

The Anchor



John F. Kennedy High School

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<http://jfk.dpsk12.org>

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Planning Your Classes

- 1) Consult with your parents.
- 2) All course selections are subject to availability of classes, as well as availability of staffing. Therefore, **it is important to choose several alternative courses.**
- 3) Know and understand the prerequisites and requirements for courses you wish to take, including whether special approval is required.
- 4) Before selecting a subject, check the course description in the Anchor and with a teacher to be sure it fits your needs, interests, abilities, and career goals. Know what the expectations are for all classes, especially if you are looking into taking an Honors class.
- 5) See your teacher or your counselor if questions arise about college entrance requirements or post-secondary planning.
- 6) Consult with your counselor.

Counseling Department

John F. Kennedy High School encourages all students to work together with their parents, teachers and counselors to schedule a 4-year academic plan. Ideally, this plan would align the student's academic and elective choices with their future career and life goals.

STUDENTS' LAST NAME	COUNSELOR	PHONE NUMBER
A-E	Shea Johnson	720-423-4341
F-Mars	Joe Naughton	720-423-4351
Mart-P	Kelly Bravo	720-423-4338
Q-Z	Meghan Martiniere	720-423-4366

*Students with an IEP are assigned a Special Education Case Manager who serves as their academic counselor

Schedule Changes

It is essential that students use great care and thorough planning in selecting courses. Counselors, teachers, parents and students need to work together to ensure that students select classes with their **interests, graduation requirements and college planning in mind**. It is also very important that students follow all directions, meet all deadlines and are present at all Choice of Studies sessions. If the process is not completed properly, **counselors will select courses for the student.** Once the Choice of Studies process is complete, schedule change requests will be honored only if the student has been improperly placed or if they get a class for which they did not pass the prerequisite. No schedule changes will be made to accommodate a student's work schedule or to have a different teacher. It is the goal of the Counseling Department to complete all schedule changes before the end of the school year.

Generally, no schedules will be changed once classes begin for the semester.

English Language Acquisition

John F. Kennedy High School is designated an ELA-E Program School. ELA-E program components provide supported English content instruction and English language development. Supported English content instruction is provided in core content classrooms. Services will be provided in accordance with Denver Public Schools recommendations.

Definitions and Explanations

Credit: Recognition that a student has successfully passed a class (a grade of “D” or higher), thereby fulfilling a requirement towards high school graduation. *Please note that many colleges do not accept “Ds” as credit on high school transcripts.*

Typically, the amount of credit awarded for successfully completing one 18-week semester class is 5 credits. (Starting with the class of 2021, the term Units will also be used. 1.0 Units = 10 Credits, 0.5 Units = 5 Credits)

Cumulative Grade Point Average: The average obtained by dividing the total number of grade points earned in high school by the total number of credits attempted.

Current Grade Point Average (GPA): The average obtained by dividing the total of the grade points earned during the current grading period by the total number of credits attempted during the current grading period.

DP: Diploma Program of the International Baccalaureate Organization (see later for specific information)

Grade Level Requirements: Students are promoted from one grade level to another in January and June. The following are the minimum number of credits that a student must have earned to be classified for specific grade level:

Graduate - 240/24 credits/units Grade 12 - 180/18 credits/units Grade 11- 120/12 credits/units Grade 10 - 60/6 credits/units

High School Code: John F. Kennedy's number is **060418**. You must use this on all ACT, SAT, NCAA forms, and college applications. (also called a CEEB Code)

Prerequisite: A class that must be successfully completed prior to taking another course.

Rank in Class: A student's relative standing in his or her class, determined by comparing the cumulative grade point averages of all students in the class.

TPR: Teacher Permission Required – must receive permission from a teacher before you can register for a class.

Honors Options at JFK

For all Honors options available at JFK High School, the JFK faculty and staff are committed to:

- challenging students intellectually
- fostering critical thinking skills (synthesis, analysis, and applications)
- providing programs that offer students the possibility of obtaining college credit
- communicating to parents and students the volume of work and dedication these courses require
- counseling students to make wise course choices, a service offered by both teachers & counselors
- preparing students to take IB and AP assessments

In turn, we expect students to:

- commit to the academic rigor required of Honors coursework
- realize that it the learning is as important as the grade
- make wise choices in selecting their workload and courses
- **maintain a “C” or better to remain in that specific class**
- meet prerequisites and obtain teacher recommendation for each HONORS/AP/DP class he/she plans to take
- understand the implications of cheating or plagiarism in any HONORS/AP/DP class
- consult with their counselor in making wise choices when selecting their workload and courses

Honors Courses: Honors classes are rigorous college prep classes. These courses are more advanced in workload, pace, and intellectual challenge. Self-motivation, strong learning habits, and an advanced work ethic are as important for success in Honors courses as intellectual ability. Any student who shows academic potential and receives a teacher recommendation can take an Honors class in the subject for which they are recommended, giving all students a chance to be challenged academically in the field of their strength. As these classes are of a pre-collegiate difficulty level, success in Honors courses is a strong indicator of future success in AP coursework. **Honors classes receive weighted value in calculating grade point average, and a student must have a “C” or better at semester in order to continue in the class the following semester, or to carry on to the next level the following year.**

Advanced Placement (AP) Courses: The Advanced Placement program is a national academic program sponsored by the College Board. The classes are the equivalent of introductory college courses and provide opportunities for high-achieving students to complete certain college requirements while still in high school. An Advanced Placement class is taught at the

high school and follows a college-level curriculum which has been approved by the College Board. Each of the AP courses is yearlong and culminates in a required national exam in May. These classes move at an accelerated pace and cover an extensive amount of material. **AP classes receive weighted value in calculating grade point average. In order to obtain weighted credit for AP courses, the student must take the AP exam at the end of the course. In addition, a student must have a “C” or better at semester in order to continue in the class the following semester, or to carry on to the next level the following year.**

IB Diploma Program: The IB Diploma Program is a two-year program known for its demanding curriculum and global outlook. The coursework leads to an IB diploma that is widely recognized by the world's leading universities. Students who successfully complete IB exams may earn college credit during high school.

Denver Public Schools Grading System

Description	Value on a 4-point scale	Value on a 5.2 point scale	Percent Based	Letter Grade
<p>The student demonstrates thorough knowledge and mastery of skills that allows him/her to function independently above their current educational level.</p> <ul style="list-style-type: none"> The student demonstrates a comprehensive understanding of all relevant information relevant to the topic at level. The student demonstrates comprehension and understanding of knowledge and skills above his/her grade level. The student can perform skills or processes independently without any significant errors. 	4.0	5.2	93-100	A
	3.67	4.77	90-92	A-
<p>The student demonstrates mastery of knowledge and skills that allow them to function independently on all major concepts and skills related to their educational level.</p> <ul style="list-style-type: none"> The student demonstrates a comprehensive understanding of all information relevant to the topic, at level. The student can perform skills or processes independently without any significant errors. 	3.33	4.33	87-89	B+
	3.0	3.9	83-86	B
	2.67	3.47	80-82	B-
<p>The student demonstrates basic knowledge and skills usage but cannot operate independently on concepts and skills related to his/her educational level. Requires remediation and assistance to complete tasks without significant errors.</p> <ul style="list-style-type: none"> The student has an incomplete knowledge of the topic and/or misconceptions about some information. The student requires assistance and coaching to complete tasks without errors. 	2.33	3.0	77-79	C+
	2.0	2.6	73-76	C
	1.67	2.17	70-72	C-
<p>The student demonstrates some skills and knowledge, but requires remediation to complete basic skills or knowledge sets.</p> <ul style="list-style-type: none"> The student can demonstrate some knowledge in content area, but displays misconceptions about some information. Student can complete skill set, but requires significant coaching and assistance. 	1.0	1.3	60-69	D
Lack of evidence and/or unsatisfactory performance on assessment and evaluations of student work.	0	0	0-59	F
Dropping a class after the end of the 1 st 6-week grading period will result in a withdraw-fail (WF). Receiving a WF affects your GPA the same as an F.	0	0		WF

Valedictorian and Salutatorian

The valedictorian will be the student(s) with the highest **weighted** GPA. The salutatorian will be the student(s) with the second highest **weighted** GPA.

- The “weighted” grade point average will be used to determine each school's valedictorian and salutatorian.
- The **average of all eight semesters** must be used to determine each school's valedictorian and salutatorian (no exceptions). Adjustments to grade point averages because of the Advanced Placement (AP) Testing Policy must be completed before figuring the final grade point average. The re-calculation of grade point average for students affected by the AP Test Policy may impact the valedictorian/salutatorian designation and top ten list.
- Students who choose to graduate early, before completing eight semesters, will be ranked in the class with which they entered. They do not become a part of the graduating class that completed eight semesters.
- Students must be enrolled in their school of attendance for a minimum of three years and achieve the highest grade point average in their graduating class in order to qualify and be the class valedictorian. This also applies to students transferring in from the International Baccalaureate Program to other high schools. This policy has been in effect since the beginning of the 1989-1990 school year.
- The weighted GPA will be calculated using the final cumulative GPA will be determined at the end of second semester of the student's senior year.

The announcement of the valedictorian and salutatorian will be made at Senior Awards Night.

Graduating with Honors

National Honor Society In order to graduate with honors, a student must be enrolled in National Honor Society (NHS). Students become eligible after completing two semesters of high school. Students are invited to be inducted into NHS if they meet the following requirements:

- 1) a **cumulative** GPA of 3.5 after their freshmen year
- 2) no negative teacher recommendations
- 3) are of high moral character

After being inducted into NHS, a student must **maintain** a cumulative GPA of 3.5, complete the necessary community service hours, and pay the yearly dues. A student must meet the above requirements at the time of graduation to graduate with honors.

A yellow stole will be worn at graduation in order to signify those students belonging to NHS.

Coursework Taken Outside of JFK

Prior approval is required for any course work taken outside of John F. Kennedy High School. Students wishing to take classes for remediation or enrichment in a program outside of our school should begin by contacting their counselor to start the approval process. John F. Kennedy Administration must **pre-approve** any outside course work before credit will be included on a Kennedy transcript. This includes, but is not limited to, online learning, correspondence courses, or pre-collegiate classes.

DPS Graduation Requirements through Class of 2020

The following course requirements are needed to participate in the graduation ceremony and receive a DPS diploma:

Total Credits Required: 240

English

40 credits: 4 years/8 semesters

Including the following named courses:

- English (10 cr.)
- English 2 (10 cr.)
- Upper Division Writing Course such as English 3 (10 cr.)
- Other English electives (10 cr.)

Social Studies

30 credits: 3 years/6 semesters

Including the following named courses:

- U.S. History (10 cr.)
- Civics (5 cr.)
- Other social studies (15 cr.)

Science

30 credits: 3 years/6 semesters

20 credits must come from the following:

- Earth Science, Biology, Chemistry or Physics
- Other science electives (10 cr.)

Math

40 credits: 4 years/8 semesters

Including the following named courses:

- Algebra I or Integrated Math 1 (10 credits)

The high school algebra requirement will be waived for a student who successfully completes one year of algebra in middle school (or passes the 8th grade Algebra Test). In no case will students receive high school credit for courses completed in middle school.

- Geometry or Integrated Math 2(10 cr.)
- Higher level math (20 cr.)

World Languages

Not required by DPS for graduation, but 1 year in both 9th and 10th grade are required for JFK and are highly recommended for college admission.

Physical Education, Dance, or ROTC

10 credits: 1 year/2 semesters

Equivalents shall include: Citywide Marching Band, DPS Athletics or Cheerleading.

Athletic sports that are sanctioned by the Denver Public Schools' Board of Education and meet the criteria below may exempt a student from the physical education graduation requirement. No grade or credit will be given for athletic participation and such exemptions will not reduce the total number of hours required to earn a diploma. Both semesters of the physical education requirement may be exempted by athletic participation.

Criteria governing physical education exemptions:

1. The student must maintain academic eligibility for the entire season.
2. One full sport season is required to exempt a student from five semester hours (5 units) of PE requirement
3. A student must be a high school freshman, sophomore, or junior to qualify for the exemption. Seniors who have not yet met the PE requirement are not allowed to take this exemption and must enroll in a physical education course.

Art or Career Technology Education (CTE)

10 credits: 1 year/2 semesters

Academic Electives

10 credits: 1 year

- Acceptable Academic Electives: additional courses in English, mathematics, natural/physical sciences and social sciences, world languages, art, music, journalism, drama, computer science, honors, Advanced Placement, International Baccalaureate courses, AVID and CTE courses.

Electives

70 credits: 14 semesters (may include Acad. Electives)

DPS Graduation Requirements Starting with the Class of 2021

The following course requirements are needed to participate in the graduation ceremony and receive a DPS diploma:

1. Successful completion of 24 units of credit (in the prescribed categories listed below, including and in addition to successful completion of any school or program-specific requirements which have been approved by the District). A Unit of Credit is defined as the amount of credit earned toward graduation following demonstration of district identified competencies. Successful completion is defined as a passing grade or score.

Minimum Requirements for a High School Diploma:

- English 4 units
- Math 4 units
- Science 3 units
- Social Studies 3 units (to include .5 unit of Civics)
- Physical Education 1 unit*
- Arts or eligible CTE 1 unit*
- Approved Electives 8 units*

*The district values quality, standards-based learning experiences in physical education, world languages, the arts, Career Technical Education, and other electives. Through their Individual Career and Academic Plans (ICAPs), students are encouraged to work with their counselors and advisors to plan for and own their engagement in physical education, the arts, and other electives to meet their academic and career goals.

Note: Students with ICAPs directing them toward 4-year higher education institutions must verify with their school counselor/advisor that they are on track to complete the requisite world language or other specific courses necessary to meet higher education admission requirements for the institutions of their choice (e.g., Colorado Higher Education Admission Requirements);

2. Demonstration of College and Career Readiness in English and Math through one or more of the approved options in the DPS Approved Menu of Options as identified in the Regulation accompanying this policy. (see menu below)
3. Completion of the requirements and goals as listed on a student's Individual Career and Academic Plan (ICAP) and/or Individualized Education Plan (IEP) which may include modified content standards.

Competency Menu Options:

Competency Option	English Minimum Score	Math Minimum Score
Accuplacer	95 (Sentence Skills)	61 (Elementary Algebra)
American College Testing (ACT)	18	19
ACT WorkKeys – National Career Readiness Certificate	Bronze or higher	Bronze or higher
Advanced Placement (AP)	3	3
Armed Services Vocational Aptitude Battery (ASVAB)	31	31
Concurrent Enrollment	C- or higher in eligible course	C- or higher in eligible course
Capstone Portfolio	District approved	District approved
Industry Certificate	District approved	District approved
IB exam	4	4
Scholastic Aptitude Test (SAT)	470	500

This menu is subject to change and revision from the state. When changes are made, the district will update its policy to ensure adherence to the state's guidelines.

Colorado Department of Higher Education:

Higher Education Admissions Requirements (HEAR)

Colorado 4-year public colleges require students to take a Pre-Collegiate Curriculum in high school in order to be prepared for success in college. These courses are required of all students – even those with disabilities – but the classes can be modified. Completing the Colorado Pre-Collegiate Course Requirements doesn't guarantee you a spot into a Colorado college – many colleges want you to go above and beyond. What is known is that it will be difficult to get into college (and succeed) without completing the required courses.

Academic Area	Number of Units
	(1 Unit - 1 Year)
English	4
Social Studies (including 1 year US or World History)	3
Science (including 2 years of lab science)	3
Math (Algebra 1/2 and higher)	4
Academic Electives	2
Foreign Language (must be same language)	1

NCAA Eligibility Requirements

Athletes who wish to participate in Division I or Division II athletics must be certified by the NCAA Initial Eligibility Clearinghouse. **For a listing of JFK's approved course listings and/or to register, go to www.ncaaclearinghouse.net.**

Registering for the NCAA and making sure all academic criteria are met is the responsibility of the student and their parent. It is NOT up to the counselor or the athletic coach to make sure that a student athlete is taking the correct classes, although they can and will help, IF they know the student is planning to try to play for a Division I or Division II school.

Core Units for NCAA Athletic Certification:

	<u>Division I</u>	<u>Division II</u>
English	4 years	3 years
Math (Algebra I and above)	3 years	2 years
Natural/Physical Science (at least 1 lab course)	2 years	2 years
Additional courses from English, Math or Science	1 year	2 years
Social Science	2 years	2 years
Additional Courses	4 years	3 years
Total Core Units Required	16	14

International Baccalaureate

John F. Kennedy High School is an International Baccalaureate World School offering the Diploma Program in grades 11-12. The aim of IB Programs is to develop internationally minded people who, recognizing their common humanity and shared guardianship of the planet, help to create a better and more peaceful world.

IBO Mission Statement: *The International Baccalaureate Organization aims to develop inquiring, knowledgeable and caring young people who help to create a better and more peaceful world through intercultural understanding and respect. To this end the IBO works with schools, governments and international organizations to develop challenging Programs of international education and rigorous assessment. **These Programs encourage students across the world to become active, compassionate and lifelong learners who understand that other people, with their differences, can also be right.***

The IB Learner Profile

Students at JFK, as IB learners, strive to be:

Inquirers –who develop their natural curiosity. They acquire the skills necessary to conduct inquiry and research and show independence in learning. They actively enjoy learning and this love of learning will be sustained throughout their lives.

Knowledgeable – who explore concepts, ideas and issues that have local and global significance. In so doing, they acquire in-depth knowledge and develop understanding across a broad and balanced range of disciplines.

Thinkers – who exercise initiative in applying thinking skills critically and creatively to recognize and approach complex problems, and make reasoned, ethical decisions.

Communicators – who understand and express ideas and information confidently and creatively in more than one language and in a variety of modes of communication. They work effectively and willingly in collaboration with others.

Principled – acting with integrity and honesty, with a strong sense of fairness, justice and respect for the dignity of the individual, groups and communities. They take responsibility for their own actions and the consequences that accompany them.

Open-minded –who understand and appreciate their own cultures and personal histories, and are open to the perspectives, values and traditions of other individuals and communities. They are accustomed to seeking and evaluating a range of points of view, and are willing to grow from the experience.

Caring – who show empathy, compassion and respect towards the needs and feelings of others. They have a personal commitment to service, and act to make a positive difference to the lives of others and to the environment.

Risk-takers – who approach unfamiliar situations and uncertainty with courage and forethought, and have the independence to explore new roles, ideas and strategies. They are brave and articulate in defending their beliefs.

Balanced – understanding the importance of intellectual, physical and emotional balance to achieve personal well-being for themselves and others.

Reflective – who give thoughtful consideration to their own learning and experience. They are able to assess and understand their strengths and limitations in order to support their learning and personal development.

Students are required to take 6 subjects areas each year in 11th and 12th grade:

- Group 1: Studies in Language and Literature (English)
- Group 2: Language Acquisition (World Language)
- Group 3: Individuals and Societies (Social Studies)
- Group 4: Sciences
- Group 5: Mathematics

- Group 6: The Arts Language Acquisition (World Language)

Approaches to Learning is emphasized so students intentionally focus on skills related to:

- Communication
- Social – Collaboration
- Self-Management
- Research
- Thinking

6 Global Contexts:

These are the 'lenses' through which units and lessons are taught. All lessons and units have key and related concepts which guide the inquiry based instruction along with the Global Context:

Identities and Relationships

- Who am I?*
- Who are we?*
- What are my beliefs and values?*

Fairness and Development

- What are the consequences of our common humanity?*
- What is the relationship between communities?*

Orientation in Space and Time

- What is the meaning of when and where?*
- What is the relationship between individuals and civilizations, from personal, local, and global perspectives?*

Personal and Cultural Expression

- What is the nature and purpose of creative expression?*
- How can I appreciate the aesthetic?*

Scientific and Technical Innovation

- How do we understand the world in which we live?*
- How do humans use their understanding of scientific principles?*

Globalization and Sustainability

- How is everything connected?*
- How do local experiences mediate the global*

The Core:

- Theory of Knowledge
- Extended Essay
- Creativity, Activity, Service

Art

The art classes at Kennedy provide an opportunity for you to become actively involved in creative problem solving as you explore and experiment with a variety of materials. Courses are designed to build beginner to advanced skills and may be taken all four years of high school.

Ceramics 1

- Prerequisite none
- Offered Year
- Grades 9-12
- Fee none

Ceramics 1 is designed as an introduction to hand-building techniques. The primary focus of this class is on construction and basic techniques as well as to provide many opportunities for students to explore and experiment with different methods of construction and surface treatment of clay. The secondary goal is

to help students develop their sense of the creative process and their skills of critical analysis.

Ceramics 2

- Prerequisite Ceramics 1
- Offered year
- Grades 10-12
- Fee none

Ceramics 2 is designed as a continuation of exercising hand-building techniques, along with continued work on the potter's wheel as well as learning about history, research and

creative expression. The primary goal of this class is to provide many opportunities for students to explore and experiment with different methods of construction and surface treatment of clay. The secondary goals are to help students develop their sense of the creative process, and develop their skills of critical analysis.

[CE Introduction to Computer Graphics](#)

Prerequisite none
Offered Year
Grades 9-12
Fee \$25/year

Design I is a foundation level visual art class. Students are introduced to the elements of art and principles of design through a variety of media and concepts. This course will challenge students to apply their knowledge to create two-dimensional and three-dimensional visual compositions.

[Digital Photography](#)

Prerequisite Graphic Design 1
Offered Year
Grades 9-12
Fee none

This course is designed to teach the traditional fine arts skill of photography in combination with the current technology of digital literacy; image alteration and presentation using current computer and web based information systems. One essential feature of this program is the interaction of a digital camera with cutting edge computer darkroom technology. Students are expected to upload images via scanning; reading data cards; directly connecting the camera via cord to the computer or using other technology to import and export data. Students will examine both historical and contemporary cultural themes.

[Drawing and Painting 1](#)

Prerequisite none
Offered year
Grades 9-12
Fee \$25/year

In this year-long class the elements of art will be introduced and explored through the use of a variety of materials including pencil, pastels, tempera paint, acrylic paint, and printmaking. Assigned projects will address specific art skills and creative problem solving.

[Drawing and Painting 2](#)

Prerequisite Drawing and Painting 1
Offered year
Grades 10-12
Fee \$25/year

In this year-long class students will build on skills learned in Drawing and Painting 1. An emphasis will be placed on using art as communication and fostering self-expression. Students will begin to develop a personal style of art making and begin compiling a portfolio of their artwork.

[Drawing and Painting 3](#)

Prerequisite Draw /Paint 2
Offered year

Grades 11-12
Fee \$25/year

In this year-long class students will work individually with the teacher to design challenging projects that address the student's interests. The course is intended to help students create a portfolio of art that showcases their talents and interests. Teacher permission is required.

[CTE Graphic Design 1](#)

Prerequisite none
Offered Year
Grades 9-12
Fee none

This course is an overview of the basic elements of Design including a focus on very basic computer skills; its purpose, techniques, influences, and its connection to past and current culture. Students will learn visual literacy and critical thinking applied to projects created in a variety of traditional media and/or design software programs. Students will be challenged to push themselves in areas of research, creativity, and problem solving as well as learn about and expand their knowledge of the basics of the principles and elements of design and career opportunities. Through the study of both graphic design and self-expression, students will strengthen their foundation as an artist/designer.

[CTE Graphic Design 2](#)

Prerequisite Graphic/Digital Design 1
Offered Year
Grades 10-12
Fee none

This 2nd year course provides a more advanced picture of graphic design and allows students to build off of what they learned in Graphic Design 1, including more advanced investigations into to digital content such as digital art and marketing materials such as logos, packaging, web design and videos.

[AP Studio Art: 2-D Design](#)

Prerequisite Teacher Permission
Offered year
Grades 11-12
Fee \$25/year + AP exam fee

In this class students will prepare a portfolio of art that meets the requirements of the College Board. Students will compile artwork in three areas: Quality, Breadth, and Concentration. This class is intended for students who plan on continuing to study art in college. **THIS CLASS WILL BE TWO PERIODS AND WILL MEET EVERYDAY.**

[DP Visual Arts SL or HL 1, 2, 3, 4](#)

Credit 5 each semester/20 over 2 years
Prerequisite Acceptance into IB Diploma Program
Offered over 2 years
Grades 11-12

Fee Books must be purchased, Examination fees
IB Diploma Visual Arts is designed to provide students with a structured studio experience in which they can develop their technical abilities and increase their skills as communicators through the use of sophisticated concepts and visual images. The course will provide opportunities to explore and study visual

art of the past and present, as well as emerging trends. Through the utilization of a wide variety of art-making techniques and the

development of an investigation workbook students will create works of art with an emphasis on form and content.

CareerConnect

For more information on CareerConnect, please visit <http://www.dpsscarrerconnect.org/>

BusinessConnect

BusinessConnect at John F. Kennedy High School is part of the CareerConnect Department of the Denver Public Schools. BusinessConnect strives to train students for a career in the field of business or marketing. High School of Business™ courses can count for up to 9 credits of community college credit through concurrent enrollment with Red Rocks Community College while taking business classes at JFK.

HS of Business

The goals of High School of Business™ are to:

- Effectively prepare students for college business programs via knowledge and skills gained in high school business and marketing education.
- Provide students with the skill set necessary for college and career success in the 21st Century.

Students in the program are required to complete six courses to obtain the High School of Business™ Certificate. Students incorporate High School of Business™ into a college-preparatory course of study, resulting in the delivery of a breadth of academic and business-focused knowledge. Students can test their business and marketing skills in FBLA (Future Business Leaders of America) and/or DECA competitions with students from around the state of Colorado.

High School of Business™ Pathway Sequence

Grade 9	Business Foundations I and II
Grade 10	*Business Economics, *Principles of Business
Grade 11	*Principles of Marketing, *Principles of Finance
Grade 12	*Principles of Mgmt, *Business Strategies

*Required Classes to earn HSoB certificate/cord

HSoB Foundations I

Prerequisite	none
Offered	fall or spring
Grades	9-10
Fee	\$25 (Dues for FBLA)

Introduces students to key leadership and ethical knowledge and skills, including integrity, trust, accountability, transparency, fairness, respect, rule of law, and viability. Throughout the course, students apply ethical principles to contemporary, real-world situations that teens and young adults often encounter in school, at home, with friends, and in entry-level job positions. Students will also learn Microsoft Office skills that are necessary to give them a competitive edge in today's business world.

HSoB Foundations II

Prerequisite	none
Offered	fall
Grades	9-10
Fee	\$25 (dues for FBLA)

Students acquire an understanding and appreciation of the need for personal financial management and investing. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Students will also learn the Microsoft office skills necessary to give them a competitive edge in today's business world.

HSoB Principles of Business

Prerequisite	Business Economics, GPA of 2.5 or higher
Offered	spring
Grades	10 (This is the second of six classes required to complete the HSoB™ Certificate)
Fee	\$25.00 (Dues for FBLA)

Q: What do your favorite rock group's tour schedule, the logo on a coffee mug, and the Wall Street Journal have in common? A: Business. It's everywhere. Principles of Business will open your eyes to the world of business. During the course you will be introduced to some of the major areas of business administration (marketing, management, and finance) through fun, real world projects. This is a college Concurrent Enrollment class with Arapahoe Community College for 3 credit hours. A final grade of C or better is required to obtain college credit.

HSoB Business Economics

Prerequisite	GPA 2.5 or higher
Offered	fall (paired w/ Prin of Business)
Grades	10 (This is the first of six classes required to complete HSoB™ Certificate)
Fee	\$25.00 (Dues for FBLA)

Ever thought about the choices that the Three Little Pigs made from an economic perspective? In Business Economics, you will consider how decisions (such as work vs. play or sticks vs. straw) affect businesses and individuals in the short and long term. You will also conduct research and examine business problems as you learn about microeconomic, macroeconomic and international economic concepts. This is a college Concurrent Enrollment class with Red Rocks Community College for 3 credit hours. A final grade of C or better is required to obtain college credit.

HSoB Principles of Marketing

Prerequisite	Prin of Business
Offered	fall
Grades	11-12 (This is the third of six classes required to complete the HSoB™ Certificate)

Fee \$25.00 (Dues for DECA)

Why would Volkswagen choose an e-mail campaign over a television commercial? How does Nike determine its pricing strategy? Through projects and problem solving you will get inside marketers' heads and find out what makes them tick. Projects in the course will challenge you to analyze the business world around you, work through key marketing decisions such as pricing and product image, and use your knowledge to develop a marketing strategy.

[HSoB Principles of Finance](#)

Prerequisite Principles of Marketing
Offered spring
Grades 11-12(This is the fourth of six classes required to complete the HSoB™ Certificate)
Fee \$25.00 (Dues for DECA)

Can you imagine a company president who doesn't understand finances? Learning how companies manage their money is important in any business career. In this course, you will face issues that concern financial markets and institutions. This includes how companies get money for improvements (a new building, a Super Bowl advertisement), make money (sales of products, investments), and keep track of money (understanding financial reports, making smart and ethical decisions). The projects in this High School of Business™ course provide hands-on experience in this important area of business administration.

[HSoB Principles of Management](#)

Prerequisite Principles of Finance
Offered fall
Grades 12 (This is the fifth of six classes required to complete the HSoB™ Certificate)
Fee \$25.00 (Dues for DECA)

Get an up-close look at managing. You'll learn first-hand how to manage projects and people—and how to do it ethically and legally. This course includes individual and group work as you conquer problems in the different areas of management, such as human resources management, risk management, project management, and knowledge management. *Can double up with HSoB Finance or Marketing in grade 12

[HSoB Business Strategies](#)

Prerequisite Principles of Management
Offered spring
Grades 12 (This is the sixth of six classes required to complete the HSoB™ Certificate)
Fee \$25.00 (Dues for DECA)

Here's where it all comes together. In this course you will run your own business. Using the smarts you gained in previous High School of Business™ courses, you'll start by writing a real business plan. Then you'll put that plan to action by opening and operating a business. You will tackle problems real business professionals face, such as interviewing, hiring and supervising staff, keeping financial records, evaluating results, and much more. Along the way you'll find out how the areas of a company (marketing, finance, management, etc.) work together. *Can double up with HSoB Finance or Marketing in grade 12

[CareerLaunch Internship Program](#)

Credit: 5-10 Elective Credits each semester
Prerequisite: One year of coursework in an business or engineering class.
Offered: Fall | spring | summer
Grades: Fall and spring - 11th and 12th
Summer - 10th and 11th
Fee: None

This course prepares students for internships in a work, business, or industry setting. Students then participate in 100 hour internships (approximately 8-10 hours/week) offering opportunities to apply the skills they have been learning in their Engineering course(s) to real work situations. Students have the opportunity to earn up to \$1000 per semester (based on performance). Students must be able to arrange schedule to have the last block of the day off to go to their internship.

[CareerResidency Apprenticeship Program](#)

[STARTING IN 2019-2020 SCHOOL YEAR](#)

Open to students in 11th and 12th grade
Application required. Please see your counselor.

This groundbreaking component of CareerConnect revolutionizes high school education and workforce development in Denver and provides students with direct routes to careers and higher education. CareerResidency students will have the opportunity in 11th grade to participate in a paid apprenticeship program, spending two days per week in the traditional classroom and three days in a business or training center. The CareerResidency links the theory taught in the classroom with the application in business and industry. All students completing the CareerResidency program will earn a high school diploma plus an associate's degree or certificate program. The CareerResidency is currently available in four industries: Information Technology, Healthcare, Advanced Manufacturing, Banking & Finance. [For more information](http://www.dpscareerconnect.org/careerresidency/)

EngineeringConnect Pathway/PLTW

Sequence of classes:

Year 1 – Introduction to Engineering
Year 2 – Principles of Engineering
Year 3 – Digital Electronics AND/OR
Energy Industry Fundamentals
Year 4 – Engineering Design & Development
CAD SolidWorks Certification (CE credit through RRCC)

Project Lead the Way (PLTW) is more than just another high school engineering program. It is about applying engineering, science, math, and technology to solve complex, open-ended problems in a real-world context. Students focus on the process of defining and solving problems, not on getting the "right"

answer. They learn how to apply STEM (science, technology, engineering, mathematics) knowledge, skills, and habits of mind to make the world a better place through innovation. This pathway prepares students for careers or two or four-year college programs. University of Colorado at Colorado Springs (UCCS) and PLTW have an articulation agreement that provides college credit for PLTW classes if the student attend UCCS after high school. PLTW courses include IED, POE, DE and EDD – see descriptions below.

[Honors Intro to Engineering Design \(IED\)](#)

Prerequisite none
Offered year
Grades 9-12
Fee none

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work. This course is required to continue on to any other Engineering course.

[Honors Principles of Engineering \(POE\)](#)

Prerequisite Intro to Engineering Design
Offered year
Grades 10-12
Fee none

POE is the second year required class in the Engineering Pathway. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. Student take on real and current world challenges like designing self-driving cars and renewable energy. Mentorship opportunities with working professionals are embedded into this course. *Students in grades 11 or 12 can earn Science Elective credit for this course.

[CAD 101 - Computer Aided Drafting \(Concurrent Enrollment\)](#)

[CAD 256 - SolidWorks \(Concurrent Enrollment\)](#)

Prerequisite: IED, 85% attendance, 2.5 GPA
Offered year
Grades 11-12
Fee none

CAD 256 a SolidWorks Certificate class is part of the Engineering Graphics Technology pathway at Red Rocks Community College. The classroom here at JFK will provide experience in the team approach to problem-solving. You will use Computer-Aided Design (CAD) to form the foundation for drafting standards, conventions, layouts, designs, and details of working drawings and models. Specifications, handbooks, and technical data applicable to engineering graphics are emphasized.

[Energy Industry Fundamentals \(Energy Careers\)](#)

Prerequisite Principles of Engineering
Offered year

Grades 11-12
Fee none

Clean energy is one of the **fastest-growing**, most innovative **sectors of our economy**. A recent U.S. Department of Energy (DOE) report on [jobs and the economy](#) found that 6.4 million Americans work in the energy sector, with 300,000 jobs added last year. A huge percentage of these new jobs are in renewable energy and efficiency. EIF is one of the third year electives in the Engineering Pathway. EIF delves into emerging technologies, and the connection to careers in the energy industry. Students investigate and design solutions to **real-world challenges** working with **mentors** in the **renewable energy industry**. In addition, this class provides a broad understanding of the electric and natural gas utility industry and the energy generation, transmission, and distribution infrastructure, commonly called the "largest machine in the world," which forms the backbone for the industry. The course includes types of energy how they are regulated, and how they are converted to useable energy such as electric power. Additionally, student learn how power is generated, transmitted and distributed to the point of use. There is an emphasis on robotics throughout the course. Mentorship opportunities with working professionals are embedded into this course

[Honors Digital Electronics \(DE\)](#)

Prerequisite Principles of Engineering
Offered year
Grades 11-12
Fee none

From smart phone to appliances, digital circuits are all around us. This course provides a foundation for students who are interested in electrical engineering, electronics, or circuit design. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices. There is an emphasis on robotics throughout the course. Mentorship opportunities with working professionals are embedded into this course

[Honors Engineering Design and Development \(EDD\)](#)

Prerequisite IED, POE, AND DE
or teacher permission
Offered year
Grades 12
Fee none

An engineering research course in which students work in teams to research, design and construct a solution to an open-ended engineering problem. Students apply principles developed in the four preceding courses and are guided by a community mentor. They must present progress reports, submit a final written report and defend their solutions to a panel of outside reviewers at the end of the school year.

[CareerLaunch Internship Program](#)

Credit: 5-10 Elective Credits each semester
Prerequisite: One year of coursework in an engineering or business class.

Offered: Fall | spring | summer
Grades: Fall and spring - 11th and 12th
Summer - 10th and 11th
Fee: None

This course prepares students for internships in a work, business, or industry setting. Students then participate in 100 hour internships (approximately 8-10 hours/week) offering opportunities to apply the skills they have been learning in their Engineering course(s) to real work situations. Students have the opportunity to earn up to \$1000 per semester (based on performance). Students must be able to arrange schedule to have the last block of the day off to go to their internship

[CareerResidency Apprenticeship Program](#)

BEGINNING IN 2019-2020 SCHOOL YEAR

Open to students in 11th and 12th grade

Application required. Please see your counselor.

This groundbreaking component of CareerConnect revolutionizes high school education and workforce development in Denver and provides students with direct routes to careers and higher education. CareerResidency students will have the opportunity in 11th grade to participate in a paid apprenticeship program, spending two days per week in the traditional classroom and three days in a business or training center. The CareerResidency links the theory taught in the classroom with the application in business and industry. All students completing the CareerResidency program will earn a high school diploma plus an associate's degree or certificate program. The CareerResidency is currently available in four industries: Information Technology, Healthcare, Advanced Manufacturing, Banking & Finance. [For more information: http://www.dpsccareerconnect.org/careerresidency/](http://www.dpsccareerconnect.org/careerresidency/)

MedConnect Pathway

Sequence of classes:

Year 1 – CTE Health Science

Year 2 – Anatomy & Physiology

Year 3 – CTE Intro to Sports Medicine 1 & 2

Year 4 – CTE Intro to Sports Medicine 3

Students are also prepared in year 3 to take several MedConnect related courses at the Career Education Center, which in grade 12 can culminate in earning the Certified Nursing Assistant certification.

CTE Health Science I

Prerequisite	Interest in Medical Field
Offered	year
Grades	9-12
Fee	\$35

Introduction to Health Science I is designed to give an overview of the therapeutic, diagnostic, environmental, and information systems of the health care industry. The course focuses on health careers, exploration, leadership development, ethical and legal responsibilities, the history of health care and the economics of health care. Students will develop a concept of health and wellness from the perspective of a health consumer, as well as a potential health professional.

Anatomy and Physiology Honors

Prerequisite	none
Offered	year
Grades	10-12
Fee	none

The first semester course focuses on the study of Integumentary muscle skeletal and nervous systems, including the structure`

function and chemistry of these systems. The second semester focuses on the cardiovascular, respiratory, digestive, urinary, endocrine, lymphatic systems, including structure, function and chemistry of these systems.

CTE Sports Medicine 1 & 2

Prerequisite	Biology, Anatomy preferred
Offered	year
Grades	11-12
Fee	\$35

This course will introduce students to academic skills to include: medical terminology as well as prevention and treatment of athletic injury. In addition, the student will study the human body (anatomy, physiology, and emergency medicine). Upon successful completion, the student will receive Cardio-Pulmonary Resuscitation Certification (CPR). Instruction is designed to prepare and enhance students as candidates for college/university entry level in Health Science careers.

CE CTE Sports Medicine 3

Prerequisite	CTE Sports Medicine 2
Offered	year
Grades	12
Fee	none

This course will be their final Sports Medicine class in the pathway. Students will obtain and maintain an internship shadowing the Sports Medicine professional of their choice. During this time students will continue to be exposed to academic skills, which include: medical terminology as well as prevention and rehabilitation of athletic injury. In addition the student will study the human body (anatomy, physiology, and emergency medicine) in the field.

Concurrent Enrollment

John F. Kennedy High School is excited to offer concurrent enrollment courses at JFK. Students gain exposure to the college experience without leaving the halls of JFK! These courses can earn both high school and college credit and Denver Public Schools pays for the tuition. Students must earn a C or higher to receive college credit. If a student earns an F, he/she is responsible for the tuition for the course. In addition to the courses listed below, students can take classes at Community College of Denver, Arapahoe Community College, Red Rocks Community College, or Emily Griffith Technical College. Please see your counselor for more information on these options.

CE AAA 109

Prerequisite	85% Attendance
Offered	fall or spring
Grades	11-12
Fee	none

Examines theories and practices associated with successful learning to enhance college success. Recommended for new and returning students, this course study areas including education and career planning, effective communication, personal management, critical and creative thinking, development of community and awareness of diversity, leadership, and techniques for

successful academic performance. This class is highly encouraged for any student planning to attend college after high school!!

CE CCR 092 – College Composition

Prerequisite	qualifying score on Accuplacer
Offered	fall
Grades	12
Fee	none

This Developmental Education Course is required of students placing below college ready benchmarks on ACT or Accuplacer. While the course does not earn college credit, it is a pre-requisite

if a student does not initially place into the college level course. If a student earns an F, he/she is responsible for the tuition for the course. This course integrates and contextualizes college level reading and writing. Students will read and understand complex materials and respond to ideas and information through writing informative and/or persuasive texts. After successfully completing CCR 092, students will continue on into English 121 second semester.

CE English 121 – English Composition I

Credit 5 HS and 3 college credits per semester
 Prerequisite qualifying score on SAT or Accuplacer
 Offered fall (spring if preceded by C or higher in CCR 092)
 Grades 12
 Fee none

John F. Kennedy High School is excited to offer concurrent enrollment courses at JFK. Students gain exposure to the college experience without leaving the halls of JFK! These courses can earn both high school and college credit and Denver Public Schools pays for the tuition. Students must earn a C or higher to receive college credit. If a student earns an F, he/she is responsible for the tuition for the course. English 121 emphasizes the planning, writing, and revising of compositions, including the development of critical and logical thinking skills. This course includes a minimum of five compositions that stress analytical, evaluative, and persuasive/argumentative writing. This course is one of the Statewide Guaranteed Transfer courses.

CE English 122 – English Composition II

Credit 5 HS and 3 college credits per semester
 Prerequisite C or higher in English 121
 Offered spring
 Grades 12
 Fee none

Students must earn a C or higher to receive college credit. If a student earns an F, he/she is responsible for the tuition for the course. English 122 expands and refines the objectives of English Composition I. Emphasizes critical/logical thinking and reading, problem definition, research strategies, and writing analytical, evaluative and/or persuasive papers that incorporate research. This course is one of the Statewide Guaranteed Transfer courses.

CU Succeed Intro to Ethnic Studies – ETST 2000

Credit 5 HS and 3 college credits per semester
 Prerequisite 2.5 GPA, 85% attendance recommended
 Offered fall (paired with African Am. History)
 Grades 11-12
 Fee none

John F. Kennedy High School is excited to offer courses through the CU Succeed Program. This is a unique opportunity for JFK students to gain exposure to the college experience! Students enroll in University of Colorado Denver courses taught by qualified UCD teachers, and Denver Public Schools pays for the tuition. All courses are taken for college credit with a letter grade and appear on a CU Denver transcript. Students must earn a C or higher to receive college credit. If a student earns an F,

he/she is responsible for the tuition for the course. ETST 1000 Multi-disciplinary survey of contemporary and historical research analyses of the diverse social, economic, political and cultural facets of African American, American Indian, Asian American and Latino communities and cultures.

CU Succeed African American History – ETST 2155

Credit 5 HS and 3 college credits per semester
 Prerequisite 2.5 GPA, 85% attendance
 Offered spring (paired with Ethnic Studies)
 Grades 11-12
 Fee none

John F. Kennedy High School is excited to offer courses through the CU Succeed Program. This is a unique opportunity for JFK students to gain exposure to the college experience! Students enroll in University of Colorado Denver courses taught by qualified UCD teachers, and Denver Public Schools pays for the tuition. All courses are taken for college credit with a letter grade and appear on a CU Denver transcript. Students must earn a C or higher to receive college credit. If a student earns an F, he/she is responsible for the tuition for the course. ETST 2155 surveys the history of African Americans. Study interpretations, and analysis of major problems, issues, and trends affecting the African American population from pre-slavery to the present.

CU Succeed Intro to Sociology (SOCY 1001)

Credit 5 HS and 3 college credits per semester
 Prerequisite 2.5 GPA, 85% attendance recommended
 Offered fall
 Grades 11-12
 Fee none

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CU Succeed Social Psychology (SOCY 2462)

Credit 5 high school and 3 college
 Prerequisite 2.5 GPA, 85% attendance
 Offered spring (paired with Intro to Sociology)
 Grades 11-12
 Fee none

John F. Kennedy High School is excited to offer courses through the CU Succeed Program. This is a unique opportunity for JFK students to gain exposure to the college experience! Students enroll in University of Colorado Denver courses taught by qualified UCD teachers, and Denver Public Schools pays for the tuition. All courses are taken for college credit with a letter grade

and appear on a CU Denver transcript. Students must earn a C or higher to receive college credit. If a student earns an F, he/she is responsible for the tuition for the course. SOCY 2462 Studies the development and functioning of persons, especially within a group context, and the dynamics of small groups. Emphasis is on import of symbols for human behavior, development of self-concepts, and the processes of completion and cooperation in group dynamics.

[CU Succeed Intro to Criminal Justice](#)

Credit	5 HS and 3 college credits
Prerequisite	2.5 GPA, 85% attendance recommended
Offered	fall or spring
Grades	11-12
Fee	none

John F. Kennedy High School is excited to offer courses through the CU Succeed Program. This is a unique opportunity for JFK

students to gain exposure to the college experience! Students enroll in University of Colorado Denver courses taught by qualified UCD teachers, and Denver Public Schools pays for the tuition. All courses are taken for college credit with a letter grade and appear on a CU Denver transcript. Students must earn a C or higher to receive college credit. If a student earns an F, he/she is responsible for the tuition for the course. This course is designed to provide an overview of the criminal justice process and the criminal justice system in general. Concepts of crime, deviance and justice are discussed and general theories of crime causality are examined. Special emphasis is placed on the components of the criminal justice system; the police, the prosecutorial and defense functions, the judiciary and the field of corrections.

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CAD - Computer Aided Drafting - [Page 15](#)

ASCENT Program

The ASCENT Program, is Colorado legislation that allows Denver Public Schools (DPS) and other school districts to pay the tuition (cost of classes) for one full year of college for participating students. Passed into law as the ASCENT program in 2009, the purpose of the College First Program is to improve academic programming and create a path for students to enroll in college courses and earn credits while in high school.

Specifically, the program gives high school students the opportunity to attend college as full-time students if they have met the specific qualifications outlined below. For the students who qualify, DPS pays the tuition, or cost of classes, for students for one academic year (fall and spring). Students are eligible to enroll in a minimum of 12 credit hours each semester at one of many participating colleges listed below. The program gives students the chance to get a head start on earning a certificate, associate's degree, or bachelor's degree while saving families money.

HOW TO QUALIFY

To participate, high school seniors must do the following:

- **Apply by submitting an *Intent to Participate* application during their senior year.**
- **Meet all DPS high school graduation requirements.**
- **Complete and pass 12 credit hours (typically four classes) of college coursework prior to the end of the 12th grade**
These courses must be 100 level or higher and must be on the student's high school and college transcripts.
- **Have at least a 2.0 cumulative or overall grade point average (GPA).**
- **Apply and be admitted to one of the following institutions:**
 - Arapahoe Community College
 - Community College of Aurora,
 - Community College of Denver,
 - Emily Griffith Technical College
 - Front Range Community College
 - Pickens Technical College
 - Pueblo Community College
 - Red Rocks Community College
- **Must be college ready as determined by SAT scores or Accuplacer scores.**
SAT: Math 500 or higher; Evidence Based Reading/Writing 480 or higher
Accuplacer: Elementary Algebra (85); Accuplacer Sentence Skills (95); Reading Comprehension (80);
- **Complete a Personal Education Plan (PEP).**
- Register with the College Opportunity Fund (COF).

English

40 credits of English credits are required for graduation. Students are required to complete a full year of Introduction to Literature and Composition and American Literature and Composition. Ten credits must be an upper division writing course such as World Literature and Composition or British Literature and Composition. The other 10 credits are the student's choice. All English courses revolve around these processes: reading, speaking, writing, and listening. Students will be exposed to a variety of literary genres, authors, and periods. Students will graduate with an understanding of literature as a historical piece, as well as how literature reflects our lives today.

9	10	11	12
English 1 Honors	English 2	IB DP English, AP English Language	IB DP English, CE English 121/122
English 1	English 2 Honors	English 3/English 3 Honors	CE CCR 092, AP English Language, Contemporary Literature

English 1

Prerequisite	none
Offered	year
Grades	9-12
Fee	none

This is an introductory course organized around three genres: poetry, the short story, and the novel. Second semester continues the aforementioned genres, adding drama to the study. In addition to the literature, students will study spelling, vocabulary, composition, grammar, oral communication and reference skills.

Honors English 1

Prerequisite	C or higher in previous English courses recommended
Offered	year
Grades	9-12
Fee	none

This course emphasizes composition and grammar and their applications to literature at an accelerated level. During the semester, students will be expected to read several novels outside of class, work with peers on class projects, and use outside resources to help strengthen their knowledge of the literature and its historical background.

English 2

Prerequisite	none
Offered	year
Grades	10-12
Fee	none

Students will be introduced to the significant literature and writers of America from 1500 to the present day, as well as familiarize them with the philosophical, historical, social, and moral forces that have shaped our American culture. Students will be expected to write a clear, well-organized essay, develop communication skills, and read several novels.

Honors English 2

Prerequisite	C or higher in previous English courses recommended
Offered	year
Grades	10-12
Fee	none

This is an accelerated course that will introduce students to the significant literature and writers of America from 1500 to the present day, as well as familiarize them with the philosophical, historical, social, and moral forces that have shaped our American culture.

English 3

Prerequisite	none
Offered	year
Grades	11-12
Fee	none

In this class, students will begin with an investigation of culture, working towards a definition and an understanding of the commonalities and differences among human cultures as represented in literature, media, and non-fiction from around the world

AP English Language

Prerequisite	none
Offered	year
Grades	11-12
Fee	cost of AP Exam

The purpose of this course is to help students "write effectively and confidently in their college courses across the curriculum and in their professional and personal lives" (The College Board, AP English Course Description, May 2007, p. 6). The course is organized according to the requirements and guidelines of the current AP English Course Description, and, therefore, students are expected to read critically, think analytically, and communicate clearly both in writing and speech. This accelerated course prepares students for the AP Language and Composition

exam through reading and analysis of non-fiction essays and literature in addition to polishing critical thinking and writing skills. Because students who pass the AP exam may earn college credit, the degree of difficulty is high. Qualities of AP include a mature perspective (global and historical), an analytical voice, a flow to the writing and organizational structure, and correctness in grammar. Students will learn to analyze diction, syntax, and figures of speech as part of the deconstruction of language, and will understand rhetorical strategies in the context of public discourse, as well as demonstrate the ability to synthesize the information from multiple sources into revised essays and papers as well as timed. They will be expected to complete summer reading in preparation for the course. DPS policy states that in order to receive weighted credit for an AP class, students must be enrolled in the course for two semesters and take the exam.

Contemporary Literature

Prerequisite	none
Offered	fall, spring, or both
Grades	12
Fee	none

The first semester of Contemporary Literature is the study of literature in our modern world. This course incorporates culturally diverse pieces of literature and philosophies. The selections should come from diverse parts of the world, diverse cultures, and ideologies. There is an emphasis on understanding ideas presented in the literature and finding enjoyment in reading. There will be emphasis on expressing this understanding and enjoyment orally and in writing. Different texts will be explored each semester so students can take either semester or both.

CCR 092 – College Reading and Composition

Prerequisite	qualifying score on Accuplacer
Offered	fall
Grades	12
Fee	none

This Developmental Education Course is required of students placing below college ready benchmarks on ACT or Accuplacer. While the course does not earn college credit, it is a pre-requisite if a student does not initially place into the college level course. If a student earns an F, he/she is responsible for the tuition for the course. This course integrates and contextualizes college level reading and writing. Students will read and understand complex materials and respond to ideas and information through writing informative and/or persuasive texts. After successfully completing CCR 092, students will continue on into English 121 second semester.

English 121 – English Composition I Concurrent Enrollment

Credit	5 HS and 3 college credits
Prerequisite	qualifying score on ACT or Accuplacer
Offered	fall (spring if C or higher in CCR 092)
Grades	12
Fee	none

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English 122 – English Composition II

Concurrent Enrollment	
Credit	5 HS and 3 college credits
Prerequisite	C or higher in English 122
Offered	spring
Grades	12
Fee	none

Students must earn a C or higher to receive college credit. If a student earns an F, he/she is responsible for the tuition for the course. English 122 expands and refines the objectives of English Composition I. Emphasizes critical/logical thinking and reading, problem definition, research strategies, and writing analytical, evaluative and/or persuasive papers that incorporate research. This course is one of the Statewide Guaranteed Transfer courses.

DP Diploma World Literature HL 1, 2, 3, 4

Credit	5 each semester/20 over 2 years
Prerequisite	Acceptance into IB Diploma Program
Offered	over 2 years
Grades	11-12
Fee	Books must be purchased, Examination fees

The IB Diploma World Literature HL course is a four semester course concentrating on world literature using discussion, oral interpretations, and written responses as assessments. Students are encouraged to explore the world, expanding their local view using literature and a global lens. Students accomplish this by reading literature from a variety of countries, time periods and genres. Students who complete this course will become global thinkers and apply this thinking to their everyday lives.

International Baccalaureate Diploma Program

**Students must apply for & be accepted into the IB Diploma Program in order to take these courses.
Students have the potential of earning a year or more of college credit!**

[DP Diploma World Literature HL 1, 2, 3, 4](#)

Credit 5 each semester/20 over 2 years
Prerequisite Acceptance into IB Diploma Program
Offered over 2 years
Grades 11-12
Fee Books must be purchased, Examination fees
The IB Diploma World Literature HL course is a four semester course concentrating on world literature using discussion, oral interpretations, and written responses as assessments. Students are encouraged to explore the world, expanding their local view using literature and a global lens. Students accomplish this by reading literature from a variety of countries, time periods and genres. Students who complete this course will become global thinkers and apply this thinking to their everyday lives.

[DP History of the Americas HL 1, 2, 3, 4](#)

Credit 5 each semester/20 over 2 years
Prerequisite Acceptance into IB Diploma Program
Offered over 2 years
Grades 11-12
Fee Examination fees
History Higher Level Diploma Program will enable the student to understand the connection between the peoples of the Americas (specifically the United States and Canada, Mexico, Caribbean, Central and South America). We will study how different cultures interacted in the 20th century and how international relations in the Western Hemisphere affect them. An understanding of cause and effect and change over time within the century is key to communicating historical knowledge and increasing a life-long interest in history.

[DP Diploma - French SL 1, 2, 3, 4](#)

Credit 5 each semester/20 over 2 years
Prerequisite Acceptance into IB Diploma Program
Offered over 2 years
Grades 11-12
Fee Examination fees
This course is the 5th or 6th year of French language study. It is open to any IB Diploma Candidates with 3 years background in French. The course is offered over 2 years and prepares students for the IB French exam in the spring of their senior year. Students are required to purchase course materials and pay the exam fee. IB French Language is an advanced level course that moves at a fast pace perfecting all aspects of written and oral communication. The emphasis is on perfecting the written composition and communicating about authentic global materials from both today and historical times. Students are expected to reflect on intellectual interests in fine arts, literature, sports, current events and other cultural topics in French.

[DP Diploma Spanish SL or HL 1, 2, 3, 4](#)

Credit 5 each semester/20 over 2 years
Prerequisite Acceptance into IB Diploma Program
Offered over 2 years
Grades 11-12
Fee Books must be purchased, Examination fees
This course will focus on proficiency and acquisition of Language B. It will also develop the listening, speaking, writing and critical thinking and international perspective of the language learner. The students will use a variety of materials ranging from international exams, authentic texts, literature and film, to develop, via reading, speaking, writing and listening, a more international perspective of the language and the people, globally, who use it.

[DP Diploma Biology SL or HL 1, 2, 3, 4](#)

Credit 5 each semester/20 over 2 years
Prerequisite Acceptance into IB Diploma Program
Offered over 2 years
Grades 11-12
Fee Examination fees
The biology student who completes the IB Diploma Biology SL will have an understanding of the universal concepts of cells, chemistry of life, genetics, evolution, plant biology, ecology and conservation as well as human anatomy, health and physiology. This body of knowledge will be used to create an ability to analyze and evaluate scientific information. A rigorous course will be provided that allows for scientific study and creativity within a global context. Students studying IB Diploma Biology SL will be afforded opportunities for inspirational and challenging scientific study with a global perspective.

[DP Diploma Mathematical Studies SL 1, 2, 3, 4](#)

Credit 5 each semester/20 over 2 years
Prerequisite Acceptance into IB Diploma Program
Offered over 2 years
Grades 11-12
Fee Examination fees
Students who complete the IB Diploma Mathematics Studies SL course will gain confidence in their mathematical abilities along with an appreciation of the mathematics existing all around them all over the world. The focus of this course is the application of mathematics in everyday life. The students will become thinkers, developing thinking, understanding and reasoning skills as they exercise patience and persistence in their problem solving. Internationalism will be addressed in every aspect of this course. Students will discuss mathematical history including the lives of mathematicians and mathematical discoveries through a window of their cultural context. Mathematics will be viewed through its

differences in notation and its universality as a means of communication.

DP Diploma Mathematics SL 1, 2, 3, 4

Credit	5 each semester/20 over 2 years
Prerequisite	Acceptance into IB Diploma Program
Offered	over 2 years
Grades	11-12
Fee	Examination fees

Students who choose IB Diploma Mathematics SL are those who will need an understanding of and competence with mathematical concepts as they pursue study in other fields such as economics, business, chemistry or psychology. These students will enter this course of study equipped with knowledge of basic mathematical concepts and skills. Through this course they will gain the skills needed to apply simple mathematical techniques correctly. IB's objectives that students develop an appreciation of the elegance, power and usefulness of mathematics and that they are able to transfer skills to alternative situations and future developments are thoroughly achieved as students apply their mathematical knowledge in realistic problem solving.

DP Visual Arts SL or HL 1, 2, 3, 4

Credit	5 each semester/20 over 2 years
Prerequisite	Acceptance into IB Diploma Program
Offered	over 2 years
Grades	11-12
Fee	Books must be purchased, Examination fees

IB Diploma Visual Arts is designed to provide students with a structured studio experience in which they can develop their technical abilities and increase their skills as communicators through the use of sophisticated concepts and visual images. The course will provide opportunities to explore and study visual art of the past and present, as well as emerging trends. Through the utilization of a wide variety of art-making techniques and the development of an investigation workbook students will create works of art with an emphasis on form and content.

DP Film SL or HL 1, 2, 3, 4

Credit	5 each semester/20 over 2 years
Prerequisite	Acceptance into IB Diploma Program
Offered	over 2 years
Grades	11-12
Fee	Examination fees

Through the study and analysis of film texts and exercises in film-making, the Diploma Program film course explores film history, theory and socio-economic background. The course develops students' critical abilities, enabling them to appreciate the multiplicity of cultural and historical perspectives in film. To achieve an international understanding within the world of film, students are taught to consider film texts, theories and ideas from the points of view of different individuals, nations and cultures.

DP Psychology SL or HL 1, 2, 3, 4

Credit	5 each semester/20 over 2 years
Prerequisite	Acceptance into IB Diploma Program
Offered	over 2 years
Grades	11-12
Fee	Examination fees

The IB Diploma Programme psychology course is the systematic study of behavior and mental processes. Since the psychology course examines the interaction of biological, cognitive and sociocultural influences on human behavior, it is well placed in group 3, individuals and societies. Students undertaking the course can expect to develop an understanding of how psychological knowledge is generated, developed and applied.

DP Theory of Knowledge 1, 2

Credit	5 each semester
Prerequisite	Acceptance into IB Diploma Program
Offered	year
Grades	11
Fee	none

The first year IB Diploma Theory of Knowledge course provides students with an introduction to the full IB Diploma Program. We will introduce the key terms and concepts of the IB Theory of Knowledge class, begin the process of examining and writing the Extended Essay, and work on the Creativity, Activity, Service component of the program. You will also receive academic support, an understanding of how to build an work in effective student groups, and monitoring and support throughout your initial year in the program to help ensure your success.

DP Theory of Knowledge 3, 4

Credit	5 each semester
Prerequisite	Acceptance into IB Diploma Program
Offered	year
Grades	12

The IB Diploma Theory of Knowledge course provides students with an "interactive key" to unlocking the floodgates of knowledge itself by employing a liberal arts approach while eschewing an over-reliance on the traditional research-based information acquisition model. Encouraging students to think critically about the nature of knowledge, the course helps students to synthesize and process the myriad stimuli of the world around them, acknowledging all the while that they are the actual "knower's" in the process. Ultimately, the students will come to perceive the importance of their own responsibility as they come to an understanding of the dynamic inter-relationship between themselves and the world to which they are ethically and morally tied.

Junior Reserve Officer Training Corps (JROTC)

ALL JROTC courses count towards your PE credit for graduation.

The mission of the JROTC is to motivate young people to be better citizens. Students will receive instruction in Leadership Theory and Application, Foundations for Success, Wellness, Fitness and First Aid, Geography and Earth Science, Citizenship, and American History, and Firearm Safety and Rifle Marksmanship. Students are required to wear a uniform once a week. JROTC provides students with opportunities to be members of competitive drill and rifle teams and to achieve success in various levels of leadership positions within the program. Completion of one semester fulfills a semester of PE requirements.

LET 1 – ROTC 1

Prerequisite	none
Offered	fall
Grades	9-12
Fee	none

The first semester of an eight-semester program. The first year cadet is introduced to ethical values, principles of good leadership and how to communicate effectively with others. Cadets are also taught how to work effectively as a team member. Sub courses offered during this semester include Citizenship in Action, Leadership Theory and Application, Foundations for Success, and Marksmanship Safety.

LET 1 – ROTC 2

Prerequisite	ROTC 1
Offered	spring
Grades	9-12
Fee	none

The second semester of an eight-semester program. During the second semester cadets receive instruction in Wellness and Fitness with intervention and prevention on substance abuse. Instruction covers the value of physical exercise, conditioning, proper diet and personal hygiene. Cadets are taught citizenship through history, developing communication skills, first aid and life saving skills and familiarization with road maps, topographical maps and compass. The JROTC cadet may advance to the rank of corporal by the end of the first year.

LET 2 – ROTC 3

Prerequisite	ROTC 2
Offered	fall
Grades	10-12
Fee	none

The third semester of an eight-semester program. The second year cadet is given positions of greater responsibility in leadership roles. During this semester academic instruction focuses on wellness, fitness, first aid, leadership application, service learning and community service. Cadets will be introduced to small group instruction and how to manage their groups.

LET 2 – ROTC 4

Prerequisite	ROTC 3
Offered	spring
Grades	10-12
Fee	none

The fourth semester of an eight-semester program. In the LET 2 second semester, cadets are prepared for the LET 3 level. Cadets who show leadership potential will begin to learn about leadership position and roles within the JROTC program. Instruction will focus on citizenship in American History and Government, Leadership Application, Geography, more advanced map skills, environmental awareness, service learning, community service and physical fitness assessment.

LET 3 – ROTC 5

Prerequisite	ROTC 4
Offered	fall
Grades	11-12
Fee	none

The fifth semester of an eight-semester program. The LET 3 first semester focuses on leadership application and leadership strategies. By this time most LET 3 cadets are serving in a leadership position and are required to manage other cadets in a classroom environment. Instruction focuses on Leadership strategies in teamwork, decision-making, supervising, and mentoring; and in academic areas of financial management, the value of insurance, better writing skills and better speaking skills.

LET 3 – ROTC 6

Prerequisite	ROTC 5
Offered	spring
Grades	11-12
Fee	none

The sixth semester of an eight-semester program. The LET 3 second semester continues with Leadership Application and active participation in leadership performance. Cadets are required to lead junior cadets in the classroom and in several activities such as: physical conditioning, drill and ceremonies, inspection procedures and small group instruction. Academic instruction focuses on career planning, social responsibilities, citizenship, and more leadership strategies.

LET 4 – ROTC 7

Prerequisite	ROTC 6
Offered	fall
Grades	12
Fee	none

The seventh semester of an eight-semester program. The fourth year cadet is usually heavily involved in the JFK Battalion operations in some form of a leadership position. These cadets perform a myriad of tasks developed to prepare them for future management and leadership roles in the civilian/military world. In

this semester LET 4s are preparing for their annual battalion inspections. Instruction during this semester includes: Information about the Armed Forces, Leadership Principles, and elective sub-courses covering wilderness survival and resume development.

LET 4 – ROTC 8

Prerequisite	ROTC 7
Offered	spring
Grades	12
Fee	none

The eighth semester of an eight-semester program. The second semester is the final semester for LET 4s in the JROTC program. This semester culminates with a formal/informal inspection that is 100% run by LET 3/4 cadets. For LET 4s this is their graduation final in JROTC and is usually a testament of what they have learned in much of the JROTC instruction over the last four years. Academic instruction consists of: Investment of money in savings and mutual funds, teaching skills, fitness, cold weather protection, rope skills, map reading and portfolio development.

Honor Platoon Drill

Prerequisite	1 semester of JROTC, 3.5 GPA & JROTC instructor permission
Offered	year
Grades	9-12
Fee	none

This course covers JROTC instructional material listed under the main JROTC heading. The Honor Platoon is an academically driven, community service oriented competition drill team that performs at the local, regional, and national levels and is limited to the top 1% of the female student body. Their motto, "Optimum Mulieres" literally means Women of Excellence. Members of this elite team must be members of the National Honor Society, complete 50 hours of community service and school support, and be ambassadors of John F. Kennedy High School. This highly selective team is limited to 25 cadets and a Military Science Instructor approval is required.

The mission of the Honor Platoon is:

- Recruit and develop the brightest minds in the student body
- Instill a devotion to community, school, and team
- Promote dynamic leadership styles and principles
- Nurture strong morals, values, and ethics
- Tap into the unrealized potential of a future professional woman

Lady Commanders Drill Team (Women's Drill)

Prerequisite	1 semester of JROTC and JROTC instructor permission
Offered	year
Grades	9-12
Fee	none

This course covers JROTC instructional material listed under the main JROTC heading. In addition, this course prepares young ladies for competitive drill performances at the local and regional levels. Lady Commander Members are also involved in

community service and community presentations supporting JROTC. Students must be passing all of their classes at the semester end to join the class and any cadet failing two semester classes will not be allowed back in the class the following academic year. At the time of any competitive competition, anyone failing a class will not be eligible to compete.

Men's Drill

Prerequisite	1 semester of JROTC and JROTC instructor permission
Offered	year
Grades	9-12
Fee	none

This course covers JROTC instructional material listed under the main JROTC heading. In addition, this course prepares young men for competitive drill performances with rifles at the local, regional and national levels. Men's Drill Members are also involved in community service and community presentations supporting JROTC. Students must be passing all of their classes at the semester end to join the class and any cadet failing two semester classes will not be allowed back in the class the following academic year. At the time of any competitive competition, anyone failing a class will not be eligible to compete.

Rifle Marksmanship

Prerequisite	JROTC instructor permission
Offered	year
Grades	9-12
Fee	none

This course covers JROTC instructional material listed under the main JROTC heading. In addition, this course instructs students in rifle and marksmanship safety, marksmanship techniques and competitive marksmanship procedures. This course is a beginner's course for new marksmanship. Students must be passing all of their classes at the semester end to join the class and any cadet failing two semester classes will not be allowed back in the class the following academic year. At the time of any competitive competition, anyone failing a class will not be eligible to compete.

ROTC Leadership

Prerequisite	Selection for Battalion Staff or Assistant Staff, 3.0 GPA, and JROTC instructor permission
Offered	year
Grades	10-12
Fee	none

This course covers JROTC instructional material listed under the main JROTC heading. In addition, this course emphasizes command and staff duties and responsibilities. Students coordinate and work with other members of the Battalion staff in managing the Corps of Cadets. Staff selections are in the spring. Students must be passing all of their classes at the semester end to join the class and any cadet failing two semester classes will not be allowed back in the class the following academic year. At the time of any competitive competition, anyone failing a class will not be eligible to compete.

Mathematics

Four years of math (40 hours) are required for graduation. Our highly qualified math teachers focus on the seven mathematics standards for success. These include number sense, algebraic and geometric concepts, data analysis, problem solving, and technology.

9	10	11	12
Integrated Math 2 Honors	Integrated Math 3 Honors	IB DP Math, IB DP Math Studies, Honors, Pre-Calculus, AP Statistics	IB DP Math, IB DP Math Studies, AP Calculus AB, AP Statistics, CE Math, Honors Pre-Calculus
Integrated Math 1	Integrated Math 2 Honors or Integrated Math 2	Integrated Math 3 Honors or Integrated Math 3	Pre-Calculus, Financial Algebra, or CE College Math

Integrated Math 1

Prerequisite	none
Offered	year
Grades	9-12
Fee	none

This course is designed to meet the expectations called for by the content and practice standards of the Common Core. Students will explore solving and interpreting solutions to equations, inequalities, and systems of equations (2 x2) and inequalities; creating functions and/or recursive formulas to model situations; fitting a function to a given set of data; comparing the properties of functions each represented in a different way; understanding the effect of transformations on functions and interpreting key features; creating visual displays and summary statistics to describe data; justifying congruence and similarity between geometric figures based on transformations; using coordinates to prove simple geometric theorems algebraically; and writing proofs of geometric theorems. The focus for functions in Integrated Math 1 is linear and exponential.

Integrated Math 2

Prerequisite	Integrated Math 1
Offered	year
Grades	10-12
Fee	none

This course is designed to meet the expectations called for by the content and practice standards of the Common Core in the areas of algebra, functions, geometry, probability and statistics. Students will explore creating functions and/or recursive formulas to model situations; writing proofs of geometric theorems; justifying congruence and similarity between geometric figures based on transformations; using coordinates to analyze and solve problems involving geometric relationships in the coordinate plane; applying geometric relationships in modeling situations; using trigonometry to solve problems involving right triangles; and using a probability model to mathematically describe and interpret random processes. The focus for functions

in Integrated Math 2 is quadratic, absolute value, and piecewise-defined functions.

Integrated Math 2 Honors

Prerequisite	Integrated Math 1, C or higher in previous math classes recommended
Offered	year
Grades	10-12
Fee	none

This course is an accelerated version of Integrated Math 2 with a more of an in-depth study of the advanced topics.

Integrated Math 3

Prerequisite	none
Offered	year
Grades	11-12
Fee	none

This is the third course in a sequence of rigorous college preparatory mathematics courses. It aims to apply and extend what students have learned in previous courses by focusing on finding connections between multiple representations of functions, transformations of different function families, finding zeros of polynomials and connecting them to graphs and equations of polynomials, modeling periodic phenomena with trigonometry, and understanding the role of randomness and the normal distribution in making statistical conclusions.

Integrated Math 3 Honors

Prerequisite	Integrated Math 2, C or higher in previous math classes recommended
Offered	year
Grades	11-12
Fee	none

This course is an accelerated version of Integrated Math 3 with a more of an in-depth study of the advanced topics.

Pre-Calculus

Prerequisite	Integrated Math 3 or Advanced Alg.
Offered	year

Grades 11-12
Fee none

This two-semester course is designed to provide students with a strong background in functions (trigonometric, linear, quadratic, absolute value, power, square root, exponential, rational and logarithmic). The course will also prepare a student for a Calculus course and should be taken any college-bound student.

Honors Pre-Calculus

Prerequisite Integrated Math 3 or Advanced Alg, 2, C or higher recommended
Offered year
Grades 11-12
Fee graphing calculator

This course is an accelerated version of Pre-Calculus with a more of an in-depth study of the advanced topics including polar coordinates, vectors, sequences and series.

Advanced Placement (AP) Statistics

Prerequisite Advanced Alg 2 or Integrated Math 3
Offered year
Grades 11-12
Fee AP exam fee

The purpose of the AP Statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. This course draws connections between all aspects of the statistical process, including design, analysis, and conclusions. Additionally, using the vocabulary of statistics this course will teach students how to communicate statistical methods, results and interpretations. Students will learn how to use graphing calculators and read computer output in an effort to enhance the development of statistical understanding. This curriculum is designed to prepare students for the AP Statistics Exam in May. **In order to receive weighted credit on your final transcript, you must take the AP exam.**

Financial Algebra

Prerequisite none
Offered year
Grades 12
Fee none

This year-long class will allow high school students to explore various aspects of personal financial literacy. Topics will include: Personal Financial Identity, Income, Financial Institutions, Personal Budgets, Investments, and Careers in Finance.

Advanced Placement (AP) Calculus A/B

Course Codes S1 – 04391 S2 – 04392
Credit 5 each semester
Prerequisite Pre-Calculus or Pre-Calculus Honors
Offered year
Grades 12
Fee graphing calculator, AP exam fee

In this course, students will complete transcendental functions and be able to use these skills in an application manner. Students will also investigate differential equations and their application in problem solving. **In order to receive weighted credit on your final transcript, you must take the AP exam.**

MAT 121 College Algebra Concurrent Enrollment

Credit 5 high school and 4 college
Prerequisite qualifying score on Accuplacer or SAT recommended, 2.5 GPA, 85% attendance
Offered fall
Grades 12
Fee none

John F. Kennedy High School is excited to offer courses through Red Rocks Community College. This is a unique opportunity for JFK students to gain exposure to the college experience! Students enroll in courses taught by qualified Red Rocks teachers, and Denver Public Schools pays for the tuition. All courses are taken for college credit with a letter grade and appear on a Red Rocks transcript. Students must earn a C or higher to receive college credit. If a student earns an F, he/she is responsible for the tuition for the course. MATH 121 focuses on a variety of functions and the exploration of their graphs. Topics will include: equations and inequalities, operations on functions, exponential and logarithmic functions, linear and non-linear systems, and an introduction to conic sections. This course provides essential skills for STEM pathways. Note: 560 on Math SAT or above average performance in previous math courses highly recommended.

MAT 122 College Trigonometry Concurrent Enrollment

Credit 5 high school and 3 college
Prerequisite Passing MAT 121 with C or higher, 2.5 GPA, 85% attendance
Offered fall
Grades 12
Fee none

John F. Kennedy High School is excited to offer courses through Red Rocks Community College. This is a unique opportunity for JFK students to gain exposure to the college experience! Students enroll in courses taught by qualified Red Rocks teachers, and Denver Public Schools pays for the tuition. All courses are taken for college credit with a letter grade and appear on a Red Rocks transcript. Students must earn a C or higher to receive college credit. If a student earns an F, he/she is responsible for the tuition for the course. MATH 122 Explores trigonometric functions, their graphs, inverse functions and identities. Topics will include: trigonometric equations, solutions of triangles, trigonometric form of complex numbers, and polar coordinates. This course provides essential skills for STEM pathways. Note: 560 on Math SAT or above average performance in previous math courses highly recommended.

DP Diploma Mathematical Studies SL 1, 2, 3, 4

Credit 5 each semester/20 over 2 years
Prerequisite Acceptance into IB Diploma Program
Offered over 2 years
Grades 11-12
Fee Examination fees

Students who complete the IB Diploma Mathematics Studies SL course will gain confidence in their mathematical abilities along

with an appreciation of the mathematics existing all around them all over the world. The focus of this course is the application of mathematics in everyday life. The students will become thinkers, developing thinking, understanding and reasoning skills as they exercise patience and persistence in their problem solving. Internationalism will be addressed in every aspect of this course. Students will discuss mathematical history including the lives of mathematicians and mathematical discoveries through a window of their cultural context. Mathematics will be viewed through its differences in notation and its universality as a means of communication.

DP Diploma Mathematics SL 1, 2, 3, 4

Credit 5 each semester/20 over 2 years
Prerequisite Acceptance into IB Diploma Program

Offered over 2 years
Grades 11-12
Fee Examination fees

Students who choose IB Diploma Mathematics SL are those who will need an understanding of and competence with mathematical concepts as they pursue study in other fields such as economics, business, chemistry or psychology. These students will enter this course of study equipped with knowledge of basic mathematical concepts and skills. Through this course they will gain the skills needed to apply simple mathematical techniques correctly. IB's objectives that students develop an appreciation of the elegance, power and usefulness of mathematics and that they are able to transfer skills to alternative situations and future developments are thoroughly achieved as students apply their mathematical knowledge in realistic problem solving.

Performing Arts (Music, Theater and Film)

Each course is constructed to teach musical, theatrical and movement skills, and individual discipline, along with artistic and aesthetic knowledge in line with the current content standards. Evaluation is accomplished through performance and/or comprehensive written work. Parental support of the Performing Arts Department is strongly recommended to aid in the overall success of all students involved.

Music, Instrumental

Advanced Band

Prerequisite minimum one year previous middle school experience
Offered year
Grades 9-12
Fee \$10

This is the class in which all 9th grade band students will be enrolled. It is also the class that grades 10-12 students should enroll in if it has been a while since they last played their instrument. The course provides instruction to develop collective and individual musical skills by playing standard band literature and by preparing for public performances.

Concert Band

Prerequisite Teacher Permission
Offered year
Grades 10-12
Fee \$10

Encourages qualified students to rehearse and to play a variety of musical literature both individually and collectively. The course emphasizes preparation for public performances.

Orchestra

Prerequisite Minimum of one year experience needed at the middle school level
Offered year
Grades 9-12
Fee \$10

Provides students with an opportunity to explore an extensive repertoire of orchestral literature from the baroque through the contemporary era. Standard string orchestra instrumentation only (violin, viola, cello, string & electric bass).

Drum Line

Prerequisite Teacher Permission
Offered Year
Grades 10-12
Fee \$35.00 for of marching corps sticks, drum and gear maintenance, and music.

The class fee provides Drum Line students their first marching drum corps snare sticks and snare pads for class rehearsals. These are NOT the sticks typically used for drum that you may already have. Snare drum rudimental study is a fundamental part of this ensemble. All participating students will learn to read music, use proper drumming technique, and march on the field. You will be expected to demonstrate competency on snare drum, bass drum, cymbals, and smaller instruments of the battery. Grades are based on participation, practice, rehearsal technique, and demonstrating competency on snare drum, bass drum, and cymbals. Drum line performs at assemblies, and selected sporting events.

Guitar

Prerequisite must provide your own acoustic guitar (not electric)
Offered fall or spring (can be taken both semesters)
Grades 9-12
Fee \$10

This is a combined class ranging from beginners to advanced players. Individual course study will be determined by the instructor.

Jazz Ensemble

Prerequisite teacher recommendation/live audition
Offered year
Grades 10-12
Fee \$10

This is a very select group. Rehearsal of literature encompasses the entire jazz spectrum. Students are trained to execute the correct interpretation of jazz phrasing, articulation and improvisation.

Music, Vocal

Men's Choir

Prerequisite none
Offered year
Grades 9-12
Fee none

This is a performing choir that is open to all males who wish to sing. Men's choir introduces the basic choral skills of part-singing, music reading, music theory and symbols. Music styles range from classical to popular in unison, two and three-part harmony.

Mixed Choir

Prerequisite none
Offered year
Grades 9-12
Fee Theory Book - \$5.50

This is a performing choir that is open to all who wish to sing. Mixed choir introduces the basic choral skills of part-singing, music reading, music theory and symbols. Music styles range from classical to popular in unison, two and three-part harmony.

Concert Choir (select mixed choir)

Prerequisite audition
Offered year
Grades 9-12
Fee none

This is a performing group that is open by audition only, to students with advanced technique. This course offers those selected students an opportunity to sing classical/concert repertoire.

Choir Honors

Prerequisite audition
Offered year
Grades 10-12
Fee outfit fee

Open by audition only. Performance oriented traveling Jazz/Show/Madrigal choir. Emphasis on further development of Jazz/Show/Madrigal skills, choreography, vocal improvisation and part-singing. Advanced technique is required.

Vocal Ensemble

City Lights (select women's choir)

Prerequisite female, audition
Offered year
Grades 9-12
Fee dress fee

Teacher recommendation in accordance with standard balance of voices. For students who successfully audition and meet the requirements of this performing group, the course offers those selected students a chance to sing a wide variety of the world's best choral music; instruction is given in advanced vocal techniques and interpretations.

Theater and Film

Theater Arts 1

Prerequisite none
Offered year
Grades 9-12
Fee none

This class is for the beginning acting student. Theater Arts 1 focuses on presentation skills and basic acting techniques. Students must perform in front of other students in the class in order to pass the class. Theater Arts 1 introduces pantomime, improvisation, scene work, theatre history, scene writing and play analysis. Students will be expected to do scene work, duet work and monologues, all from memory.

Theater Arts 2

Prerequisite Theater Arts 1
Offered year
Grades 10-12
Fee Puppet Supply Fee (approx. \$5)

Theater Arts 2 focuses on developing a complete character on stage, puppet theatre around the world, storytelling, advanced scene work, basic directing skills and performing a one-act play.

Theater Arts 4 (Production Class)

Prerequisite: Teacher Permission
Offered: year (can be taken up to three years)
Grades: 11-12
Fee: none

This is an advanced class that requires Drama 1 and Drama 2 and an audition to enter. This class will present the Fall Play, the Senior One-Act Plays, Comedy Night, Children's Theatre, Shakespeare Festival (to be announced) and Original Spring Play. Seniors eligible to direct will be directing students in the One-Act Plays. To be eligible to direct you must have 6 semesters of drama, performed in 2 plays, done 2 technical assisting jobs, have a 3.5 cumulative GPA in drama and a 3.0 cumulative GPA overall. This is a very demanding and time

consuming class. Students must be self-motivated and driven to be successful in this class.

Film Production

Prerequisite none
Offered year
Grades 9-12
Fee none

This class will focus on film as an art form and the ability to create a story using film. Students will focus on a variety of film genres: documentary, drama, comedy, foreign and animation. The elements and principles of design as they relate to film and parts of a film (story, cinematography, music and composition) are emphasized. Students will be exposed to different types of film from different countries and will learn to examine films critically. This class requires a time commitment outside of school to be successful. Students will be required to watch films and take footage as well as edit their footage outside of class sometimes. Students will use Final Cut Pro, Motion, Pro Logic X and iMovie editing programs.

Stage Craft/CTE Tech Theater

Prerequisite interview with instructor
Offered year
Grades 10-12
Fee none

This class is designed to teach all functions of staging a production. Techniques in building and painting sets, designing and running lighting and sound, and utilizing the various systems in the school auditorium are a few of the responsibilities handled by the class. After school time is required and you must have an interview with the teacher before being eligible to register for this class.

DP Film SL or HL 1, 2, 3, 4

Credit 5 each semester/20 over 2 years
Prerequisite Acceptance into IB Diploma Program
Offered over 2 years
Grades 11-12
Fee Examination fees

Through the study and analysis of film texts and exercises in film-making, the Diploma Program film course explores film history, theory and socio-economic background. The course develops students' critical abilities, enabling them to appreciate the multiplicity of cultural and historical perspectives in film. To achieve an international understanding within the world of film, students are taught to consider film texts, theories and ideas from the points of view of different individuals, nations and cultures.

Physical Education

ALL JROTC and DANCE courses listed above can also count towards your PE credit for graduation.

John F. Kennedy physical education classes revolve around our desire to give students a sound base in physical fitness, nutrition, and health. Our goals are to provide students a positive experience in physical fitness, promote lifelong fitness, and to give students the knowledge to lead a healthy lifestyle.

Bodyworks

Prerequisite none
Offered year
Grades 9-10
Fee \$15 for uniform

This course is designed for the student who wants to learn about the importance of exercise for maintaining a healthy lifestyle. Bodyworks engages students in activities related to physical fitness with emphasis on cardiovascular development, building muscular strength and endurance, increasing flexibility, and improving body composition to enhance overall wellness. Components of health (such as nutrition and stress management) are also studied. Exercises used in the class include Yoga, Pilates, Tai Chi, Kickboxing, Aerobic Dance, Circuit Training, Power Walking, Jogging, Stretching, and use of the fitness equipment inside the Sound Body Sound Mind Fitness Center.

Intro to Health and PE is a hybrid course for students who are being introduced to health and physical education. Students will participate and acquire the knowledge of key health concepts as well as lifetime and fitness-based activities. Skills and activities consist of, but are not limited to; nutrition, youth sexual health, social emotional learning, outdoor education, fitness concepts, individual and team activities, and rhythm.

Fitness and Conditioning

Prerequisite none
Offered year
Grades 11-12
Fee \$15 for uniform

Engages students in individualized programs to increase strength, cardiovascular endurance, flexibility, agility and coordination. Activities presented are stretching, jogging, aerobics, weight lifting, and strength training.

Intro to Physical Education and Health

Prerequisite none
Offered semester
Grades 9-12
Fee none

Lifetime Activities

Prerequisite none
Offered year
Grades 9-10

Fee \$15 for uniform

This is an introduction to secondary physical education with an emphasis on providing the students with knowledge and skills necessary to develop and participate in lifetime activities. There is a balance of activities throughout the year between sports that emphasize teamwork and activities like jogging, strength training, endurance, stretching, and flexibility that will be individually useful and enjoyable throughout the students' lives. Among the activities are badminton, tennis, flag football, soccer, mass games and a variety of indoor sports.

Unified Sports

Prerequisite permission from instructor
Offered year
Grades 10-12
Fee none

This is a two-course sequence that engages students in sports activities demanding teamwork, sportspersonship, movement skills, techniques and strategies. Fall semester sports include soccer, floor hockey, basketball, gymnastics, bowling, and weightlifting. Spring semester sports include basketball, volleyball, softball, gymnastics, track and field, weightlifting, and swimming. The students will work to acquire appropriate social behavior and functional knowledge of Special Olympics rules and regulations. This class will develop Special Olympics Unified teams to compete in Denver Public Schools leagues, Special Olympics Qualifying and Chapter competitions. This class will

also train Special Olympics athletes, assisted by regular education students (partners), to compete in Special Olympics individual sports Qualifying and Chapter competitions. This class will provide all students the opportunity to build friendships, increase knowledge of persons with cognitive delays, develop self-esteem, and become physically fit. Students must be available to participate in evening and weekend competitions.

Adapted PE Peer Helping

Prerequisite permission from instructor
Offered year
Grades 10-12
Fee none

Adapted physical education peer mentoring is a two sequence course for students that are interested in mentoring students with disabilities in the Adapted physical education course. Students will collaborate in a physical education setting while participating in activities with their peers in a safe and judge-free environment. Students will participate in activities consisting of, but not limited to, physical and motor skills, fundamental motor skills and patterns, fitness, lifetime/leisure activities, and team sports while demonstrating appropriate social skills in a physical activity setting. All students will have the opportunity to develop positive relationships, learn about individual differences, and build self-esteem through the participation of sport and physical fitness.

Science

Under the guidance of skilled instructors, students will learn important scientific concepts and procedures using inquiry based investigative activities. Orally, graphically and in writing, students will demonstrate the ability to think critically, use scientific reasoning, integrate science with other disciplines and effectively communicate results. Students are required to pass three years of science for graduation from the Denver Public Schools. Students must take 20 credits of Earth Science, Biology, Chemistry and/or Physics.

9	10	11	12
Honors Biology	Honors Chemistry	IB DP Biology, IB DP Chemistry, Honors Anatomy, Honors Chemistry, Honors Physics	
Earth Science	Biology	Chemistry, Physics, Anatomy/Physiology	

Anatomy & Physiology Honors

Prerequisite Successful completion of Biology and/or teacher recommendation
Offered year
Grades 11-12
Fee none

Anatomy and Physiology 1 Honors introduces the student to the idea that the human body's structure and function are firmly grounded in basic biology, chemistry and physics, and that its structure and function, as well as the central concept of homeostasis can be best understood using concepts derived from these disciplines. This course introduces basic anatomical

terms, reviews cell structure and function studied in Biology 1 and 2 Honors and identifies the function and location of the four basic tissue types. In addition, the course describes the structure and function and interrelationships of the following body systems: integumentary, skeletal, muscle and nervous. Several dissections will be initiated that demonstrate the anatomy and physiology of the different body systems. The second semester of this course continues to emphasize the central concept of homeostasis in the study of the structure and function, in health and disease, of the following body systems: cardiovascular, blood, respiratory, digestive, urinary, endocrine, lymphatic, reproductive and growth and development. Additionally, nutrition

and cell metabolism are studied in conjunction with the digestive system. Several additional dissections will be initiated that demonstrate the anatomy and physiology of the different body systems.

Biology

Prerequisite	none
Offered	year
Grades	10-12
Fee	none

Biology is the study of living things, their inner workings, and their interactions. This course utilizes an inquiry-based approach to learning that emphasizes active student participation and experimentation. Major topics include evolution, homeostasis, energy and matter, genetics and reproduction, growth and development, and interactions between living systems and their environment.

Honors Biology

Prerequisite	none
Offered	year
Grades	9-12
Fee	none

Biology is the study of living things, their inner workings, and their interactions. Accelerated Biology is an advanced course for high-achieving students that utilizes an inquiry-based approach to learning that emphasizes active student participation and experimentation. Major topics include evolution, homeostasis, energy and matter, genetics and reproduction, growth and development, and interactions between living systems and their environment. This course receives weighted credit on transcripts.

Chemistry

Prerequisite	C or better in Algebra I and all science classes recommended
Offered	year
Grades	11-12
Fee	none

Chemistry is a physical science, laboratory-based, college preparatory course. This course is taught in a traditional manner and is intended to prepare the student for further study in science and chemistry. Topics covered in this class include metric measurement, physical and chemical properties, symbols and formulas, atomic structure, mole theory, chemical equations, electron configuration, and the periodic table. Some additional topics covered in this class include chemical bonding, kinetic molecular theory, gas laws, and solutions. It is the intent of this course not only to study the theories of chemistry, but also to demonstrate the applications of those theories through laboratory experience and relate those theories to everyday uses.

Honors Chemistry

Prerequisite	B or better in Algebra I and all science classes recommended and/or teacher recommendation
Offered	year

Grades	10-12
Fee	none

Chemistry Honors deals with the basic properties of matter with emphasis on laboratory work and on the quantitative aspects of chemical systems. Topics include metric units, the mole, chemical reactions and equations, stoichiometry, gas laws, atomic structure, and the periodic table. In addition, other topics covered include kinetic molecular theory, states of matter, electron arrangement and bonding, energy changes in matter, kinetics, equilibrium, acids and bases, redox reactions, and electrochemistry. This course receives weighted credit on transcripts.

Earth Science

Prerequisite	none
Offered	year
Grades	9-12
Fee	none

This is a yearlong course that emphasizes the four branches of earth science: astronomy, meteorology, geology, and oceanography. In the astronomy aspect of the course, the student will learn about the planets and stars in our solar system, as well as, the Earth's moon and its phases. In meteorology, the student will learn about the different influences on climate. In the geology aspect of the course, mineral and rock identification will be covered in addition to structural geology and paleontology. The oceanography aspect will cover the major features of the ocean floor and the variations in the ocean's composition.

Physics

Prerequisite	Integrated Math 2 or Geometry
Offered	year
Grades	10-12
Fee	none

A laboratory course designed to provide the student a working knowledge of the basic physics concepts. Topics included are measurement and problem solving, nature and cause of motion, forces, energy, and phases of matter, heat, light, waves, and electricity. A project based upon the content will be designed each semester.

Honors Physics

Prerequisite	Geometry or Integrated Math 2 and teacher recommendation
Offered	year
Grades	10-12
Fee	none

An accelerated laboratory course that includes the topics listed for Physics. Topics are covered in greater depth and emphasis is placed on using mathematical skills and problem solving techniques. This course is designed for the college bound student.

DP Diploma Chemistry SL or HL 1, 2, 3, 4

DP Diploma Biology SL or HL 1, 2, 3, 4

Credit 5 each semester/20 over 2 years

Prerequisite Acceptance into IB Diploma Program
 Offered over 2 years
 Grades 11-12
 Fee Examination fees
 The biology student who completes the IB Diploma Biology SL will have an understanding of the universal concepts of cells, chemistry of life, genetics, evolution, plant biology, ecology and conservation as well as human anatomy, health and physiology.

This body of knowledge will be used to create an ability to analyze and evaluate scientific information. A rigorous course will be provided that allows for scientific study and creativity within a global context. Students studying IB Diploma Biology SL will be afforded opportunities for inspirational and challenging scientific study with a global perspective.

Social Studies

The John F. Kennedy Social Studies Department is committed to students increasing their understanding of citizenship, history, culture, and their place in an ever-changing global community. Literacy and communication skills are an integral part of the curriculum. Students will be actively engaged in the subject matter offered in our classes.

9	10	11	12
Honors Geography & Honors Civics	Honors US History or CU Succeed CE US History	IB DP History of the Americas, IB DP Psychology CU Succeed Ethnic Studies/African American History, CU Succeed Sociology/Social Psychology,	
Geography & Civics	US History	Economics, World History, Minority Cultures/Global Gender Studies, Afro-American History	

Civics

Prerequisite none
 Offered spring
 Grades 9-12
 Fee none

This course provides a basis for understanding American Government on the national, state, and local levels; and emphasizes the necessity for the participation of the citizen in political activities.

Honors Civics

Prerequisite Teacher recommendation
 Offered spring
 Grades 9-12
 Fee none

This course provides a basis for understanding American Government on the national, state, and local levels; and emphasizes the necessity for the participation of the citizen in political activities. This course moves at a faster pace in the interest of covering more material and encouraging students to achieve at a higher level. This course receives weighted credit on transcripts.

Geography

Prerequisite none
 Offered fall
 Grades 9-12
 Fee none

The main focus of Geography is to provide all students with an understanding of basic mapping skills and principles of physical

and human geography. Students will study patterns of location, movement, landforms, climate, water, population, culture, economics and political linkages interact with the global community and the physical world.

Honors Geography

Prerequisite Teacher permission
 Offered fall
 Grades 9-12
 Fee none

The Geography Honors course covers similar content as the Geography course at a faster pace in the interest of covering more material and encouraging students to achieve at a higher level. This course receives weighted credit on transcripts.

U.S. History

Prerequisite none
 Offered year
 Grades 10-12
 Fee none

Two semesters of U.S. History are designed to help the student understand the events, issues, and personalities, which shaped our history from the Civil War up to the present. The course will incorporate the social aspects in the development of a diverse and ethnically rich nation. It traces the origin and development of those ideas, principles, values and institutions, which characterize the American experience. Students will develop analytical skills in history inquiry, problem solving, cause and effect synthesis and connections and interdependence of political, economic, technological and philosophical aspects of

the U.S. society. U.S. History 1 will emphasize to all students an understanding of the period in American History from Civil War and Reconstruction to the issues leading up to World War I. U.S. History 2 will examine World War I and historical issues through present day.

[U.S. History Honors](#)

Prerequisite	none
Offered	year
Grades	10-12
Fee	none

Two semesters of U.S. History are designed to help the student understand the events, issues, and personalities, which shaped our history from the Civil War up to the present. The course will incorporate the social aspects in the development of a diverse and ethnically rich nation. It traces the origin and development of those ideas, principles, values and institutions, which characterize the American experience. Students will develop analytical skills in history inquiry, problem solving, cause and effect synthesis and connections and interdependence of political, economic, technological and philosophical aspects of the U.S. society. U.S. History 1 will emphasize to all students an understanding of the period in American History from Civil War and Reconstruction to the issues leading up to World War I. U.S. History 2 will examine World War I and historical issues through present day.

[Economics](#)

[Social Problems](#)

[Psychology](#)

[World History](#)

Prerequisite	none
Offered	year
Grades	11-12
Fee	none

This two-semester course traces the world's history from prehistoric times to modern history. It provides the student with the opportunity to understand modern world events and civilizations through the study of the backgrounds, problems, and cultures of various peoples of the world.

[CU Succeed Intro to Sociology SOCY 1000](#)

[Concurrent Enrollment](#)

Credit	5 high school and 3 college
Prerequisite	2.5 GPA, 85% attendance
Offered	fall (paired with Social Psychology)
Grades	11-12
Fee	none

John F. Kennedy High School is excited to offer courses through the CU Succeed Program. This is a unique opportunity for JFK students to gain exposure to the college experience! Students enroll in University of Colorado Denver courses taught by

qualified UCD teachers, and Denver Public Schools pays for the tuition. All courses are taken for college credit with a letter grade and appear on a CU Denver transcript. Students must earn a C or higher to receive college credit. If a student earns an F, he/she is responsible for the tuition for the course. Sociology 1001 is a survey course in which the main concepts that define the sociological perspective are presented, and a picture of society is provided by examining major social institutions and forms of social organization within society. This course is one of the Statewide Guaranteed Transfer courses.

[CU Succeed Social Psychology SOCY 2462](#)

[Concurrent Enrollment](#)

Credit	5 high school and 3 college
Prerequisite	2.5 GPA, 85% attendance
Offered	spring (paired with Intro to Sociology)
Grades	11-12
Fee	none

John F. Kennedy High School is excited to offer courses through the CU Succeed Program. This is a unique opportunity for JFK students to gain exposure to the college experience! Students enroll in University of Colorado Denver courses taught by qualified UCD teachers, and Denver Public Schools pays for the tuition. All courses are taken for college credit with a letter grade and appear on a CU Denver transcript. Students must earn a C or higher to receive college credit. If a student earns an F, he/she is responsible for the tuition for the course. SOCY 2462 Studies the development and functioning of persons, especially within a group context, and the dynamics of small groups. Emphasis is on import of symbols for human behavior, development of self-concepts, and the processes of completion and cooperation in group dynamics.

[CU Succeed Intro to Ethnic Studies ETST 2000](#)

[Concurrent Enrollment](#)

Credit	5 high school and 3 college credits
Prerequisite	2.5 GPA, 85% attendance
Offered	fall (paired with African American History)
Grades	11-12
Fee	none

John F. Kennedy High School is excited to offer courses through the CU Succeed Program. This is a unique opportunity for JFK students to gain exposure to the college experience! Students enroll in University of Colorado Denver courses taught by qualified UCD teachers, and Denver Public Schools pays for the tuition. All courses are taken for college credit with a letter grade and appear on a CU Denver transcript. Students must earn a C or higher to receive college credit. If a student earns an F, he/she is responsible for the tuition for the course. Ethnic Studies 2000 is a multi-disciplinary survey of contemporary and historical research analyses of the diverse social, economic, political, and cultural facets of African American, American Indian, Asian American, and Latino communities and cultures. This course is one of the Statewide Guaranteed Transfer courses.

[CU Succeed African American History – ETST 2155](#)

[Concurrent Enrollment](#)

Credit	5 high school and 3 college
Prerequisite	2.5 GPA, 85% attendance
Offered	spring (paired with Ethnic Studies)
Grades	11-12
Fee	none

John F. Kennedy High School is excited to offer courses through the CU Succeed Program. This is a unique opportunity for JFK students to gain exposure to the college experience! Students enroll in University of Colorado Denver courses taught by qualified UCD teachers, and Denver Public Schools pays for the tuition. All courses are taken for college credit with a letter grade and appear on a CU Denver transcript. Students must earn a C or higher to receive college credit. If a student earns an F, he/she is responsible for the tuition for the course. ETST 2155 surveys the history of African Americans. Study interpretations, and analysis of major problems, issues, and trends affecting the African American population from pre-slavery to the present.

DP History of the Americas HL 1, 2, 3, 4

Credit	5 each semester/20 over 2 years
Prerequisite	Acceptance into IB Diploma Program
Offered	over 2 years
Grades	11-12
Fee	Examination fees

History Higher Level Diploma Program will enable the student to understand the connection between the peoples of the Americas (specifically the United States and Canada, Mexico, Caribbean, Central and South America). We will study how different cultures interacted in the 20th century and how international relations in the Western Hemisphere affect them. An understanding of cause and effect and change over time within the century is key to communicating historical knowledge and increasing a life-long interest in history.

DP Psychology SL or HL 1, 2, 3, 4

Credit	5 each semester/20 over 2 years
Prerequisite	Acceptance into IB Diploma Program
Offered	over 2 years
Grades	11-12
Fee	Examination fees

The IB Diploma Programme psychology course is the systematic study of behavior and mental processes. Since the psychology course examines the interaction of biological, cognitive and sociocultural influences on human behavior, it is well placed in group 3, individuals and societies. Students undertaking the course can expect to develop an understanding of how psychological knowledge is generated, developed and applied.

Special Education Services

Special Education Services are available for students who have an up to date Individual Education Plan (IEP) and who have been identified with having one or more of the following disabilities: learning, cognitive, emotional, physical, speech/language, hearing, vision and multiple disabilities. All students who receive special education services are eligible to attend regular education classes with accommodations and possibly modifications. Along with regular education classes, special education offers the classes in a modified setting for students with additional needs. Specific options for graduation are available. Case managers will provide this information.

Career Discovery

Prerequisite	none
Offered	semester
Grades	9-12
Fee	none

This is the first course in a sequence of four. Career Discovery guides students through a career exploration process culminating in an initial career plan. This plan is developed by matching individual work preferences, aptitudes, skills, and learning styles with fitting careers. Students will also investigate the training and educational requirements for their chosen career field. Finally, students will present their career plan and how they will use self-advocacy skills to move forward with the next steps identified in the career plan.

Career Navigation

Prerequisite	none
Offered	semester
Grades	9-12
Fee	none

This is the second course in a sequence of four.

Career Navigate is a one semester course designed to build on skills presented during Career Discovery. Students learn about employer expectations on the job and begin to develop workplace skills such as interpersonal communication, teamwork, leadership and ethical decision making in the workplace. Ideally students will participate in a Job Shadow experience in an area related to their career goal.

Career Engagement

Prerequisite	none
Offered	semester
Grades	9-12
Fee	none

This is the third course in a sequence of four. Building on previous Career courses, this one semester course is intended to teach students about successful job search strategies. Students will create a resume, practice interview skills, and practice skills required of a good employee.

Career Advancement

Prerequisite	none
Offered	semester
Grades	9-12
Fee	none

This is the fourth course in a sequence of four. Building on previous Career courses, this one semester course is intended to give students an overview of issues related to successful independent adult living and work readiness. Students will plan for accessing post-secondary training, learn about adult community resources, housing, insurance, entrepreneurship, and more advanced work readiness preparation.

Work Experience and Study (WES)

Credit	5-35 (see your case manager)
Prerequisite	Must have already passed or be concurrently enrolled a Career class
Offered	year
Grades	9-12
Fee	none

Students with an IEP who are working towards a Work Experience Study (WES) Course of Study may earn credit for work experiences in and out of school. Case Manager will help student arrange work hours and complete necessary forms. 45 work hours = 2.5 credits and 90 work hours = 5 credits.

Specialty Courses

Balarat

Prerequisite	2.0 GPA and good attendance
Offered	fall or spring
Grades	11-12
Fee	none

The Balarat Resident Counselor Program provides an opportunity for high school students to earn elective credit by assisting with the facilitation of an outdoor educational experience for fifth grade classes. Students must attend an informational meeting and apply to the program. Once accepted, students are assigned 6 school days (either two, three day periods or three, two day periods) during which they will be at the Balarat site. There is also a mandatory training session over the first or second Friday/Saturday of each semester. Balarat students are responsible for any class work missed during trips to Balarat. The Balarat Resident Counselor Program provides an opportunity to develop communication, leadership, and group management skills. This class only has 15 openings each semester; any students who sign up after the 15 spots have been taken will be put on a waiting list.

Balarat Eco-Internship

Credit	35
Prerequisite	application and interview
Offered	fall or spring
Grades	12
Fee	none

This program offers students the opportunity to pursue their education in a nontraditional setting. Students must apply for admission to the internship semester. Once accepted, Balarat becomes their home school for the semester. Students are allowed to participate in their home school's extracurricular activities - however, students will be expected to live at the Balarat site at least a part of every week. 35 credits will be earned towards graduation (listed below). Students will spend time outdoors in a hands-on setting.

Eco-Intern Credits:

- (SCI) Balarat Field Science / 5 hours
- (SCI) Applied Ecology / 5 hours
- (ENG) Oral Communications / 5 hours
- (SS) Balarat Outdoor Teaching / 10 hours
- (PE) Outdoor Living & Leadership / 5 hrs.

(PE) Lifetime Activities / 5 hours

Career Education Center (CEC)

Credit	15 each semester (credit type varies by class)
Prerequisite	varies by class
Offered	fall and/or spring
Grades	11-12
Fee	varies

SEPARATE APPLICATION FORM REQUIRED

The Career Education Center (CEC) offers half-day career courses that are taught by industry-experienced professionals and prepare students for the growing demand of the 21st century workplace or college setting in a real-world learning environment. Numerous courses offer academic and/or college credit. Students enrolled at CEC continue to take core courses at JFK and can choose to attend a morning or afternoon CEC session. Transportation to and from CEC is provided. Students must complete an application, available from their counselor. For more information, visit the CEC website at www.dosomethingreal.net.

The following career courses are available:

- Advanced Manufacturing
- Architectural Design**
- Athletic Training/Sports Medicine**
- Audio Engineering
- Automotive Technology**
- Biomedical Sciences
- Business Technology, Marketing and Entrepreneur**
- Construction
- Criminal Justice/Law
- Crime and Forensics
- Culinary Arts
- Digital Film/Video Production
- Executive Internship (seniors only)
- Exercise & Health Sciences
- Fashion **
- Fire Science
- Graphic Design Print Media/Animation
- Nurse Assistant Certification Program**
- Teaching Careers
- Video Gaming**

Welding**

CEC Executive Internship

Course Codes *See counselor*

Credit: 10-30

Prerequisite: 3.0 GPA

Offered: fall or spring

Grades: 12

Fee: none

The Executive Internship Program is housed at the Career Education Center (CEC). It allows students to spend between 10 and 30 hours of their week in a professional work setting in order to improve skills, increase knowledge and to have an in-depth experience in the job area of their choice. **The application process includes an autobiography, resume, written application and interview. Students should see their counselor for an application.**

CU Succeed Intro to Criminal Justice

Concurrent Enrollment

Credit 5 high school and 3 college credits

Prerequisite none

Offered fall or spring

Grades 11-12

Fee none

John F. Kennedy High School is excited to offer courses through the CU Succeed Program. This is a unique opportunity for JFK students to gain exposure to the college experience! Students enroll in University of Colorado Denver courses taught by qualified UCD teachers, and Denver Public Schools pays for the tuition. All courses are taken for college credit with a letter grade and appear on a CU Denver transcript. Students must earn a C or higher to receive college credit. If a student earns an F, he/she is responsible for the tuition for the course. This course is designed to provide an overview of the criminal justice process and the criminal justice system in general. Concepts of crime, deviance and justice are discussed and general theories of crime causality are examined. Special emphasis is placed on the components of the criminal justice system; the police, the prosecutorial and defense functions, the judiciary and the field of corrections.

Student Board of Education

Prerequisite none

Offered year

Grades 9-12

Fee none

DPS Student Board of Education serves a unique and important role in Denver Public Schools as an internal organization that empowers high school students to advocate for their peers at the school and district level. Promoting student voice and leadership. Building powerful relationships among students and between students and adults. Creating a positive school environment. Fostering our school and district goals. Students will receive honors weighted GPA for this course.

Student Council

Prerequisite election

Offered year

Grades 9-12

Fee \$35 for shirts

This course offers a unique opportunity to create, organize, and implement activities for the JFK student population: 4 or 5 school dances, Homecoming Week, Spirit Weeks, the Canned Food Drive, and Adoption of Christmas Families. Students are required to do a leadership project during the course of the year. Some of these leadership projects include Trick-or-Treat Street, the Talent Show; Rock 'n Jock, Powder-puff Football, Lip Sync, Battle of the Sexes, and Community Service Day. Must have a cumulative GPA of 3.0 to apply and remain in the class. Sophomore-Senior elections are in the spring. Freshmen elections are in the fall.

Yearbook

Prerequisite interview

Offered year

Grades 11-12

Fee none

Students will prepare, publish, and distribute the school yearbook, using all the skills of journalism. Students will write in a journalistic style. Yearbook production requires a significant commitment of time outside of class

World Languages

The world is shrinking! Many people in the United States already speak a second language and increasing contact among the countries of the world make a second language a necessity. It is particularly valuable in combination with other career skills. In addition, many colleges require that a student have studied a second language before entering. Students who are concerned about college entrance should check the entrance requirements of the college they plan to attend. Students who demonstrate mastery of reading, writing, speaking and understanding both English and another language have the opportunity to earn the DPS Seal of Biliteracy. [Click here for more information.](#)

French 1

Prerequisite none

Offered year

Grades 9-12

Fee \$15 material/lab

Students will focus on listening and speaking skills with simple reading and writing activities. Students will be introduced to French culture and customs from countries around the world.

French 2

Prerequisite French 1 (or 2 years of M.S. French)

Offered year
Grades 9-12
Fee \$15 material/lab

In this course, students will continue to develop reading, writing, listening and speaking skills to communicate in the classroom. Students will learn more about life in France and other French speaking countries.

Honors French 3

Prerequisite French 2
Offered year
Grades 9-12
Fee \$15 material/lab

Students in this level will establish communication skills in the present, past and immediate future. Students will read longer passages and produce longer writing samples. Students will learn vocabulary for social interaction. A research paper/project is required each semester.

Honors French 4

Prerequisite French 3
Offered year
Grades 10-12
Fee \$15 material/lab

Students will continue perfecting French pronunciation and grammar and will have longer conversations. Students will write longer essays and read longer material including some French literature and history. A research paper/project is required each semester.

French Culture and Civilization

Prerequisite French 4
Offered year
Grades 11-12
Fee \$15 material/lab

This course is a 5th year of the study of French. In this course, students continue to perfect their communication abilities in French toward an intermediate/advanced level through the study of French culture and civilization. Students will explore and discuss French history, literature and arts in both oral and written formats. Students will produce both written and oral projects throughout the year.

Advanced Placement (AP) French Language

Prerequisite French Culture/Civilization
Offered year
Grades 12
Fee course materials, AP exam fee

This course is the 5th or 6th year of French language study. It is the equivalent of a third year of college level French and prepares the student to take the Advanced Placement French exam in the spring. This is an advanced level course that moves at a fast pace perfecting all aspects of written and oral communication. The emphasis is on perfecting the written composition and communicating about authentic materials from both today and historical times. Students are expected to reflect

on intellectual interests in fine arts, literature, sports, current events and other cultural topics in French.

Spanish 1

Spanish 2

Spanish 3

Spanish 4

Spanish Language Arts 1

Prerequisite entry placement test
Offered year
Grades 9-12
Fee \$15 material/lab

This class is designed for students with a Spanish speaking background but who have very limited skills or experience in reading and writing in Spanish but speak it socially. The focus of this class is to have the student become proficient in basic grammar, spelling, and writing. Students work with vocabulary enrichment, sentence structure, paragraph structure, and basic reading comprehension. The goal is increased literacy in Spanish.

Spanish Language Arts 2

Prerequisite entry placement test (or SLA1)
Offered year
Grades 9-12
Fee \$15 material/lab

This class is designed for students with a Spanish speaking background who have some ability in basic reading and writing. The focus of this class is to have the student become proficient in grammar, spelling, and writing. Students work with vocabulary enrichment, paragraph structure, essay formats, reading comprehension, and literary analysis of a variety of genres. The goal is increased literacy in Spanish.

Spanish Language Arts 3 Honors

Prerequisite Spanish 3 Honors
Offered year
Grades 10-12
Fee \$15 material/lab

This course develops confidence and mastery in listening, speaking, reading, and writing. Opportunities are provided to engage in discussions, to present oral expositions, to write well structural compositions and to become familiar with literary works and Spanish culture.

Advanced Placement (AP) Spanish Language

Prerequisite placement by exam or Spanish 4 Honors or Spanish for Heritage Speakers 3
Offered year
Grades 11-12
Fee course materials, AP exam fee

This course prepares the student to take the Advance Placement Spanish Language exam in the spring of the year. Students may be required to purchase course materials and pay the exam fee. AP Spanish Language is an advanced level course that moves at a fast pace, perfecting all aspects of written and oral

communication. The emphasis is on perfecting the written composition and communicating about authentic materials from both today and historical times. Students are expected to reflect on intellectual interests in fine arts, literature, sports, current events and other cultural topics in Spanish. **You must take the AP exam in order to receive weighted credit on your final transcript.**

Advanced Placement (AP) Spanish Literature

Prerequisite AP Spanish Language
Offered year
Grades 11-12
Fee course materials, AP exam fee

The AP Spanish Literature and Culture course uses a thematic approach to introduce students to representative texts (short stories, novels, poetry, and essays) from Peninsular Spanish, Latin American, and United States Hispanic literature. Students develop proficiencies across the full range of communication modes (interpersonal, presentational, and interpretive), thereby honing their critical reading and analytical writing skills. Literature is examined within the context of its time and place, as students reflect on the many voices and cultures present in the required readings. The course also includes a strong focus on cultural connections and comparisons, including exploration of various media (e.g., art, film, articles, literary criticism). **You must take the AP exam in order to receive weighted credit on your final transcript.**

DP Diploma - French SL 1, 2, 3, 4

Credit 5 each semester/20 over 2 years
Prerequisite Acceptance into IB Diploma Program
Offered over 2 years
Grades 11-12

Fee Examination fees

This course is the 5th or 6th year of French language study. It is open to any IB Diploma Candidates with 3 years background in French. The course is offered over 2 years and prepares students for the IB French exam in the spring of their senior year. Students are required to purchase course materials and pay the exam fee. IB French Language is an advanced level course that moves at a fast pace perfecting all aspects of written and oral communication. The emphasis is on perfecting the written composition and communicating about authentic global materials from both today and historical times. Students are expected to reflect on intellectual interests in fine arts, literature, sports, current events and other cultural topics in French.

DP Diploma Spanish SL or HL 1, 2, 3, 4

Credit 5 each semester/20 over 2 years
Prerequisite Acceptance into IB Diploma Program
Offered over 2 years
Grades 11-12
Fee Books must be purchased, Examination fees
This course will focus on proficiency and acquisition of Language B. It will also develop the listening, speaking, writing and critical thinking and international perspective of the language learner. The students will use a variety of materials ranging from international exams, authentic texts, literature and film, to develop, via reading, speaking, writing and listening, a more international perspective of the language and the people, globally, who use it.

Spanish Minor