



TROY HIGH SCHOOL

2200 East Dorothy Lane, Fullerton, California 92831

714-626-4400 • www.troyhigh.com

Dr. William Mynster, Principal



21st Century National Blue Ribbon School of Excellence
California Distinguished High School
New American High School National Showcase Site
#29 Best College Prep Public High School in the Nation, 2020 *Niche.com*
#5 Best Public High School in California,
#1 High School in LA/Orange County Metro, 2020 *Niche.com*
#44 STEM, #63 Magnet High School in the Nation, *U.S. News and World Report*
2017 California Gold Ribbon School-Troy Tech
NACAC Member School

CEEB Code 051-009

Class of 2020 Counseling Staff and IB Coordinator

Counselors serving students at a 1:512 ratio

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Registrar	Stephanie Rosner	714.626.4426	srosner@fjuhsd.org
IB Diploma Program	Charlotte Kirkpatrick	714.626.4422	ckirkpatrick@fjuhsd.org

Troy High School – An Overview

- ◆ Comprehensive 4-year public high school in the Fullerton Joint Union High School District
- ◆ 2,604 students – 633 seniors in the Class of 2020
- ◆ Located next to California State University, Fullerton, offering unique, high-level educational opportunities to Troy's students
- ◆ Academic day: 57 minutes/class, 5 days/week, 180 days/year
- ◆ Diverse demographics:
Asian 42.5% . . . Caucasian 14.7% . . . Hispanic 25.8% . . . Filipino 7.6% . . . African-American 1.9% . . . Two or more races 10.1% . . . Other (American Indian, Pacific Islander, undesignated) 0.47%

Student Achievement

- ◆ Programs for all Troy students: Advanced Placement, International Baccalaureate, and the Troy Tech Specialized Secondary Magnet Program in Science, Technology, Engineering and Mathematics
- ◆ 76.7 % of the student population is enrolled in one or more of our accelerated programs

AP Recognition 2018-2019:

♦	National AP Scholars	121
♦	AP Scholars with Distinction	389
♦	AP Scholars with Honors	131
♦	AP Scholars	233

National Merit Awards:

♦	National Merit Semifinalists	2019 - 2020	39 students
♦	National Merit Scholar Finalists	2018 - 2019	32 students
♦	National Merit Commended Scholars	2019 - 2020	82 students
♦	National Hispanic Scholars	2019 - 2020	18 students

Standardized Testing - Mean Scores

SAT Exams: (Mean Total Score-1335) Evidence-Based Reading and Writing – 651 Math – 685

SAT Subject Exams:	Math Level II – 745	Biology E – 706	Biology M – 736
(2018 Cohort Mean scores)	Chemistry – 715	Physics – 720	Literature – 653
	Chinese w/L – 757	Korean w/L – 776	U.S. History – 701

Graduation Requirements

- ♦ 217.5 units: English 40; Social Science 30; Math 30; Lab Science 20; World Language, Career Technical Education or Visual/Performing Art 10; Health 2.5; Physical Education 20; Electives 65 unit minimum

Ranking and Grading System

- ♦ 633 seniors in the Class of 2020 are ranked in weighted deciles:
First: **4.89 – 4.62**, Second: **4.61 – 4.38**, Third: **4.37 – 4.24**, Fourth: **4.22 – 4.08**,
Fifth: **4.07 – 3.9**, Sixth: **3.89 – 3.70**, Seventh: **3.69 – 3.41**, Eighth: **3.40 – 3.09**,
Ninth: **3.08 – 2.47**, Tenth: **2.44 - 1.42**
- ♦ Grading system for college preparatory classes and other courses are based on a 4.0 scale:
A = 4, B = 3, C = 2, D = 1, F = 0
- ♦ Grading system for Honors, AP, IB classes are based on a 5.0 scale (+ precedes course title on transcript):
A = 5, B = 4, C = 3, D = 1, F = 0

Honors Classes

Honors (H), Advanced Placement (AP), and International Baccalaureate (IB) Courses

- ♦ **English:** English 1 Honors, English 2 Honors, English 3 Honors, AP English Language and Composition, English IB SL, AP English Literature and Composition;
- ♦ **Social Science:** AP World History, World History Honors, AP European History, AP U.S. History, History of Americas IB HL 2, AP Government & Politics U.S., AP Macroeconomics, AP Psychology, Philosophy IB SL, Philosophy IB HL 2, Theory of Knowledge IB;
- ♦ **Mathematics:** Geometry Honors, Algebra 2 Honors, Pre-Calculus Honors, Math Analysis Honors, AP Statistics, AP Calculus AB, AP Calculus BC, Math IB HL 2;
- ♦ **Science:** Honors Biology, AP Biology, Biology HL 2, Chemistry Honors, AP Chemistry, AP Physics 1, AP Physics 2, AP Physics C, AP Environmental Science;
- ♦ **Languages Other Than English:** French IB SL, AP French Language, AP Japanese Language and Culture, Spanish IB SL, AP Spanish Language, Mandarin IB SL, AP Chinese Language and Culture;
- ♦ **Computer Science:** AP Computer Science Principles, AP Computer Science A, Computer Science IB SL, Computer Science IB HL 2, Design Technology IB SL, Business Management IB SL; Mechatronics (H), International Business (H), Computer Operating System Security (H), Cyber Security Fundamentals (H) Network Security & Computer Forensics Fundamentals (H)

- ◆ **Visual and Performing Arts:** AP Drawing, AP Studio Art: 2-D Design, Visual Arts IB HL 2, Film IB SL, Film IB HL 2, AP Music Theory, Broadcast Journalism (H), Media Concepts (H).

Awards

- ◆ Science Olympiad Team –2017, 2018, 2019 Back-to-Back-to-Back National Champions; 13 time National Champions and 24 time State Champions since 1996
- ◆ Biology Olympiad: Troy student on U.S. Team, 2019 Silver Medalist, 2017 & 2018 World Champions and #2 individual world ranking
- ◆ Chemistry Olympiad – 2014, 2015, 2019 Silver Medalists
- ◆ Regeneron Science Talent Search 2018 Scholar
- ◆ American Chemical Society – numerous students, numerous years
- ◆ NJROTC Best Program CA and Arizona 2019; Largest CA Program 300+ cadets; Seven 2019 national competitions including 2nd Place JLAB Academics and 4th Place Drill
- ◆ CyberPatriot Teams - Nationally 1st (Open Division) & 2nd (All-Service Division); 2019 State Champions (Girls Go Cyber); largest cyber security HS program in the U.S.
- ◆ Golden Bell Awards (California School Board Association) – Troy Tech Internship Program and the Best Buddies Program
- ◆ 2019 Southern California Aspirations in Computing Award from NCWIT - Recognized 16 Troy Tech female student leaders in computer science and technology
- ◆ Sports - 7 of 23 team sports won league championships. 18 of 23 teams went to CIF post season. Girls Golf team is the 2019 CIF Champions and California State Champions.

College Acceptance

- ◆ **98% of Troy's students attend colleges and universities.**
- ◆ 4-year colleges and universities 69% attendance; 2-year colleges 29% attendance
- ◆ **79% of the Class of 2020 met the four-year college entrance requirements for the state of California public institutions.**
- ◆ **Troy graduates have been accepted to these two and four-year colleges and universities**

Abilene Christian University	California Baptist University	Chapman University
Adelphi University	California Institute of Technology	Claremont McKenna College
Albany College of Pharmacy and Health Sciences	California Lutheran University	Clark University
Albright College	California Polytechnic University, San Luis Obispo	Colorado College
Allegheny College	California State Polytechnic University, Pomona	Colorado School of Mines
American University	California State University, Bakersfield	Colorado State University
Amherst College	California State University, Channel Islands	Columbia College Chicago
Andrews University	California State University, Chico	Columbia University
Arizona State University	California State University, Dominguez Hills	Concordia University Irvine
Auburn University	California State University, East Bay	Cornell University
Azusa Pacific University	California State University, Fresno	Creighton University
Babson College	California State University, Fullerton	Cypress College
Baylor University	California State University, Long Beach	Dartmouth College
Belmont University	California State University, Los Angeles	DePaul University
Beloit College	California State University, Monterey Bay	Diablo Valley College
Bentley University	California State University, Northridge	Dixie State University
Berkeley City College	California State University, Sacramento	Dominican University of California
Berklee College of Music	California State University, San Bernardino	Drexel University
Biola University	California State University, San Marcos	Duke University
Boise State University	California State University, Stanislaus	Eastern Oregon University
Boston College	Carleton College	Embry-Riddle Aeronautical University
Boston University	Carnegie Mellon University	Emory University
Bradley University	Case Western Reserve University	Florida Institute of Technology
Brandeis University	Cerritos College	Fordham University
Brandman University	Chaffey College	Franciscan University of Steubenville
Brown University		Fullerton College
Cal Maritime Academy		Georgetown University
		Georgia Institute of Technology

Gonzaga University	Saint Mary's College of California	University of California, Santa Cruz
Grand Canyon University	San Diego State University	University of Chicago
Hamline University	San Francisco State University	University of Colorado at Boulder
Harvard University	San Jose State University	University of Colorado at Denver
Harvey Mudd College	Santa Ana College	University of Colorado at Colorado Springs
Hawaii Pacific University	Santa Clara University	University of Connecticut
Hofstra University	Santa Monica College	University of Dallas
Hope International University	Santiago Canyon College	University of Dayton
Humboldt State University	Savannah College of Art and Design	University of Delaware
Indiana University at Bloomington	School of the Art Institute of Chicago	University of Denver
Iona College	Scripps College	University of Georgia
Irvine Valley College	Seattle Pacific University	University of Hartford
ITESO - Universidad Jesuita de Guadalajara	Seattle University	University of Hawaii at Manoa
Johns Hopkins University	Seton Hall University	University of Illinois at Urbana Champaign
Juniata College	Sonoma State University	University of La Verne
Keio University	South Dakota School of Mines and Technology	University of Miami
Kenyon College	Southern Methodist University	University of Michigan
Lehigh University	Southern Utah University	University of Minnesota
Long Beach City College	Spartan College of Aeronautics and Technology	University of Nevada, Las Vegas
Louisiana State University	St. John's University – Manhattan Campus	University of New Haven
Loyola Marymount University	Stanford University	University of North Carolina at Charlotte
Loyola University Chicago	Stevens Institute of Technology	University of North Dakota
Macalester College	SUNY College of Environmental Science and Forestry	University of Notre Dame
Marist College	Swarthmore College	University of Oregon
Massachusetts Institute of Technology	Syracuse University	University of Pennsylvania
Massachusetts College of Pharmacy & Health Sciences	Texas A&M University	University of Pittsburgh
Mills College	Texas Christian University	University of Portland
Milwaukee School of Engineering	Texas Tech University	University of Puget Sound
Mount Holyoke College	The Catholic University of America	University of Redlands
Mount Saint Mary College	The Cooper Union for the Advancement of Science & Art	University of Rhode Island
Mount Saint Mary's University	The George Washington University	University of Rochester
Mt. San Antonio College	The King's College	University of San Diego
Muhlenberg College	The New School, New York	University of San Francisco
New York University	The Ohio State University	University of Southern California
North Carolina State University	The University of Alabama	University of Tennessee
Northeastern University	The University of Arizona	University of the Pacific
Northern Arizona University	The University of Montana, Missoula	University of the Sciences in Philadelphia
Northwestern University	The University of North Carolina at Chapel Hill	University of Tokyo
NYU Shanghai	The University of Oklahoma	University of Toledo
Oberlin College	The University of Tampa	University of Toronto
Occidental College	The University of Texas, Austin	University of Tulsa
Orange Coast College	The University of Texas, Dallas	University of Utah
Oregon State University	Trinity College	University of Washington
Otis College of Art and Design	Trinity University	University of Waterloo
Oxford College of Emory University	Tulane University	University of Wisconsin
Pace University, New York City	Union College (New York)	Ursinus College
Pacific Northwest College of Art	United States Air Force Academy	Utah State University
Pacific Union College	United States Merchant Marine Academy	Vanderbilt University
Pacific University	United States Military Academy	Vanguard University of Southern California
Pennsylvania State University	University of Advancing Technology	Villanova University
Pepperdine University	University of British Columbia	Virginia Commonwealth University
Point Loma Nazarene University	University of California, Berkeley	Virginia Tech
Prairie View A&M University	University of California, Davis	Waseda University
Princeton University	University of California, Irvine	Washington State University
Providence College	University of California, Los Angeles	Wayland Baptist University
Purdue University	University of California, Merced	Wellesley College
Regis University	University of California, Riverside	Westmont College
Rensselaer Polytechnic Institute	University of California, San Diego	Whitman College
Rhode Island School of Design	University of California, Santa Barbara	Whittier College
Rice University		Williams College
Rochester Institute of Technology		Yale University
Saint Louis University		
Saint Martin's University		
Saint Mary's College		

The Troy Tech Magnet Program: Science, Technology, Engineering and Mathematics



Troy Tech Coordinator: Laurie Downum-Bonnett Ldownum@fjuhsd.org
Specialized Programs Coordinator: Charlotte Kirkpatrick ckirkpatrick@fjuhsd.org
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General

- Nationally acclaimed magnet program celebrates over 30 years of student success – founded in 1986 under a California Specialized Secondary School grant—first magnet program in Orange County.
- Approximately 1,732 students, or 66 percent of Troy’s enrollment, participate in Troy Tech.
- TT students commute from four Southern California counties: Orange, Los Angeles, Riverside and San Bernardino.

Qualification

- Competitive qualification process available to academically-talented eighth grade students from across Southern California by math and English-based specialized programs examination.

Schedule and Curriculum

- Extended day enrollment with extra classes each semester for four years; most TT students attend from 7 a.m. until 3 p.m. each day.
- Advanced curriculum in technology with pathways focusing on computer science, engineering, cyber defense, media, business, and leadership (see pathways on reverse). Dual enrollment and certifications available.
- Over 20 technology elective courses including AP Computer Science Principles and AP Computer Science A. In May 2019, 572 students opted to take AP Computer Science exams with a pass rate of 88% while the world-wide pass rate was 72%. From the past 2 years, 41% of the AP Computer Science exams at Troy were taken by female students which led to College Board’s AP Computer Science Female Diversity Award recognition.

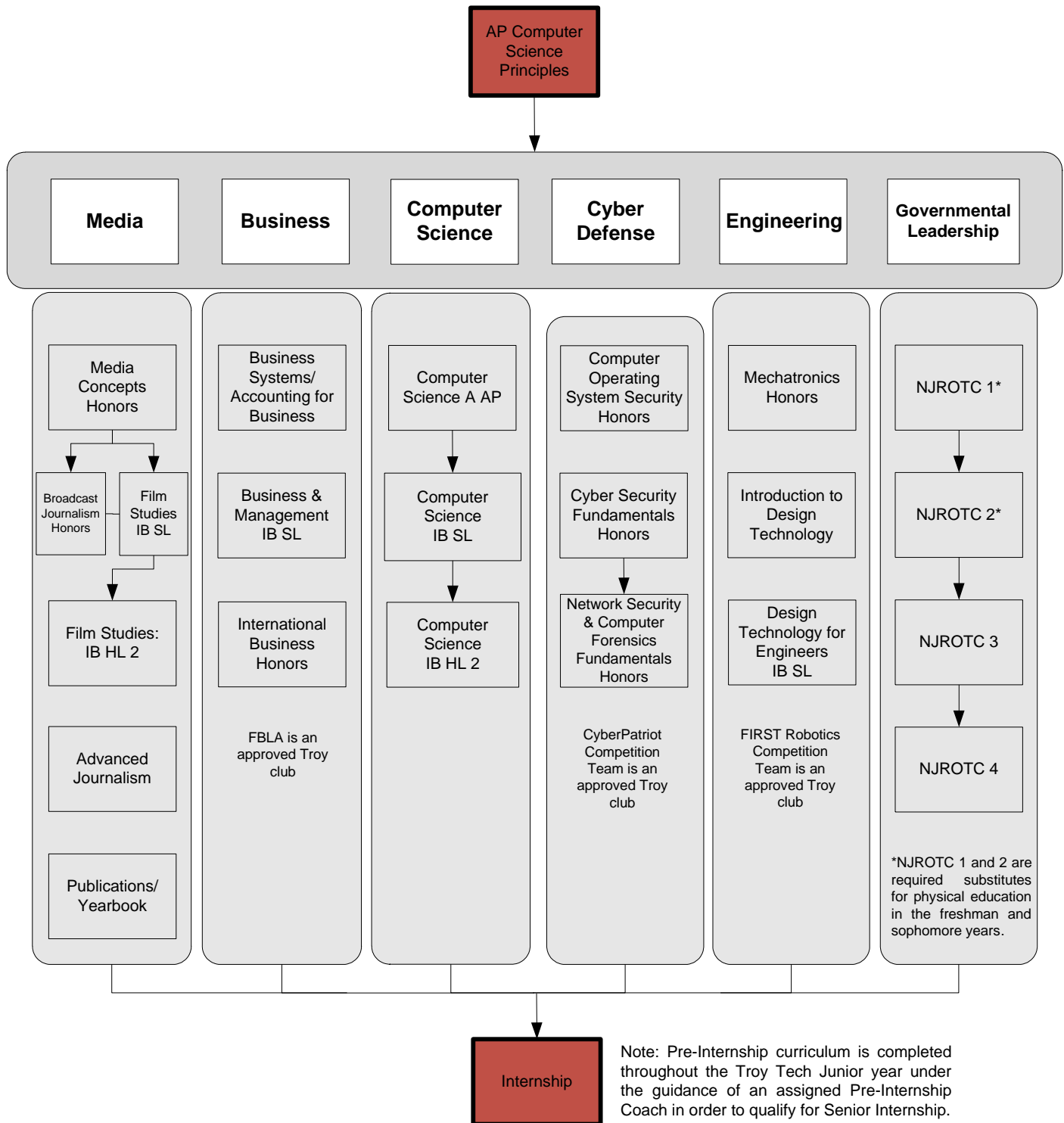
Senior Internship: 150 Volunteer Hours

- Year-long and/or summer internships in business, industry, academia, and local, state and national government; students work under professional mentors.
- Mentor database of over 1,000 professional mentors who have worked with and are willing to work with Troy’s interns at local, state, national, and international sites.
- 410 Troy Tech Senior Interns in the 2020 graduating class.

Awards and Recognition

- Ranked #44 STEM, #63 Magnet High School in the Nation, *US News and World Report*, 2019.
- Awarded California Gold Ribbon School by CDE based on Model Program Troy Tech Magnet, April 2017.
- Champions at Computer Programming Contests including First Place Wittry Contest 2019, Second Place HSPC Cal Poly Pomona 2019, Code Quest, and Cal State LA Progfest.
- 2019 Southern California Aspirations in Computing Award from NCWIT recognized Troy Tech female student leaders in computer science and technology – more recipients than any other high school in the U.S.
- FIRST Robotics Team participated in annual OC and LA Regional build competitions with over 50 active members.
- 2019 National Champions CyberPatriot; First 4-year academic Cyber Defense Program with 300 participants.
- Seven student films selected for screening at the All American HS Film Festival in New York, October 2019; Liam Fink was a 2019 finalist for Orange County Artist Of the Year in Film and animation.
- Future Business Leaders of America – 2nd Place Team at State Finals 2019; 1st Place Python Programming, 2nd Place Computer Problem Solving, 3rd Place Networking Concepts & Business Communications at Nationals 2019.
- NJROTC Best Program CA and Arizona 2019; Largest CA Program 300+ cadets; Seven 2019 national competitions including 2nd Place JLAB Academics and 4th Place Drill; Hosted Congressional Medal of Honor Recipient.
- Troy Tech students and academic teams featured in articles in *USA Today*, the *Los Angeles Times*, the *Orange County Register*, as well as in other publications and at community events.

Troy Tech Pathways 2019-2020



Troy Tech courses are year-long. This chart shows courses available in each pathway. The courses that must be taken in sequence are noted with a connecting arrow.

International Baccalaureate and Advanced Placement: A Combined Curriculum

Advanced Placement Program – Troy High School

AP Coordinator: Lisa Avila lavila@fjuhsd.org 714.626.4413

- College Board’s AP Computer Science Female Diversity Award - recognition for achieving high female representation in AP Computer Science Principles 2018
- 3411 AP exams administered in 2019
- 89% pass rate on AP exams in 2019

AP Recognition

● AP Scholars	2018-2019	233
● AP Scholars with Honors	2018-2019	131
● AP Scholars with Distinction	2018-2019	389
● National AP Scholars	2018-2019	121

The International Baccalaureate Diploma Program – Troy High School

IB Coordinator: Charlotte Kirkpatrick ckirkpatrick@fjuhsd.org 714.626.4422

- Established in 1986
- Most rigorous academic program at Troy
- Qualification opportunity for Honors Program (in years 9, 10) leading to IB Diploma (in years 11, 12) available to gifted eighth grade students through Specialized Programs testing. Academic achievement qualification for matriculation into the IB Diploma Program in the 11th grade based on academic achievement in honors courses and evaluation by IB coordinator and teachers
- Nearly 100 percent of Diploma Candidates at Troy participate in Troy Tech, the nationally acclaimed magnet program, which draws gifted students from four counties in Southern California: Orange, Riverside, San Bernardino, and Los Angeles
- 98% IB exam pass rate among IB Diploma and certificate students in 2019
- 31 IB Diploma graduates in 2019; 94% passing
- 214 exams given in 2019 testing
- Students may elect to pursue individual IB certificates in lieu of the Diploma Program

Mean SAT Scores of combined AP/IB Diploma Students

(Averages from 10/2015-6/2019 tests dates for all students enrolled in both programs)

● SAT Reasoning Exams:	Math – 707	Reading/Write – 678
● SAT Subject Exams:		
Math Level II – 758	Biology E – 734	Biology M – 735
Chemistry – 763	Physics – 793	Literature – 712
Chinese w/L – 770	Korean w/L – 694	US History – 724

2019 IB Exams Offered in the Following Subjects and Levels

Standard Level: *Spanish, French, Chinese: Mandarin, Japanese, Physics, Biology, Math, Computer Science, Design Technology, Film, Visual Arts, and Business Management*

Higher Level: *English Literature, Spanish, French, Chinese: Mandarin, Japanese, Philosophy, History of Americas, Physics, Biology, Math: Statistics, Math: Calculus, Computer Science, Visual Arts, and Film*