical and contemporary societies. The terminology and principles of strong theatre will be covered. Students should be prepared to develop and perform a variety of scenes and critique live performances. Projects may include monologues, two person scenes and large group presentations. Skill development will focus on voice control, gesture, stage movement, improvisation and script work.

Media Art (1 semester, elective)

Students will explore the elements and principles of design and image development strategies through a variety of media technologies. They will explore materials, processes, and techniques in media arts, as well as production skills from pre- to post- production. Ethical, moral, and legal

aspects of media arts technology will also be addressed, inclusive of cultural appropriation and plagiarism.

Applied Skills, Designs, and Technologies

Business Education

Entrepreneurship and Marketing (1 semester, elective)

Students will begin to understand the basics of entrepreneurship, and the opportunities that exist within it. Through hands-on experiences both in and out of the classroom, students will decipher the difference between invention and innovation, and become exposed to creative ways one can add value to an existing product or idea. The issues of customer needs, wants, and demands will be explored, as well as forms of marketing and ethical strategies. The course will culminate with a project-based "Dragon's Den" setting, encouraging the students to apply all concepts learned to pitch a product to a team of evaluators.

Accounting (1 semester, elective)

Students will learn about the role accounting plays in the business world, as well as will discover various careers and job opportunities within the field. Basic accounting principles will be taught where students will learn to source documents, read ledgers, distinguish between accounts payable and receivable, as well as trial balances. Students will learn to prepare basic financial documents and statements and how to reference them in the decision making process.

Tourism (1 semester, elective)

In this course students will learn about the value and impact of tourism including sustainable tourism. Students will also learn about the design for tourism and hospitality services and products. They will investigate factors that influence tourism products and services, as well as consumer choices. Students will work to explore evolving sectors within the tourism market, both within the British Virgin Islands, as well as internationally. Working in conjunction with the British Virgin Islands Tourist Board, students will learn through hands-on experience the necessary hospitality and communication skills to interact effectively with local and international tourists.

Legal Studies 12 (1 semester, elective)

Grade 12

This course is designed to develop the legal knowledge, skills, and confidence students need to thrive and succeed as informed, empowered, and civically-engaged community members. In class they will learn about key areas of law such as criminal law, civil law, contract law, and family, children's, and youth law. Students will participate in field studies to court systems, as well as engage guest speakers within the field. As part of this field of study, students will also learn about legal documentation such as contracts, leases, loans, and home and land purchasing contracts. Lessons are designed to boost participant knowledge and build key life skills, like conflict resolution, decision-making, communication, negotiation, analytical thinking, and advocacy. Areas covered will help students relate better to the laws of the world in which they live.

College Preparatory 101: Preparing for College Success (1 semester, core)

Grade 12

In this course students will be navigating the world of preparations for tertiary education. Through a variety of hands-on activities, and visits from guests, students will learn the how-tos of filling out college applications, scholarship applications, and financial aid applications. With instructors and other people in the field, students will participate in round table discussions and role play about transitions, culture shock, college life, drugs and alcohol, and financial management. There will also be opportunities for college tours (local, and virtually for international).

Home Economics and Culinary Arts

Culinary Arts (1 semester, elective)

Students will learn about best practices in the culinary world, inclusive of various cooking methodologies. Through hands-on experiences, students will execute recipes through the preparation of a variety of foods. They will examine the effects of heat on the different foods/ food groups and look at personal hygiene as it relates to food service. They will also learn some basics of how artistic expression is brought forward through cuisine. Safe food practices and the importance of waste management and recycling will also be components covered in the course. Students will investigate the factors that contribute to food spoilage and contamination and follow the hygienic practices followed during food preparation. On the other hand, they will learn skills like chopping, kneading and whisking while preparing cakes, quick breads, fruits and vegetables and sweet and savoury doughs.

Clothing & Textiles (1 semester, elective)

Students will explore simple textile designs, observing the properties of fabrics. Students will learn about the factors that affect textile choice, depending on the projects being executed. Learning the correct way to operate and experiment with a variety of tools in order to create various projects will be important throughout the course.

Home Management (1 semester, elective)

In this course, students will be exposed to the basics of running and managing a home. Through hands-on activities and guests, students will explore the topics of budgeting and balancing a cheque book, fundamentals of child care, safety issues in the home, and standard table setting. Students will participate in round table discussions on topics that revolve around lifestyle management, conflict resolution, work ethics and career, and consumerism. Upon completion of this course, students should have a solid grasp on the basics of running a household in the society they will live in.

Information Technology

Media Design (1 semester, core)

Students will be well versed in the appropriate use of technology, including digital citizenship, etiquette, and literacy in this course. Students will explore design opportunities, media technologies for image development and design, as well as the various elements of design. An understanding of the ethical, moral and legal considerations associated with using media arts technology for image, video, and sound development will be discussed through open dialogue sessions. Finding the balance of aesthetic design with logical reasoning and practical application will be learned through peer feedback and that of experts in the field. The culmination will be bringing a project through the various stages to completion for a mock "client."

Web Design (1 semester, core)

This course will allow students to create websites through XHTML and CSS coding using both a WYSIWYG Editor and a Code Editor. Concepts in animation and graphic manipulation will be taught using Adobe Flash and Fireworks. Students will also learn about the legal issues surrounding copyright, Creative Commons, fair use protocols for media and content, and ethics of cultural appropriation. Security and privacy implications will be highlighted. Leadership and employability skills will also be incorporated.

Programming (1 semester, core)

Students will build their own websites, apps, games, and physical computing devices. The course takes a wide lens on computer science by covering topics such as programming, physical computing, web development, design, and data. This course is an excellent opportunity to introduce students to the world of ADST, computational thinking and coding. Students will learn the basics of a variety of programming languages and how to create and modify code to meet a particular purpose. This is a hands-on course that will give students the ability to thrive in a digital world applying digital citizenship, etiquette, and literacy.

Technical Education

Drafting and Technical Drawing (1 semester, elective)

Students will be engaged in simple drafting design projects where they learn geometric construction in order to create drawings and images. Students will learn about scale and proportion, as well as geometric dimensioning in both imperial and SI units. This course allows for students to apply concepts of geometry, trigonometry, and algebra previously learned.

Electronics and Robotics (1 semester, elective)

In this hands-on course, students will be exposed to electrical theory through the creation of parallel and series circuits. They will become familiar with electronic diagnostic and testing instruments and will construct sequences based on drawings and scenarios given. Students will then carry that knowledge acquired to work with basic programming and coding of robotic structures.

Engineering (1 semester, elective)

In this course, students will be exposed to both the theory and practical side of basic engineering. They will look at the history of manufacturing and production, as well as the work behind the development of products, including sustainable methods such as upcycling. Fundamentals and programming languages of robotics and computer numerical control will be introduced, to couple alongside the physics component. Students will work to create models and simulations applying concepts learned throughout the course.

Woodwork (1 semester, elective)

Students will be exposed to more advanced woodworking and design, working with various measuring instruments in both drawings and the execution of projects. Students will learn to operate basic tools, and come to understand the different types of wood suitable for different projects. Students will create various projects that will teach different skills and tool usage.

Automotive Technology (1 semester, elective)

In this theory and hands-on course, students will learn about simple automotive repair and maintenance. They will explore responsibilities associated with operating a motor vehicle whilst gaining familiarity with information and manuals for the purpose of diagnosis and repair. Students will learn to use and operate fundamental automotive tools and equipment and will be exposed to the fundamentals of engine operation.

Resources for Secondary Curriculum

English

Novels:

The Catcher in the Rye by J. D. Salinger

The Great Gatsby by F. Scott Fitzgerald

Peace Like a River by Leif Enger

Of Mice and Men by John Steinbeck

Black Like Me by John Howard Griffin

Shakespeare:

A Midsummer Night's Dream

Macbeth

Othello

Other classics

Grammar:

SAT and CSEC Secondary Preparation Texts

Mathematics

Mathematics a complete course by Raymond Toolsie

Prentice Hall Mathematics Course 3

Core Maths for Advanced Level by Bostock & Chandler

History & Humanities

Skills in Geography by V.A.Rahil

The Caribbean People Third Edition by Lennox Honychurch

Modules in Social Studies- Rampersaud Ramsawak & Ralph R. Umraw

Longman Caribbean School Atlas for Social Studies, Geography and History

Science

CXC Biology - Linda Atwaroo-Ali, MacMillan Science Series

Glencoe Science Biology - McGraw-Hill

Chemistry for CXC - Norman Lambert and Marine Mohammed

Prentice Hall Chemistry - Wilbram, Staley, Matta, Waterman

Holt Physics

Foreign Language

Basic Spanish- Dorothy Richmond

VIVA! Spanish Series - S. Moodie & Dr. De Rondon

Dime Mucho Mas Series - Malva J. Lewis, Yolanda E. Nelson-Springer, Erskine Padmore

Grading

Grading System

Numerical grades are given in all classes. The minimum passing grade is 60 and the maximum grade is 100. This is also how GPA will be calculated.

A			B			C			D			F
+		-	+		-	+		-	+		-	
100-97	96-93	92-90	89-87	86-83	82-80	79-77	76-73	72-70	69-67	66-63	62-60	Below 60 percent
Excellent			Above Average			Satisfactory			Below Average			Failure
4 Points			3 Points			2 Points			1 Points			0 Points

Report Cards / Progress Reports

Progress Reports / Conferences will be conducted at the end of the 1st and 3rd quarters. Report cards will be issued at the end of each semester. Reports can be provided digitally, or in print. Please notify the school office of your preference at the beginning of the school year.

Academic Recognition

Honour Roll

To achieve honour roll, a student must earn a grade of 85 in all subjects.

Distinguished Honour Roll

The student must earn a grade of 93 or better in all subjects.

Examinations and Credit System

From Grade 10, students will begin preparation for external exams, earn credits, and earn community service hours.

Assessment strategies will vary according to subjects, but will encompass the following: essays, exams, reports, projects, presentations, performances, laboratories or workshops, resource development, artwork, creative design tasks, quizzes, tests and more.

The workload for each school year will be 25 credits (20 credits minimum), per academic year. Credit allotment to courses will be based on the number of hours per week involved with the subject, on a yearly basis.

For example:

Course Awarded	Hours per week	Hours per Year	Credits
English	4	144	4
Mathematics	4	144	4
Social Studies/Human.	4	144	4
Sciences	4	144	4
Spanish	2	72	2
Music	2	72	2
IT/EDPM	2	72	2
Electives	1	36	1
Industry Skills	1	36	1

Student performance will be measured using Grade Point Average (GPA). Students who successfully complete all courses will earn 25 credits for each year. The cumulative GPA is calculated for Secondary School level courses based on the number of credits received on a 4.0 (unweighted) scale. The typical unweighted system awards the same credit for regular, honours, or advanced placement classes. Credits will be earned once students are successful in the course. The GPA scale that will be in place can be seen above (in the grading section).

In the grade 11 year, students will be preparing to sit the following exams:

- School Leaving Exams - Mathematics, English (BVI Exit Proficiency Exams) (November)
- CXCs - Students will sit a minimum of 3 subjects (English, Math, EDPM or IT), and will be permitted to sit up to five after discussion with teachers (May)

In the grade 12 year, students will be preparing to sit the following exams:

- SATs - for students planning to attend tertiary education in the United States (November)
- CXCs - for those who have not completed their five in the Grade 11 year
- CAPEs - students who have completed CXCs will write three CAPEs in field of speciality

NOTE: Some students who have completed substantial coursework will also be eligible for dual enrollment at the HLSCC for select courses once recommended by a teacher/principal

GRADUATION REQUIREMENTS,

Upon Completion of Grade 12:

- Students should receive a minimum of 75 credits for completed coursework as follows:

    - English - 12
    - Mathematics - 12
    - Social Studies / Humanities - 12
    - Sciences - 12
    - IT/EDPM - 6
    - Music - 6
    - Spanish - 6
    - Electives - 6
        - (Visual Arts, Woodwork, Technical Drawing, Clothing & Textiles, etc)
    - Industry Skills - 3
        - (Tourism, Entrepreneurship, Financial Services, Culinary)

- All students must earn an awarding of PASS in the Exit Proficiency Exams (English and Mathematics)
- All students must pass a minimum of FIVE (5) CXC CSEC examinations (3 mandatory: English, Math, ICT or EDPM)
- All students must complete 120 hours of community service
- Students (throughout grade 10-12) must attain a final grade of no less than D- (60%) in Math, English, Social Studies, Sciences, and electives.

Supply List

The following items are required by all students for the upcoming academic year:

~ personal laptop computer

~ scientific calculator

~ No. 2 pencils

~ Ball-point pens

~ Highlighters

~ Pencil Sharpener

~ Coloured pencils

~ A ruler with English and metric measurements

~ Spiral bound or other notebooks

~ Loose-Leaf (college ruled)

~ Several three-ringed binders and dividers

~ A protractor

~ Index Cards (ruled and unruled)