

Grade 10 Curriculum Overview

Content	
1	English A (Language)
2	English B (Literature)
3	Mathematics
4	Biology
5	IT
6	Spanish
7	Humanities
8	Visual Arts
9	PE
10	РоВ
11	Physics
12	Chemistry
13	PSHE

International Baccalaureate Organization (IBO)

Since 2009, IA has been proud to be part of a family of over 3500 schools globally that offer the International Baccalaureate Diploma Programme (IBDP). The IBDP is a post-16 course, but the knowledge and skills required to become an IBDP student starts from a strong secondary education. The IB Learner Profile aims to develop internationally minded junior scholars, who recognize our common humanity and shared guardianship of the planet from a young age. Teachers strive to plan lessons that incorporate the IB Learner Profile below:

Inquirers	Knowledgeable	Thinkers	Communicators	Principled
Open-minded	Caring	Risk-takers	Balanced	Reflective

<u>Curriculum Philosophy</u> - As an international school, with staff and students from all over the world, IA is proud to offer an academic programme that draws on aspects of IBO, European, North American and Caribbean Curriculums. Our aim is to create 21st century students who are able to adapt to any learning or employment institution they choose.

<u>Knowledge and Skills -</u> At IA, we believe knowledge is power! A student feeling knowledgeable is key to building life-long self-esteem and confidence. However, in a 21st century world where knowledge can be just a click away, skills are imperative. At IA, we pride ourselves on teaching our young people how to solve real-life challenges. We encourage our students to analyze and evaluate information from different perspectives and reach objective conclusions.

<u>Assessment for Learning -</u> At Secondary level the students are assessed in a number of ways and they require 70% to 'Pass'. Summative assessment takes place in the form of end of unit or end of term formal exams. Formative assessment happens continually throughout the year in the form of class and homework. Students are accustomed to peer and self-assessment and are sometimes marked for group/team work. This is common practice in work places and can be a very powerful tool for self-improvement. Most courses also award marks for organization and there is also an effort grade recorded on the termly report cards.

<u>**Class Time**</u> At IA, we aim to plan our lessons backwards! Teachers plan learning activities based on the skills and knowledge the students should have acquired by the *end of the class*. Students are exposed to a wide variety of kinesthetic, visual and auditory activities. They have regular opportunities to work alone, in pairs and in groups. They are encouraged to present their work to their peers and to be proud of their achievements.



<u>Homework -</u> At secondary level, students are set several pieces of homework per week. Students are required to record the tasks and their due dates in their planners/agendas and they should be signed by a parent at the weekend and returned to the homeroom teacher on Mondays. The school operates a 'Zero for late work' policy although some teachers do allow 1 'Get out of Jail Free' card!



Subject CSEC English A	Grade 10
Teacher: Tori Ryan	Email: tryan@islandacademy.com

This course is designed to prepare students to successfully complete the CSEC English A examination. As such, students will focus on improving their academic and creative writing skills. Students will complete grammar practice daily as well as read model texts designed to scaffold their ability to write fluently in a variety of genres. The course will be taught separately from the English B curriculum but was designed in tandem to support students' overall readiness for the CSEC exams. Some assignments will directly relate to the reading assigned in their literature course and students are encouraged to make cross-curricular connections. Students will complete grammar and creative writing exercises throughout the year and complete sample examinations in addition to the following devoted units:

Topics and Skills Overview

Term 1 Unit 1: Introduction to English A

Unit 2: Using MLA format and academic integrity

Unit 3: Drama and writing for an audience

Unit 4: Summarizing and paraphrasing main ideas

Term 2

Unit 5: Clear communication and expository texts

Unit 6: Characterization, literary devices, and narrative writing

Term 3

Unit 7: Rhetorical devices and persuasive writing

Unit 8: Writing for the Future (academic/vocational)

Unit 9: Grammar Review

Each term will include ongoing vocabulary, grammar, and language practice.

Grading Policy		
Class participation	10%	
Homework, classwork	30%	
Tests, quizzes, essays, and projects	40%	
End of term exam	20%	

Independent and Home Learning

CSEC is a very demanding curriculum. Students will have nightly homework assignments, ranging from readings (with note-taking) to presentation development to quiz or test preparation.

Students should plan to dedicate one to two hours per night to English assignments.



Subject English B (Literature)	Grade 10
Teacher: Jenna DiCocco	Email: jdicocco@islandacademy.com

- Improve writing and analytical skills
- Hone close reading skills and understand how context influences a story
- Study texts and build skills in preparation for the 2023-2027 CSEC English B exams
- CSEC-Required Drama Text #2 studied:
 - o Twelfth Night by William Shakespeare

Term 2: Topics and Skills Overview

- Improve writing and analytical skills
- Hone close reading skills and understand how context influences a story
- Study texts and build skills in preparation for the 2023-2027 CSEC English B exams
- CSEC-Required Drama Text #2 studied:
 - o Anansi by Alistair Campbell
- CSEC-Required Prose Text studied:
 - o Animal Farm by George Orwell

Term 3: Topics and Skills Overview

- Improve writing and analytical skills
- Hone close reading skills and understand how context influences a story
- Study texts and build skills in preparation for the 2023-2027 CSEC English B exams
- CSEC-Required Prose Texts studied:
 - o For the Life of Laetitia by Merle Hodge
 - o 10 prescribed short stories for the 2023-2027 exams

Assessment Criteria

Students are graded based on their homework, classwork, quizzes, class participation, essays, and tests as follows:

- Homework = 25%
- Classwork = 15%
- Quizzes and projects = 20%
- Essays and tests = 20%
- Participation = 20%

Independent and Home Learning

CSEC is a very demanding curriculum. Students will have nightly homework assignments, ranging from readings (with note-taking) to presentation development to quiz or test preparation. Students should plan to dedicate one to two hours per 40-minute class period to English B assignments.



Subject Mathematics	Grade 10
Teacher: Sean Bhadrinath	Email: sbhadrinath@islandacademy.com

Term 1: Topics and Skills Overview Number Theory: Operations, HCF & LCM, Ratio, Indices, Sequences, Bases Consumer Arithmetic: Profit & Loss, Interest & Depreciation, Exchange rates, Salaries, Wages, Taxes, Utilities Sets: Describe sets, Interpret sets, Represent sets, Venn diagram Measurement: Estimating, Perimeter, Area, Circles, Surface Area, Volume, Units Error Intervals, Speed distance time		
Term 2: Topics and Skills Overview Statistics: Data, Displaying Information, Averages, Cumulative Frequency, Probability theory, Combining probability Algebra: Combining expressions, Binary, Expanding & Factorising, Change the subject, Solving equations, Variation Relations Functions Graphs: Equations of graphs, Inequalities, Functions, Travel Geometry: Lines, Angles, Parallel, Triangles, Quadrilaterals, Constructions, Similarity, Congruence, Pythagoras		
Term 3: Topics and Skills Overview Transformations and Trigonometry: Calculating angles and lengths, Trigonometric ratios, Trigonometry with bearings, Sine rule, cosine rule, Transformations, Vectors and Matrices: Vector concepts, Column vectors, Magnitude, Scalar, Collinearity, Matrix operations, Determinant & Inverse, Transformations with matrices, Algebra with matrices		
Assessment Criteria Students' grades will be made up as follows: 30% Topic Tests 20% Homework 20% End of term tests 10% Participation 20% Classwork		

Independent and Home Learning

Students will be given approximately 1-2 hour homework each week. Students must understand that to achieve their potential they need to tailor their independent learning appropriately. If they have struggled with a topic in class, they must go home and revisit the work. The set homework is assumed to be accompanied by personal weekly revision.



Subject Biology	Grade 10
Teacher: Karol Lyn Edwards	Email: karollynedwards@islandacademy.com

- 1. Interdependence among living organisms- classify organisms into their taxonomic groups
- 2. Cells- Compare structure and function of plant and animal cells
- 3. Food and Nutrition in Humans- relate the structures of the alimentary canal to their functions
- 4. Enzymes- explain the role and importance of enzymes
- 5. Photosynthesis- Describe the process of photosynthesis in plants
- 6. Respiration- distinguish between breathing, gaseous exchange and respiration

Term 2: Topics and Skills Overview

- 7. Transport in humans and plants- explain the importance of transport systems in multi-cellular organisms. Describe the structure and function of the transport system in humans and plants
- 8. Excretion/Osmoregulation- Relate the importance of the kidneys to excretion and osmoregulation.

Term 3: Topics and Skills Overview

- 9. Movement: Mechanisms and roles relate the structure of the human skeletal system to its function.
- 10. Coordination and response in plants and animals- using named receptors, explain the relationship between the receptor, CNS and effector.
- 11. Mitosis- Asexual reproduction, growth and development- Describe the importance of mitosis and explain its importance in asexual reproduction and growth.

Assessment Criteria

Tests and quizzes 30% Labs 15% Presentations, assignments, homework and projects 20% Participation 5% Final exam 30%

Independent and Home Learning

Students are expected to do all reading and book questions that are assigned on their course outline given the first day of classes. All other projects, assignments and labs will be assigned as relevant.



Subject: Information Technology	Grade: 10
Teacher: Taurean Allen	Email: tallen@islandacademy.com

By the end of term 1 Students should have covered the following:

- 1. Social and Economical Impact of Information and Communications Technology (ICT): to analyze and understand ICT's impact in order to make informed decisions.
- 2. Word Processing and Web Page Design: to create a web page

Term 2: Topics and Skills Overview

By the end of term 2 Students should have covered the following:

- 3. Spreadsheet: modeling data with spreadsheets
- 4. Database management: be able to design a database management system

Term 3: Topics and Skills Overview

By the end of term 3 Students should have covered the following:

- 5. Problem-solving and programme design: use a programming language to solve problems
- 6. Programming Implementation: know how to translate an algorithm into a high level programme, and to employ techniques to successfully execute a programme.

Assessment Criteria

Class Participation & Attitude 10% Class Work 20% SBA 20% Quiz 25% Final Exam 25%

Independent and Home Learning

Students are expected to practice tasks performed in the classroom at home. They're also expected to focus on SBAs for individual tasks. Students should spend at least 1 hr on SBAs each week until completion.



Subject: Spanish	Grade: 10
Teacher: Jhonaton Thomas	Email: kjthomas@islandacademy.com

The Grade 10 program is based on the proper usage of tenses, grammar. Students will be able to dominate the proper usage of: the present continuous, present, preterite, imperfect, present participle, imperatives, immediate future, subjunctive, perfect and future tenses. At the same time they will be learning the grammar that governors these different tenses. Content for this course includes verbs (irregular) conjugation in the different tenses mentioned and how to use them correctly. The curriculum is designed to teach students to be independent problem-solvers with strong study skills and to develop clear communication skills in their daily lives. The grade 10 program is very compact and for this reason it continues into Grade 11.

Topics and Skills Overview

Term 1

Unidad 1: En la Familia (In my family). Unidad 2: Vamos a casa (At home). Unidad 3: A estudiar (School) **Term 2** Unidad 4: Mi tiempo libre (Free time) Unidad 5: Vamos de viaje (travelling) Unidad 6: ¡A la orden! (I'm here to serve you) **Term 3** Unidad 7: En el camino (On the way) Unidad 8: Don dinero (shopping and being a consumer) Unidad 9: ¿Qué nos trae el future? (job applications)

Assessment Criteria

Assignments: Any work given during a unit or subunit to show mastery of a topic learnt. Assignments include the core CSEC competencies grammar/vocabulary, listening, reading, writing, and speaking. The core competencies **all** add up to 50% of your overall grade.

Homework and Classwork: Any work given to help the student catch up, better understand a topic, and have greater command of a topic. HW and CW add up to 10% of your overall grade.

Quizzes/Tests: An Evaluation given at the end of a Unit or Subunit. Pop Quizzes are also possible. Quizzes/Tests add up to 15% of your overall grade.

Exam: An evaluation given at the end of a term. Exams add up to 20% of your overall grade.

Grammar & Vocabulary Assignments 10%	
Reading comprehension Assignments 10%	
Listening Assignments: 10%	
Written Expression Assignments: 10%	
Speaking Assignments 10%	
Quiz 15%	
Exam 20%	
Homework, class work 10%	
Class Participation 5%	

Independent and Home Learning

Homework and daily study are essential in active learning. The students are responsible for completing this homework on time, whether they are present in class or not. Technical problems are not acceptable excuses for not completing your homework on time.

Duolingo is a free app to revise vocabulary and grammar. 15 minutes a day will support learning. .



Subject: Humanities	Grade: 10
Teacher: Jenna DiCocco	Email: jdicocco@islandacademy.com

- Understand how people process and document the human experience using philosophy, literature, religion, geography, economics, art, music, history, and politics
- Learn about the following concepts: change; time, place, and space; systems; global interactions
- Primary topic: the Israeli-Palestinian conflict

Term 2: Topics and Skills Overview

- Improve understanding of how people process and document the human experience using philosophy, literature, religion, geography, economics, art, music, history, and politics
- Hone learning of the following concepts: change; time, place, and space; systems; global interactions
- Primary topic: South African apartheid

Term 3: Topics and Skills Overview

- Improve understanding of how people process and document the human experience using philosophy, literature, religion, geography, economics, art, music, history, and politics
- Hone learning of the following concepts: change; time, place, and space; systems; global interactions
- Primary topic: climate change

Assessment Criteria

Students are graded based on their homework, classwork, quizzes, class participation, essays, and tests as follows:

- Homework = 15%
- Classwork = 35%
- Debates = 30%
- Participation = 20%

Independent and Home Learning

As this is not a CSEC course, the homework assignments are not weekly and are largely for the purpose of supporting knowledge in class discussions and debates. Over the course of the term, students will be expected to complete approximately 3 hours of independent work.



Subject: Visual Arts	Grade: 10
Teacher: Laura Haynes	Email: lhaynes@islandacademy.com

- Wonky Portraits Deep dive into self-portraiture, looking at famous/traditional and contemporary artists. Painting and mixed media, distortion, observation, digital manipulation of images. Artists: Elizabeth Payton, Kehinde Wiley, Gerhard Richter, Modigliani, Brian Donnelly.
- **Caribbean pattern exploration -** Collaborative project, madras, independence day.
- **African Art Ceramic masks -** intro to african culture and art, look at pattern, texture and symbolism. Ceramic hand building techniques, glazing and oxides. Artists: Magdalene A. N. Odundo.

Term 2: Topics and Skills Overview

- Animation Stop motion Mood boards, Paper cutouts, drawing, digital skills, group work and collaboration. Artists: Nick Park, Lotte Reiniger, Ray Harryhausen, Kirsten Lepore.
- **Propaganda Art Posters:** Exploration of the use of posters for propaganda and messaging. painting, collage, photomontage.

Term 3: Topics and Skills Overview

- Art Movements exploration research focused project, discovering art movements and styles that are interesting to the student. Research skills, concept development, painting, reflection.
- **Printmaking flora and fauna of Antigua & Barbuda -** exploration what animals, insects and plants are native to Antigua. Drawing, development of a concept, research, communication, group work. Lino and monoprint. Negative and positive space.

Assessment Criteria

Work from each project will be marked out of 100%

Knowledge and Understanding	20%	(research/subject matter and artists etc.)
Participation and Engagement	30%	(behaviour/work ethic/willingness to learn/engagement in class discussion)
Creativity and Imagination	20%	(willingness to take risks/make mistakes through trial and error /demonstration of personal style and imagination)
Classwork & Homework	30%	(class assignments/graded drawings and pieces of physical work/written work/presentation of materials)

Independent and Home Learning

Students will be given at least 2 pieces of homework per week, written or practical.

Development of project ideas at home, independent research into artists or art movements that will assist with current project development.

Independent artwork is recommended at home to practise skills - this will not be graded or brought to school but it is useful to develop skills and personal artistic style outside of class time, and will benefit the students development in Art.



Subject: Physical Education	Grade: 10
Teacher: Mark Mitchell	Email: mmitchell@islandacademy.com

Theory- Relationships between physical education and sport, historical developments in sport, sports organizations, skeletal system, muscular system, circulatory system

Term 2: Topics and Skills Overview

Theory- concept of fitness (definition and components), Benefits of Exercise (physical, mental, social), Fitness Testing, Concept of Skill Learning, factors that affect Performance, classification of movements, skilled movement, motion and force, stability

Term 3: Topics and Skills Overview

Theory- issues surrounding physical education and sport: politics, gender equality, violence, drugs, special populations, cultural influences, media, commercialization, ethics, legal issues, environmental factors

Assessment Criteria

SBA 10% Internal Sports Evaluations 45% External Sports Evaluation 15% Exam 30%

Independent and Home Learning

SBA – Intramural Sporting Event Planning (Term 1), Implementation & Portfolio (Term 2) Trends and Social Issues report and presentation (Term 3)



Subject: Principles of Business	Grade: 10
Teacher: Dinah Whittier	Email: dwhittier@hotmail.com

Term 1: Topics and Skills Overview The Nature of Business Internal Organizational Environment Establishing a Business Legal Aspect of Business Business Management (up to Leadership) End of term exams will be based on the first 4 topics Term 2: Topics and Skills Overview Business Management (from conflict mgmt on wards) Entrepreneurship Establishment of business Contracts Business Documents End of term exams (all topics) SBA Guidelines Mark Schemes and project length. (talk about what is expected for a SBA)Project is to be done on a skill base and not content focus. Establishing the need for research, Methodology, Question collection, Question survey, Recommendations. Term 3: Topics and Skills Overview Production Marketing Logistics and Supply Chain (up to modes of transport) Explain SBA End of term Exam (all 3 topics) Assessment Criteria Class Participation	
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Assessment Criteria	
Class Participation 5%	
Homework 15%	
Assignments & Group projects 25%	
Test & Quiz 20%	
Exam 35%	
Independent and Home Learning	
Principles of Business is an introductory course which surveys the role of business in	
society. At its simplest level, business is the exchange of goods and services for	
mutual benefit or profit. Students will be exposed to a wide variety of topics including	
the terms, trends, organizational structure and opportunities inherent in this exchange.	



Subject: Physics		Grade: 10
Teacher: Frances Averre		Email: faverre@islandacademy.com
Term 1: Topics and Sk	ills Overview	Unit 3: Pressure
SECTION A: MECHANICS		Archimedes' Principle
Unit 1: Measuring		Surface Pressure
Converting units		Fluid Pressure
 Significant figures 		Unit 4: Dynamics
• Measuring		• Motion (speed, velocity, acceleration, distance,
• Graph Plotting		displacement)
· Pendulums		• Momentum
Unit 2: Forces		Unit 5: Energy
• Vectors		Forms of energy
• Moments		Energy transformation
• Forces		Potential and Kinetic energy
 Specific heat capacity Specific latent heat Heat transfer 		
		bics and Skills Overview
SECTION C: WAVES AND OPTICS		
Unit 1: Waves and Optics		
 Types of waves Sound waves 		
 Electromagnetic waves Light waves 		
• Lenses		
	٨٥٥	essment Criteria
Homework	20%	
Homework Classwork and Presentations	20% 20%	
Homework Classwork and Presentations Labs	20%	
Homework Classwork and Presentations	20% 20% 20%	

and the time of year (it will increase to allow for focused revision nearer the exam). Most homework will be from the required textbooks or handouts that the teacher will provide. Students will also be required to have internet access for research and projects.



Subject Chemistry	Grade 10
Teacher: Karolyn Edwards	Email: karollynedwards@islandacademy.com

- 1. States of matter, mixtures and separations perform simple separations, investigate the effect of structure and temperature on solubility
- 2. Atomic Structure, Bonding, Types of Chemical Reactions Draw Diagrams of the first 20 atoms,
- 3. Balance equations and identify type of reactions
- 4. Acids, bases and salts- Distinguish between substances using their chemical properties
- 5. Oxidation/Reduction Reactions- Identify redox reactions using oxidation numbers, Be able to write half equations. Distinguish between oxidizing and reducing agents.

Term 2: Topics and Skills Overview

6. The Mole and Volumetric Analysis- Define Mole and Molar Mass. Determine molar rations using balanced equations, determine the concentration of solutions theoretically and through titrations. Perform calculations using volumetric analysis data.

Term 3: Topics and Skills Overview

- 7. Electrolysis- Determine the products of electrolysis using the electrochemical series. Conduct investigations to determine conductors and non-conductors. Classify electrolytes as strong or weak based on their conductivity. Construct an electrolytic cell. Discuss the effects of electrolyte concentration, type of electrode and position of ions in the electrochemical series.
- 8. Organic chemistry- List the general characteristics of the five homologous series.

Assessment Criteria

Tests and quizzes 30% Labs 15% Presentations, assignments, homework and projects 20% Participation 5% Final exam 30%

Independent and Home Learning

Students are expected to do all reading and book questions that are assigned on their course outline given the first day of classes. All other projects, assignments and labs will be assigned as relevant.



Subject PSHE	Grade 10
Teacher: Alaina Gomes	Email: agomes@islandacademy.com

PSHE (personal, social, health and economic) education aims to develop knowledge, skills and attributes in students that will help them prepare them for life and work in a modern world. The course will help students understand the connection between academic, social and emotional wellbeing and provide a platform for discussing a variety of strategies for success.

Topic and Skills Overview (cycle 1)

Healthy Relationships

- Self-esteem, romance, and friendships.
 - Students will explore how to safely and responsibly form positive relationships (including those among their family, peers, staff at school, and the wider community)
 - Students will learn conflict resolution strategies, how to repair broken friendships, how to set boundaries in relationships, and the importance of empathy. Students will have the opportunity to discuss the emotional and physical realities and responsibilities of relationships.
 - Students will further learn how to differentiate between healthy and unhealthy relationships and ways to build/ improve their self esteem (including aspects of body image and stereotypical ideologies of "beauty")

• Consent

- Students will learn about the law regarding consent and the skills to assess their readiness for sex verses being pressured into sexual activity.
- Sexual, physical and emotional abuse.

Health and Wellbeing

- Risks of alcohol, tobacco, marijuana and other substances/ potential addictions (e.g. gambling).
 - Students will learn to identify when they are being pressured into using various drugs, and the strategies and resources they can use to help themselves and others if they are being pressured.
 - Students will be able to describe local and international laws regarding alcohol, tobacco and other substances and become knowledgeable about what addiction is, causes of addiction, treatment for addiction and identify resources available for support.
- Strategies for maintaining good personal hygiene.
 - Dental hygiene, menstrual and genital hygiene, hand washing, nail care, body washing etc
 - Nutrition and the importance of Physical activity

• Students will learn the link between healthy eating, physical activity and mental health

Diversity and Acceptance

- Diversity, Prejudice and bullying (including cyber bullying) and building tolerance.
 - Students will be able to recognise bullying, and its impact, in all its forms; the skills and strategies to manage being targeted or witnessing others being bullied.
 - They will further learn the impact of stereotyping, prejudice and discrimination on individuals and relationships; the unacceptability of prejudice-based language and behaviour, offline and online, including sexism, homophobia, biphobia, transphobia, racism, ableism and faith-based prejudice; the need to promote inclusion and challenge discrimination, and how to do so safely, including online.

Mental Health

Topics and Skills Overview (cycle 2)

• Tackling stigma surrounding mental health

• Students will discuss and learn the differences between mental illness and mental health, define terms such as self-harm, depression, anxiety and low-self esteem, and explore techniques to self heal and assist peers with the healing process as well.



- Students will learn the causes and triggers for unhealthy coping strategies, such as self-harm and eating disorders, and what to do if they
- Students will learn about emotional intelligence (EI) and the ways they can improve the EI.

Living in the Wider World

- Planning for our future
 - Students will identify different career options based on their skills, talents and personalities.
 - Students will be assessed for their personality type and learn the link between their personality type and potential career paths that might suit them best.
 - Students will research and narrow down potential schools and programs that are of interest to them.
 - Students will be able to map out their potential career path and the steps needed to accomplish their life/career goals.
 - Students will learn skills and information regarding budgeting, saving and creating their own balanced lifestyle

Assessment Criteria

Students will be assessed based upon their classroom participation in discussion, independent, and group activities. Students will receive two exams for the full school year (one in Term 1 and one in Term 3)

Independent and Home Learning

Students will be given approximately 1 hour of homework each week. This may vary depending on the topic and the time of year as students will be putting into practice what they learn in class.

Students will also be required to have internet access for research and projects!