

Cambridge/FBI STEM Academy Information Night



Cambridge Assessment
International Education



Presented by: Kassandra Fried, Principal

Jennifer Roca, Assistant Principal
Suzanne Moody, AP/AICE Coordinator

Cambridge Assessment International Education

- Prepares school students for life, helping them develop an informed curiosity and a lasting passion for learning.
- Nearly a million students in over 10,000 Cambridge schools in 160 countries
- They have a 150-year history of providing international exams.
- They are part of the University of Cambridge.



Cambridge International AS & A Level – International Curriculum

- **Students develop deep subject knowledge, conceptual understanding and higher order thinking skills.**
- **They learn the skills needed for life and to achieve at school, university and work**
- **Flexibility of study - students can choose from various subjects**
- **Students may earn college credit if they pass an end of the year AICE exam with an A, B, C, D, or E.**
- **ALL Florida state schools give college credit for passed AICE examinations.**
- **Students earning a C or above in the course will get 2 additional quality points averaged in their GPA, similar to AP courses.**





Additional AICE Information



- **Students can take AP and AICE classes simultaneously**
- **Students that earn an AICE Diploma by the end of 11th Grade can waive HOPE (Physical Education) and an Online Class.**
- **Students may earn an AICE Diploma if 7 courses are taken with at least one in each category in 24 months (3 school years) from your first exam.**
- **Students that earn an AICE DIPLOMA qualify for highest level of Bright Futures w/ 100 service hours with the Cambridge Diploma without SAT or ACT minimum scores!**





AICE Diploma Requirements

Students must earn 7 credits by passing a combination of exams at the AS level (1 credit) or A level (2 credits) in a 25-month period starting in June of the year of their first exam. A minimum of one exam must come from each of the 3 subject areas:

- Mathematics & Science
- Language Arts (Includes Foreign Languages)
- Arts & Humanities



****All AICE Diploma Students must take Global Perspectives AS****

****Students do not have to earn an AICE diploma to receive college credit****

****AICE Diplomas of Distinction or Merit are based on AICE Exam scores****



Cambridge Assessment International Education

AT THE BAY, CAMBRIDGE LEARNERS ARE

**CONFIDENT
RESPONSIBLE
REFLECTIVE
INNOVATIVE
ENGAGED**



CAMBRIDGE International Examinations

Learn • Discover • Achieve

What is learning how to learn?

Cambridge learner and teacher attributes

Cambridge learners	Cambridge teachers
Confident in working with information and ideas – their own and those of others.	Confident in teaching their subject and engaging each student in learning.
Responsible for themselves, responsive to and respectful of others.	Responsible for themselves, responsive to and respectful of others.
Reflective as learners, developing their ability to learn.	Reflective as learners themselves, developing their practice.
Innovative and equipped for new and future challenges.	Innovative and equipped for new and future challenges.
Engaged intellectually and socially, ready to make a difference.	Engaged intellectually, professionally and socially, ready to make a difference.

CAMBRIDGE LEARNER ATTRIBUTES



REQUIRED: AS Level Global Perspectives and Research (components 1,2 &3)

TO GET the DIPLOMA:

- **Students must earn at least 7 points in 3 school years.**
- **One Course from Groups 1 thru 3 AND Global Perspectives and 100 Community Service Hours.**



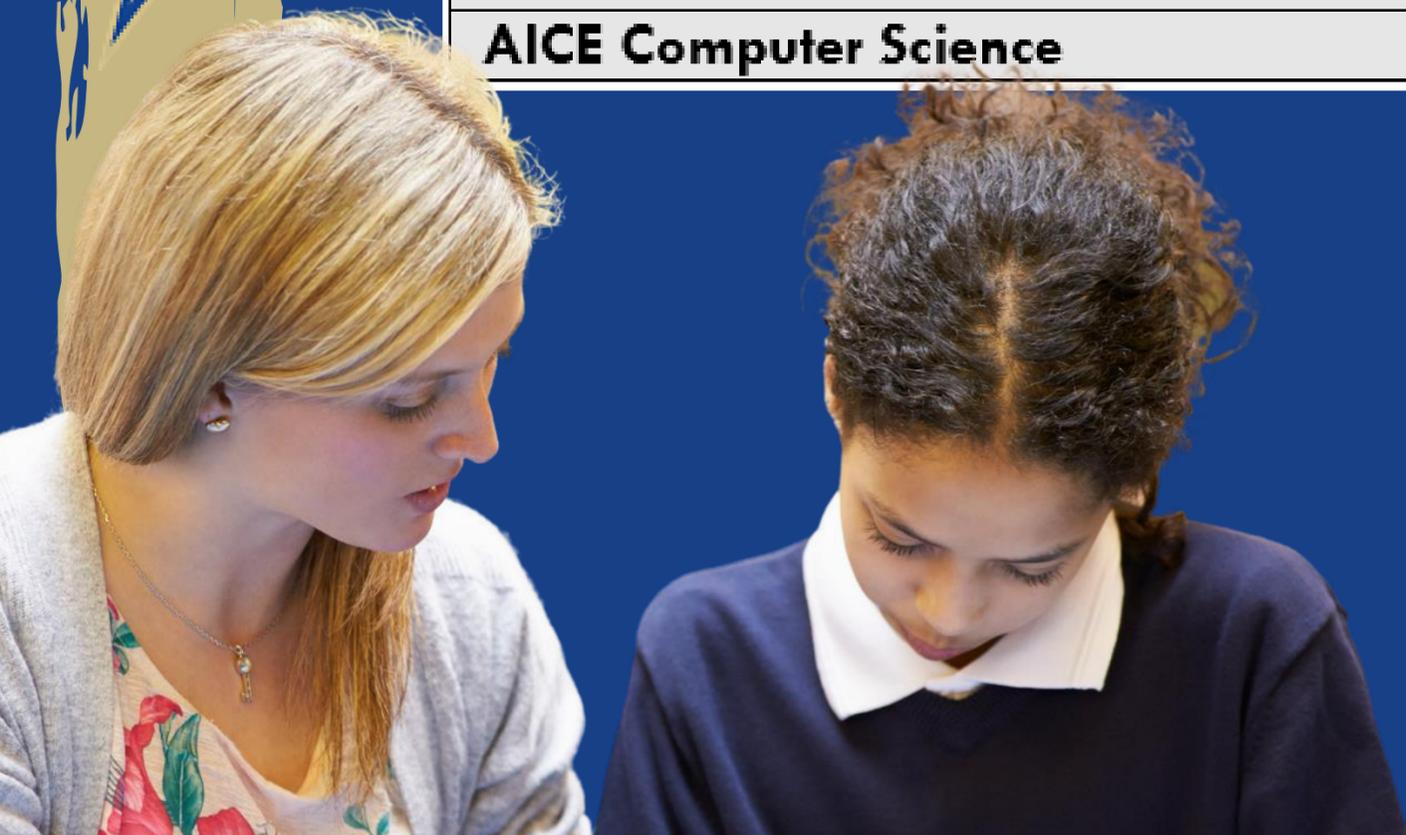
CAMBRIDGE COURSES AT CYPRESS BAY HS

Group 1: Mathematics and Science	Group 2: Language Arts	Group 3: Arts and Humanities	Group 4: Interdisciplinary (optional)	Required:
Biology AS **Computer Science AS/A or **InfoTech AS/A *Environmental Mgmt AS Marine Science AS Math AS/A *Psychology AS/A *Physical Education AS *Students may use course in either group 1 or 3 **Students can only use 1 (Comp. Sci or InfoTech) toward the diploma	Chinese AS English Language AS/A French Language AS Spanish Language AS	Business AS/A Classical Studies AS/A Literature in English AS/A *Environmental Mgmt AS Geography AS History (Euro) AS History (US) AS Media Studies AS/A *Psychology AS/A *Physical Education AS Sociology AS Travel and Tourism AS	English General Paper Thinking Skills AS/A Global Perspectives A	Global Perspectives AS

Cambridge AIICE Diploma Subject Groups and CORE

Courses	Criteria
Pre-AICE English Language Arts	Regular or Advanced English FSA Score of 3, 4, 5 Grade: A, B, C, D, F
AICE English General Paper	FSA Score of 3, 4, 5 and A/B in Honors LA
AICE European History	FSA Score of 3, 4, 5 and A/B in Honors LA. Must be taken jointly with AICE English General Paper
AICE Information Technology	Completion of Algebra 1H and Teacher Recommendation
AICE Thinking Skills	FSA Score of 3, 4, 5 & Algebra 1 EOC 4-5
AICE Spanish	By Placement Exam
AICE Chinese and French	Contact Teacher
AICE Music	Contact Teacher and Taken Jointly with English General Paper
AICE Computer Science	

What courses are offered for 9th graders?





CAMBRIDGE DIPLOMA NIGHT



The Advanced International Certificate of Education program (AICE)

is an innovative and accelerated method of academic study offered solely through the University of Cambridge International Examination. In this program, students take Advanced International Certificate of Education (AICE) 9-12 courses and can earn an international diploma if they accrue at least 7 points by passing AICE exams within a three-year period (25 months from the first exam to the last exam). Students must take a class in each of the three groups, math and science, languages, arts, humanities and Global Perspective.



**Cambridge Assessment
International Education**

Flexible, broad and balanced:

By demanding knowledge from three different subject groups, the Cambridge AICE Diploma provides a broad curriculum with a balance of math and science, languages, arts and humanities. It still maintains flexibility and choice by allowing students to pick specific subjects and levels.

General Questions:

A Cambridge diploma guarantees a Bright Future ACADEMIC tuition scholarship, the highest Bright Futures awards possible, without having to meet some other requirements such as ACT/SAT scores.

Students can have any combinations of regular, honors, AICE, or AP courses.

University of Cambridge International Examinations publishes a list on its website of US universities that have provided written statements of their AICE (which includes AS and A Levels) recognition policy. Go to www.cie.org.uk/qualifications/recognition

EXAMS are offered in November, May and June (they may occur after school is out).



For further information you may contact:

Assistant Principal of Advanced Academics:
Jennifer Roca
Jennifer.roca@browardschools.com

Cambridge (AICE) Coordinator:
Suzanne Moody
Suzanne.moody@browardschools.com



**Cypress Bay
HIGH SCHOOL**

The Cambridge AICE Program

18600 Vista Park Blvd.
Weston, Florida 33332

Principal: Cassandra Fried
Assistant Principal: Debra Santoro
Assistant Principal: Dwayne Dixon
Assistant Principal: Jorge Souza
Assistant Principal: Jennifer Roca
Assistant Principal: Jeffrey Wasserman
Assistant Principal: Laretta Cordoba
Cambridge AICE Coordinator: Suzanne Moody



**Cambridge Assessment
International Education**



CYPRESS BAY HIGH SCHOOL

FBI CYBER/STEM PROGRAM

Provide

Opportunity and skill sets for students who have interest in careers in the cyber field for a future career within the federal government

Discover

Discover importance of integration of science, technology, engineering, and mathematics

Develop

Develop the next generation of technically trained professionals

PURPOSE OF THE FBI CYBER/STEM PROGRAM





CYPRESS BAY HIGH SCHOOL

FBI CYBER/STEM PROGRAM

BENEFITS OF

FBI

PROGRAM

Obtaining sought after skills in the high-demand cyber field

Participating in a series of FBI practical exercises, case presentations, and sponsored activities

Obtaining an FBI CYBER/STEM Certificate & Medallion upon completion of the program





CYPRESS BAY HIGH SCHOOL

FBI CYBER/STEM PROGRAM

REQUIREMENTS TO BE COMPLETED WITHIN
A MAXIMUM OF 3 SCHOOL YEARS

- Complete 4 Cyber/stem-identified courses
- Participate in FBI Sponsored activities (i.e., practical exercises and case presentations)

Students can earn industrial credentialing tests from the following list (optional)

1. Certified Internet Web (CIW) Database Design Specialist
2. Certified Internet Web (CIW) JavaScript Specialist
3. Certified Internet Web (CIW) Web Security Associate
4. MTA Introduction to Programming Using Java





CYPRESS BAY HIGH SCHOOL

FBI CYBER/STEM PROGRAM

Which Courses?

Four (4) Mandatory Courses	Suggested Course Selections
<p>1. First year - AICE Informational Technology AS</p> <p>2. Second Year - Comprehensive Law Honors Second Year - AICE Thinking Skills AS/A</p> <p>3. Third Year – AICE Cyber Global Perspectives</p> <p>*Must have Advanced English, English Honors, AICE General paper, or AICE English Lang.</p> <p>*NO "BANKING" OF PREVIOUSLY EARNED COURSES IS ALLOWED.</p>	<p>AP Computing Science Principles AP Computer Science AICE Informational Technology A AICE Computing AS AICE Computing A CTE Honors Operational Cybersecurity CTE Honors Cybersecurity Planning & Analysis</p>





CYPRESS BAY HIGH SCHOOL

FBI CYBER/STEM PROGRAM

INCOMING 9TH, 10TH OR 11TH

MINIMUM UNWEIGHTED GPA OF 3.0

CLEAN DISCIPLINARY PANEL PRIOR TO AND THROUGHOUT THREE YEARS

A GRADE OF A OR B IN ALGEBRA I HONORS

A GRADE OF A OR B IN PREVIOUS ENGLISH COURSE (HONORS LEVEL OR HIGHER)

NO PATTERN OF EXCESSIVE ABSENCES OR TARDIES

**PREREQUISITES/GUIDELINES
2023-2024**





CYPRESS BAY HIGH SCHOOL

FBI CYBER/STEM PROGRAM



APPLICATION DEADLINE:
FRIDAY, MARCH 17



SELECTION COMMITTEE COMPOSED OF
CYPRESS BAY ADMINISTRATION,
TEACHERS, AND/OR CURRENT FBI AGENTS



SELECTED APPLICANTS WILL BE
NOTIFIED APPROXIMATELY 1 WEEK
AFTER DEADLINE OF SUBMISSION



ADJUSTMENTS TO CURRENT SCHEDULE
MAY BE NECESSARY ONCE APPLICANTS
ARE ACCEPTED INTO PROGRAM

SELECTION PROCESS





DON'T JUST CLIMB THE
LADDER OF SUCCESS



CHART A NEW PATH



THE IDEA IS NOT JUST TO
SUCCEED BUT TO THRIVE

The logo consists of the letters 'C' and 'B' in a stylized, bold font. A white lightning bolt strikes the 'C' from the top left, and the 'B' is positioned to the right of the 'C'. The entire logo is set against a dark blue background.

“ One of the things we find with students who have studied Cambridge International AS and A Levels is that they have a real depth of understanding of the subject matter that they have had classes in, and a real engagement with it.”

Stuart Schmill, Dean of Admissions, Massachusetts Institute of Technology (MIT), USA

Parent Perspective

“My oldest son is a gifted student, graduated in the top 5% of his class ... my younger son is in the top 40% of his class...

Because of the experiences my two sons have had with the program, I can attest that the Cambridge program is extremely beneficial to every type of student and it will help them thrive, not only in high school, but in any future learning environment.”

Ana Pol, School Advisor Forum Parent





Cypress Bay High School Counseling Office
(754) 323-0370

Advanced Academics
Jennifer Roca, Assistant Principal
jennifer.roca@browardschools.com

Suzanne Moody
Curriculum Specialist
AP/AICE and FBI Program Coordinator
suzanne.moody@browardschools.com