



New Brunswick High School

**Course Selection Guide
2010-2011**

HOME OF THE



ZEBRAS

New Brunswick High School

1000 Somerset Street

New Brunswick, NJ 08901

January 2010

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GUIDANCE DEPARTMENT

COUNSELORS

Ms. Erica Jeria
Mr. Derek Peters
Ms. Marisol Robles
Ms. Karen Simmons
Ms. Gail Stolte

SECRETARIES

Ms. Sonia Beltran
Ms. Jaqueline Jagemann
Ms. Karen Selby
Ms. Yesenia Anderson

GUIDANCE SERVICES

The Guidance Department offers a number of services to the students of NBHS, including individual and career counseling. The Guidance Department also provides course advisement, college and financial aid advisement, and provides official records such as transcripts, working papers and testing information for college admission.

Students must adhere to the following procedures to see their counselor:

- Obtain an official pass from a teacher.
- Obtain an official pass from a counselor
- Obtain an official pass from a teacher on lunch duty

PUPIL RECORDS

A student has the right to review his/her own personal records. This right is also extended to his/her parents/guardians. If needed, this interpretation will be in the dominant language of the authorized reviewers.

GRADUATION REQUIREMENTS

To graduate from New Brunswick High School, a student must satisfactorily complete the following requirements:

- A minimum of 130 credits
- The minimum course requirements established by the State of NJ and the New Brunswick Board of Education include:

PROGRAM	CREDITS
Four years of English	20
One year of World History/Cultures	5
Two years of American History	10
Three years of Mathematics	15
Three years of Science	15
One year of PE/Health for each year in school	20
One year of a World Language	5
One year of Visual and/or Performing Art	5
One year of Practical Arts	5
Electives	30

- Successfully pass the HSPA exam or satisfactorily complete the AHSA Process

COURSE SELECTION PROCEDURES

For current high school students:

- Review the Program of Studies with your parents
- The counselors will visit the classroom and review the scheduling process with the students
- Each student will be required to select 40 credits with special emphasis given to those courses which are required for graduation, higher education and themed institutes
- The students under the direction of the counselors will prepare a tentative schedule
- The counselors will then contact the students individually and review the schedule with the student
- The students will then share this schedule with their parent/guardian

SCHEDULE CHANGES

The scheduling process begins with the course selection form which determines the development of the master schedule. After the master schedule is completed any student changes can have a profound effect upon class size, teacher schedule, or courses offered.

A student requesting a change will complete a change form. This change form must be given to the student's counselor. The counselor will review the form and contact the student.

Therefore changes will be made only for the following reasons:

1. Student has been scheduled for incorrect class
2. Successful completion of summer school
3. A course that must be repeated due to failure.

All changes must be made within the first 10 days of school.

RETAKEING A COURSE IN SUMMER SCHOOL

Students who fail a course during the school year may retake the course in an approved summer school. Prior to enrolling in the course the student **MUST** have the approval of the guidance counselor. The final summer school grade will be included in the transcript and the grade will be averaged into the Grade Point Average.

CREDIT REQUIREMENTS FOR PROMOTION

Students are required to successfully complete a minimum number of credits in order to be promoted to the next grade level.

30 Credits for placement into Grade 10

70 Credits for placement into Grade 11

90 Credits for placement into Grade 12

130 Credits required for graduation

GRADING SYSTEM

The following grading system will be used to report the level of achievement of each student's work at New Brunswick High School.

A+	=	97 – 100	C+	=	77 – 79
A	=	90 - 96	C	=	70 - 76
B+	=	87 - 89	D	=	65 - 69
B	=	80 - 86	F	=	64 & below
I	-	Incomplete			
FM	-	Final Missed			
AF	-	Attendance Failure			
M	-	Medical Excused			

GRADE POINT AVERAGE

	Regular	Honors	AP
A+	4.3	4.8	5.3
A	4.0	4.5	5.0
B+	3.3	3.5	4.3
B	3.0	3.5	4.0
C+	2.3	2.8	3.3
C	2.0	2.5	3.0
D	1.0		

COURSE ADVANCEMENT IN SUMMER SCHOOL

Students who wish to take a course in summer school for advanced credit must have the approval of the Principal and the Director of Guidance. The request will then be forwarded to the Assistant Superintendent for Curriculum and Instruction. If, approved, upon completion of the summer school course, the student must take the NBHS final exam in order to take the next sequential class. If the student passes the course, he or she will receive a grade of “P” for pass and credit. Students about to enter 9th grade are not permitted to take advancing courses in the summer before 9th grade begins

MAKE-UP WORK DUE TO ABSENCE

When a student is absent, the student is given the number of days to make-up the missed work equal to the number of days the student was absent. However, if a student is absent from class for one day and misses a test or quiz they must take the exam when they return to class the following day. If a student is absent two or more days and misses a test/quiz the student will have (10) school days to make up all test and quizzes.

FAILURE TO COMPLETE MISSED ASSIGNMENTS WILL RESULT IN A FAILING GRADE. INCOMPLETE GRADES AT THE END OF THE YEAR WILL CONVERT TO FAILURES.

HOMEWORK REQUESTS DUE TO ABSENCE

Requests for homework should be made through the Guidance Office according to the following procedure:

Requests for homework assignments should be made only if the anticipated absence is for more than FIVE DAYS. Work may be picked up in the Guidance Office within 2 business days after the request is made.

EXTRA HELP

Extra help is available for all students after school. A 3:45 PM late bus is available for those students involved with extra help.

The following programs are available and the student should see their counselor to take advantage of the program which best meets their needs:

Tutoring	Freshman Academy
Play It Smart	Credit Recovery
Library	Plato
Computer Lab	

SELECTION OF THE VALEDICTORIAN AND SALUTATORIAN

- The New Brunswick Board of Education mandates that the student who is selected to receive the Valedictorian and Salutatorian Award must meet the following criteria:
- He/she must be a graduating senior
- He/she must have been enrolled in the high school for a minimum of six(6) consecutive semesters
- Of those students who have met the above high school requirements, the student with the highest grade point average (GPA) will be selected as the valedictorian
- Of those students who have met the above high school requirements, the student with the second highest (GPA) will be eligible to be selected as the salutatorian
- The selection of the valedictorian and salutatorian will be determined at the conclusion of the first semester of the senior year

AVID

AVID (Advancement Via Individual Determination) is a national college preparatory program which supports students who have the potential for attending college but may not yet have the study skills and readiness for a college preparatory program. Students must apply to AVID to participate and admission is based upon test scores, grades, teacher recommendations, and a personal interview. Once accepted, students are required to take a mandatory AVID course each year which focuses on all aspects of academic success and college readiness. Students are also required to challenge themselves in classes such as Honors or AP level programs.

GRADING POLICY FOR TRANSFER STUDENTS

A transfer student to NBHS from any school will have grades changed according to the grading system utilized by NBHS. A minus grade will be converted to its letter equivalent. Weighted grading will not be applied to any course that is not weighted at NBHS.

Students transferring to NBHS during the school the school year will be receive partial credit from work satisfactorily completed at their previous school.

HONOR ROLL

Principal's Honor Roll and Honor Roll lists are generated for each marking period. Students on the Principal's Honor Rolls are those students who have attained all "A's" for the making period. Students on the Honor Roll are those students who have attained all "A's" and "B's" for the marking period.

NATIONAL HONOR SOCIETY POLICY

- Students must be members of the sophomore, junior, or senior classes and must have completed one year at NBHS to be eligible for consideration.
- At the end of the first semester, the faculty advisor will evaluate the academic records of students to determine eligibility. The students must have attained a minimum GPA of 3.25 at the conclusion of the previous year to be eligible for consideration. The grade point average is computed according to current New Brunswick Board of Education Policy.
- The advisor will contact all eligible students and invite them to apply for membership into the National Honor Society. After completion of the application the faculty council will review applications. The committee will identify those students who meet the criteria of leadership, service, and character as outlined in the NBHS and the NHS Handbooks. All applicants must have complete 20 hours of community service.
- Students are then selected by a majority vote of the five (5) faculty member council. The advisor of the NHS is not a voting member.
- The faculty advisor will inform the Principal who has been selected. The parents/guardians of the newly chosen members will be notified by the Principal.

ADVANCED PLACEMENT COURSES

The Advanced Placement program is designed to prepare students for the content mastery and critical thinking skills expected of college students. By participating in this program the student will be given the opportunity to earn college credit and to stand out in the college admission process.

New Brunswick High School offers the following AP Courses:

Biology, Chemistry, AB Calculus, BC Calculus, Composition, English Literature, Physics, Spanish, US History

Students who apply to the Advanced Placement courses must:

- Meet all prerequisites as prescribed by the description in the Course of Studies
- Have a teacher and/or supervisor recommendation
- Must meet all summer course work requirements
- Must take the AP Exam at the conclusion of the course

OPEN ENROLLMENT

NBHS extends open enrollment to Honors and AP classes to *all* motivated students next year. *AP Language and Composition*, the school's most recently added AP class begun in 2006-2007, has successfully piloted the open enrollment policy by drawing students from the ranks of regular education as well as honors classes and accepting all students who complete a summer reading and writing assignment. Open enrollment follows the "AP Equity Policy" endorsed by *College Board* that "all students who are willing to accept the challenge of a rigorous academic curriculum should be considered for admission to AP courses (2002). Next year, all NBHS students will be given the opportunity to take the AP courses they wish under the advisement of their guidance counselor, subject supervisor and the appropriate AP teacher. A student choosing this option, who does not meet the stated prerequisite for the selected course, will be required to sign a statement/contract explaining the expectations and work load of the courses and to maintain a "C" or better average during the first two marking periods.

ATHLETIC ELIGIBILITY

The following policies have been established by the New Brunswick Board of Education to participate in interscholastic athletics:

- All first year 9th grade students are eligible to participate in fall and winter athletics.
- To participate in fall and winter sports all second year 9th grade students and all students in grades 10, 11, 12 must have achieved a final overall GPA of 2.00 at the conclusion of the previous year. All grades received in an accredited summer school will be used to determine the GPA.
- At the conclusion of the first semester all athletes must have achieved a semester GPA of 2.00 to participate in a spring sport.

In addition all athletes must meet the following NJSIAA requirements:

Fall season/Winter season---the student must have earned 27.5 credits at the conclusion of the previous school year. Any courses satisfactorily completed in summer school will count towards the total credits for that year.

Spring Season---the student must have earned 13.75 credits during the 1st semester of the current year

ACCEPTABLE USE AGREEMENT (AUA)

The New Brunswick Public School District has an Acceptable Use Agreement that all students and their parent/guardian must sign. This form must be completed each year. This agreement covers acceptable and unacceptable behavior while utilizing the technology resources available to students. All students must return this form completed. Copies are available in the High School Counseling Office.

WORKING PAPERS

Students who work are required to have working papers as required by law. Students should obtain the application for working papers from the Guidance Office during their lunch periods or after school.

STUDENTS WHO ARE 18 OR OLDER DO NOT NEED WORKING PAPERS.

9TH AND 10TH GRADE ACADEMIES

The Freshman and Sophomore Academy system has been designed to support all students as they transition from middle school to high school. Two academy teams per grade level have been established with each academy having a set of core teachers who teach the same students. This core team stays together for the students through their freshman and sophomore years providing consistency and extra support for each student.

THEMED INSTITUTES

Themed Institutes are available for all juniors and seniors. These programs allow students to undertake a prescribed series of courses built around a specific area of interest. Through this exposure students will have a better understanding of career expectations necessary for occupations in a variety of professions.

The following themes are available:

1. Hospitality, Recreation and Consumer Services
2. International Business and Finance
3. Law, Public Safety and Security
4. Math, Science, and Engineering
5. Fine, Visual and Performing Arts

A Senior Practicum will be available through each theme. This experience will afford students the opportunity to interact with professionals in a work environment and to learn the skills and expectations necessary for this occupation.



New Brunswick High School's Themed Institutes

International Business and Finance

Business and finance in the 21st century functions in a global marketplace. Success in business today requires a thorough background in the basics of economics and marketing as well as an understanding of how world events impact all business decisions.

Students who complete the course of study for the International Business and Finance Themed Institute will have studied various aspects of business and will develop essential skills in critical thinking, decision making and problem solving. In addition, emphasis will also be placed on communication skills and broadening global awareness to prepare students for post secondary education and career opportunities. The study of International Business and Finance culminates with a Senior Practicum which includes an internship.

Institutos Temáticos de la Escuela Secundaria de New Brunswick

Negocio Internacional y Finanzas

El campo de **Negocio y Finanzas** demuestra que funciona en el Mercado global del Siglo 21. El éxito en el negocio hoy en día requiere de un completo conocimiento previo de los elementos básicos de economía y mercadeo tanto como la comprensión de como los eventos mundiales impactan las decisiones de todo negocio.

Los estudiantes que completen el curso de estudios para Negocio Internacional y Finanzas del Instituto Temático habrán estudiado los varios aspectos del negocio y desarrollarán destrezas esenciales del pensamiento crítico, toma de decisiones y solución de problemas. Además, se habrá colocado énfasis en las destrezas de comunicación y se habrá ensanchado la toma de conciencia global para preparar a los estudiantes para su educación post-secundaria y para oportunidades en carreras. El estudio de Negocio Internacional y Finanzas culmina con una "Práctica Interna del Cuarto Año" el mismo que incluye un "Proyecto Final del Cuarto Año"

International Business and Finance

Themed Institutes Courses	Occupations Relating To This Theme
Business Law	School Business administrator
Introduction to Business	Accounting and Payroll Clerk
Accounting I	Billing Clerk
Accounting II	Bank Loan Officer
Personal Finance	Financial Services Associate
Computer Applications I	Budget Director
Computer Applications II	Entrepreneur
Economics	Receiving Clerk
Web design	Certified Financial analyst
Senior Practicum	Economist
	Accountant, CPA
	Stockbroker
	Franchise Manager
	Real Estate Broker
	FBI Agent
	IRS Agent
	CIA Agent
	Tax Preparer
	Educator
	Auditor
	Office Manager
	Project Manager



New Brunswick High School's Themed Institutes

Hospitality, Recreation and Consumer Services

Today much of our economy is based on a service industry for a country of consumers. This institute provides a synthesis of the knowledge, skills and practices for Hospitality, Recreation and the Family and Consumer Services such as Culinary Arts, Childcare and Fashion Design. The Hospitality strand includes hotel management and tourism; the Recreation strand encompasses personal fitness and sports administration; Family and Consumer Services covers Culinary Arts, Fashion Design and Childcare.

Students who complete the course of study for the Hospitality, Recreation and Consumer Services Themed Institute will have studied both the practical skills and business concepts for their selected field and will develop essential skills in critical thinking, decision making and problem solving. In addition, emphasis will be placed on communication skills and broadening global awareness to prepare students for post secondary education and career opportunities. The study of Hospitality, Recreation and Consumer Services culminates with a Senior Practicum which includes an internship and final senior project.

Institutos Temáticos de la Escuela Secundaria de New Brunswick

Hospitalidad, Recreación y Servicios del Consumidor

Hoy en día gran parte de nuestra economía está basada en una industria de servicios para un país de consumidores. Este Instituto provee una síntesis de conocimientos, destrezas y prácticas para Hospitalidad, Recreación y Ciencias del Consumidor y la Familia, tales como Artes Culinarias, Cuidado Infantil y Diseño de Moda. El aspecto de Hospitalidad incluye Administración Hotelera y Turismo; el aspecto de Recreación acompaña el estado físico personal y la administración de deportes; el área de Servicios del Consumidor y la Familia cubre las Artes Culinarias, Diseño de Modas y Cuidado Infantil.

Los estudiantes que completen el curso de estudio para el Instituto Temático de Hospitalidad, Recreación y Ciencias del Consumidor habrán estudiado, las destrezas prácticas y los conceptos de negocio de su campo seleccionado y desarrollarán las destrezas esenciales del pensamiento crítico, toma de decisiones y solución de problemas. Además se habrá colocado énfasis en las destrezas de la comunicación y el ensanchamiento de la toma de conciencia global para preparar a los estudiantes para su educación post-secundaria.

Hospitality, Recreation and Consumer Services

Themed Institutes Courses	Occupations Relating To This Theme
World Travel and Tourism	Hotel Worker
Sports Marketing	Front Desk Clerk
Personal and Nutritional Fitness	Hotel Manager
Basic Clothing	Special Events coordinator
Clothing II	Recreation Center Worker
Advanced Clothing	Recreation Center manager
Early Childhood Education	Physical education Teacher
Early Childhood Education II	Personal Trainer
Culinary Arts I	Fitness Center Worker
Culinary Arts II	Fitness Center manager
Costume Design	Fashion Designer
Senior Practicum	Fashion buyer
	Clothing Store Worker
	Clothing Store manager
	Theater Costumer
	Window & Display Dresser
	Day care Worker
	Day Care Manager
	Pre-school Teacher
	Chef
	Line Cook
	Kitchen Worker
	Nutritionist
	Restaurant manager



New Brunswick High School's Themed Institutes

Math, Science, and Engineering

Engineering is the discipline and profession of applying technical and scientific knowledge and utilizing natural laws and physical resources in order to design and implement materials, structures, machines, devices, systems, and processes that safely realize a desired objective and meet specified criteria.

Students who complete the course of study for the Math, Science, and Engineering Themed Institute will have investigated the various career paths in Engineering and have developed skills through project-based learning needed for post secondary education in these fields. The institute culminates with a Senior Practicum which includes an internship and final senior project.

Institutos Temáticos de la Escuela Secundaria de New Brunswick

Matemática, Ciencia e Ingeniería

La ingeniería es una disciplina y profesión que consiste en aplicar conocimiento técnico y científico y en utilizar las leyes naturales y los recursos físicos para diseñar e implementar materiales, estructuras, instrumentos, sistemas y procesos que en forma segura ejecuta un objetivo planteado y cumple con criterios especificados.

Los estudiantes que completen el curso de estudios para Matemática, Ciencia e Ingeniería del Instituto Temático habrán investigado los diferentes caminos de la Ingeniería y habrán desarrollado destrezas con la ayuda del denominado “aprendizaje basado en proyectos” necesarios para la educación post-secundaria en esos campos. El Instituto culmina con una “Práctica del Cuarto Año” la misma que incluye una “Práctica Interna” y un “Proyecto Final del Cuarto Año.”

Math, Science, and Engineering

Themed Institutes Courses

Introduction to Engineering

Introduction to Construction Trades

Drafting I

CAD I

CAD II

Senior Practicum

Occupations Relating To This Theme

Accountant / Auditor / Actuary

Aerospace / Astrospace Engineer

Automotive Service Technician / Mechanic

Biological Technician

Biomedical Engineer

Computer Aided Drafting / Machining / Modeling Technician

Chemical Engineer / Chemist

Civil Engineer

Compliance officer – Construction, Health, Safety, Transportation

Computer and Information Systems Manager

Computer Hardware Engineer

Computer Programmer

Computer Hardware Engineer

Computer Programmer / Software, Applications and Systems Engineer

Database Administrator

Electrical Engineer / technician

Environmental Engineer

Food Scientist and Technologists

Forest and Conservation Technicians

Health and Safety Engineer

Industrial Engineer

Mechanical Engineer / technician

Machinist

Management Analyst

Numerical tool and Process Control Programmer

Operations Analyst / technician



New Brunswick High School's Themed Institutes

Law, Public Safety and Security

Law and Public Safety is a field crucial to the maintenance of an orderly, free society. A large and varied array of professions has emerged to support the ideals of the U.S. Constitution to promote justice and safety in our turbulent world.

Students who complete this course of study will gain a practical knowledge and understanding of the importance of the system that supports justice and safety in our society. They will broaden critical thinking, decision-making, and problem solving skills while developing an ethical, moral base necessary in this field and prepare for post secondary education and career opportunities. The study of Law and Public Safety culminates with a Senior Practicum which includes an internship and final senior project.

Institutos Temáticos de la Escuela Secundaria de New Brunswick

Leyes, Público Seguro y Seguridad

Leyes, Público Seguro y Seguridad es un campo crucial para el mantenimiento de una sociedad libre y ordenada. Una amplia y variada gama de profesiones ha resurgido para respaldar los ideales de la Constitución de los Estados Unidos así como para promover la justicia y la seguridad en nuestro mundo turbulento.

Los estudiantes que completen este curso de estudio obtendrán un conocimiento práctico y una comprensión de la importancia de los sistemas que respaldan la justicia y la seguridad en nuestra sociedad. Ellos ampliarán su pensamiento crítico, su toma de decisiones, y sus destrezas para solucionar problemas mientras desarrollan una base moral y ética necesaria en este campo y prepararse para una educación post-secundaria y para oportunidades en las carreras. El estudio de **Leyes, Público Seguro y Seguridad** culmina con una "Práctica del Cuarto Año" el mismo que incluye una "Práctica Interna" y un "Proyecto del Cuarto Año."

Law, Public Safety and Security

Themed Institutes Courses	Occupations Relating To This Theme
Criminal Justice	Police Officer
Introduction to Law	Corrections Officer
Power Politics and You	FBI Agent
Senior Practicum	CIA Agent
	Court Clerk
	Probation Officers
	Warden
	Computer Security
	Gaming Surveillance
	Information Security
	Security Guard
	Police Detective
	Administrative Law Judge
	Lawyer
	Legal Asst. Paralegal
	Transit Railroad Police
	Sheriffs and Deputy Sheriffs
	Police, Fire and Ambulance Dispatcher
	Park Ranger
	Evidence Technician
	Federal Marshall



New Brunswick High School's Themed Institutes

Fine, Visual and Performing Arts

The Fine, Visual and Performing Arts Themed Institute supports study in the fields of music, dance, theater and fine arts. Studying in this theme enables students to pursue their creative passions, while at the same time developing personal discipline that can be applied to all aspects of life.

Students who complete the course of study for the Visual and Performing Arts Themed Institute will have had the opportunity to develop their talents and interests while gaining knowledge about the history and structure of the art form. In addition to becoming more well-rounded individuals, the students will be prepared for post secondary education and career opportunities. The study of Visual and Performing Arts culminates with a Senior Practicum which includes an internship and final senior project.

Institutos Temáticos de la Escuela Secundaria de New Brunswick

Bellas Artes, Actuación y Artes Visuales

El Instituto Temático de Actuación y Artes Visuales respalda el estudio de los campos de la música, danza, teatro y bellas artes. Estudiar en este tema faculta a los estudiantes hacia la persecución de sus pasiones creativas, mientras que al mismo tiempo desarrollan disciplina personal que puede ponerse en práctica en todos los aspectos de la vida.

Los estudiantes que completen el curso de estudio para el Instituto Temático de Actuación y Artes Visuales tendrán la oportunidad de desarrollar sus talentos e intereses mientras van ganando conocimiento sobre la historia y estructura de la forma artística. Además de convertirse en individuos completos en su formación, los estudiantes serán preparados para su educación post-secundaria y para oportunidades en las carreras. El estudio de la Actuación y Artes Visuales culmina con una “Práctica del Cuarto Año” la misma que incluye una “Práctica Interna” y un “Proyecto Final del Cuarto Año”

Fine, Visual and Performing Arts

Themed Institutes Courses	Occupations Relating To This Theme
<u>VISUAL ARTS</u>	<u>MUSIC</u>
Visual design I	Performance Musician
3D Design	- band
Graphic Design	- symphony orchestra
Painting Studio	- choral group
Animation Studio	- opera
Introduction to Photo	- jazz
<u>MUSIC</u>	- popular music
Concert Band	- armed forces music teacher
Instrumental Music	- public/private school
String Ensemble	- studio (private students)
Elite Choir	- recording technician/engineer composer
Concert Choir	- classical
Music Appreciation	- film score/video games score
Music Theory	- songwriter/popular music, creative technician
<u>THEATER</u>	Producer (TV, radio, movies)
Theater Workshop	Conductor
Acting Studio	Session musician (playing in studio recordings)
Theater Production	Musicologist music historian music
Television Production	Director for musicals (theatre)
<u>DANCE</u>	Vocal coach
Dance History	Music therapist
Introduction to Dance	Church musician
Intermediate Dance	Music Teacher
Dance Production	

Senior Practicum	

Fine, Visual and Performing Arts

Occupations Relating To This Theme

DANCE

Performance (performer)
Choreographer
Lighting designer
Sound Technician
Stage Management
Dance Instructor
Costume Designer
Dance Director

FINE VISUAL ARTS

Product Photographer
Product Illustrator
Airbrush Artist
Computer Graphic Artist
Commercial Photographer
Environmental Artist
Film Animator
Film Editor
Fine Art Photographer
Illustrator
Interior Designer
Make-up Artist
Photo Stylist
Sketch Artist (police/court)
Poster Artis
Printmaker
Sculptor
Printmaker
Sculptor

Occupations Relating To This Theme

THEATRE

Acting, Director,
Stage Manager,
Set Designer and Carpentry, L
Lighting Designers,
Electrician, and Board Operator,
Sound designer,
Costume designer, dresses
theatre manager,
company manager,
producer,
usher,
publicist,
scene painter,
playwright,
hair stylist,
make-up designer,
special efforts designer,
technology coordinator
sound technician,
singer,
dancer,
choreographer,
teacher,
critic/writer,

LANGUAGE ARTS

In order to meet State and District requirements, all students must complete four years of English while in high school.

ENGLISH 9

Grade 9

5 Credits – Full Year – Required for graduation

Prerequisite(s): Successful completion of Grade 8

The first year of high school English emphasizes the development of language arts skills in the areas of vocabulary, writing, reference and reading. Emphasis is placed on improving competency in the mechanics and organization of writing. The fundamentals for writing the research paper are also covered. Reading comprehension will be developed through the study of all literary genres using selections from modern and classical writers.

HONORS MODERN AND CLASSICAL LITERATURE

Grade 9

5 Credits – Full Year – Fulfills English 9 requirement

Prerequisite(s): Recommended by Grade 8 teacher, building principal and guidance counselor. Score in Proficient or Advanced Proficient on the grade 8 NJASK.

This course consists of a chronological and thematic introduction to the Western literary tradition, beginning with excerpts from the Greek epics and continuing through the modern novel. Readings include selections from all literary genres. The basics of grammar and sentence construction are reviewed through intensive work in expository writing which includes the fundamentals of the research paper. Vocabulary development includes building verbal skills for the SAT.

ENGLISH 10

Grade 10

5 Credits – Full Year – Required for graduation

Prerequisite(s): Successful completion of English 9

This course presents the students with an opportunity to continue development in critical thinking, literary awareness and language skills. Emphasis on developing clear, coherent writing enables students to progress in communication skills. Students study American authors to develop an historical awareness and appreciation for the contributions of various groups to American literature. In addition, students are required to complete a research paper.

HONORS AMERICAN LITERATURE

Grade 10

5 Credits – Full Year – Fulfills English 10 requirement

Prerequisite(s): Successful completion of English 9 and recommendation from Grade 9 English teacher.

This course is a survey of the historical development of American literature. Readings include selections by authors of various ethnic and cultural backgrounds with emphasis on their contributions to American literature. Students are encouraged to approach reading and writing from an analytical perspective. Development of writing skills continues with concentration on expository and persuasive essays. Vocabulary development, including building verbal skills for the SAT, is also stressed. Students are required to complete a formal research paper.

ENGLISH 11

Grade 11

5 Credits – Full Year – Required for graduation

Prerequisite(s): Successful completion of English 9 and 10.

The objective of English 11 is to increase the student's proficiency in reading and communication skills through continued development of critical thinking skills. Students will study British authors to develop an awareness of the Western literary tradition. The focus in writing will be on preparing an effective persuasive essay. Vocabulary development will continue and research skills will be reviewed

HONORS BRITISH LITERATURE

Grade 11

5 Credits – Full Year – Fulfills English 11 requirement.

Prerequisite(s): Successful completion of English 9 and 10. Recommendation from Grade 10 English teacher.

This course is designed to provide potentially gifted students with opportunities to express their ideas develop analytical reasoning skills and clarify values. Through an in-depth study of works of British literature, students will learn to develop and support generalizations and extend generalizations to interpret new situations. In large and small group discussions, as well as through independent work, emphasis is placed on using reasoning strategies and critical thinking skills. Students also complete a formal research paper. This course prepares students who are considering taking AP English in the twelfth grade.

ADVANCED PLACEMENT LANGUAGE AND COMPOSITION

Grade 11

5 Credits – Full Year – Fulfills English 11 requirement.

Prerequisite(s): Successful completion of Survey of American Literature or English 10 with a grade of "B" or better; recommendation by a previous English teacher; interview with English supervisor and AP teacher; successful completion of summer assignment. (*open enrollment under the advisement of the English supervisor and AP teacher*)

The AP Language and Composition course is based on the premise that college-

level material can be taught successfully to able and well-prepared secondary students. The course will focus on composition and rhetorical analysis. Analytical and persuasive writing and non-fiction prose texts will be emphasized. The course work will culminate with the AP examination in the spring. Colleges may offer advanced standing or credit for one or more semesters of college based on performance on the AP exam.

ENGLISH 12

Grade 12

5 Credits – Full Year – Required for graduation

Prerequisite(s): Successful completion of English 9, 10 and 11

English 12 is designed to continue development of higher level language arts skills. Emphasis is on a more critical and perceptive approach to modern American and world literature to promote a better understanding and appreciation of multi-cultures. Development of effective communication skills is stressed.

HONORS ENGLISH 12

Grade 11

5 Credits – Full Year – Fulfills English 11 requirement.

Prerequisite(s): Successful completion of English 9, 10 and 11.

Recommendation from Grade 10 English teacher.

This course is designed to provide potentially gifted students with coursework that further develops their critical and perceptive approach to modern American and world literature.

ADVANCED PLACEMENT LITERATURE AND COMPOSITION

Grade 12

5 Credits – Full Year – Fulfills English 12 requirement.

Prerequisite(s): Successful completion of English 11 with a grade of “B” or better; recommendation by a previous English teacher; interview with English supervisor and AP teacher; successful completion of summer assignment. (*open enrollment under the advisement of the English supervisor and AP teacher*)

The AP English course is based on the premise that college-level material can be taught successfully to able and well-prepared secondary students. The course will require intense study and analysis of literary works with an emphasis on analytical writing. The course work will culminate with the AP examination in the spring. Colleges may offer advanced standing or credit for one or more semesters of college based on performance on the AP exam.

ENGLISH AS A SECOND LANGUAGE

ENGLISH AS A SECOND LANGUAGE LEVEL I

Grades 9, 10, 11, 12

5 Credits – 1st Semester (Everyday)

5 Credits – 2nd Semester (Everyday)

Prerequisite(s): None

Level I is an introduction to the English language for non-English speaking students. The purpose of the course is to instruct the students in vocabulary, basic structural forms of the English language, correct pronunciation, intonation, speech habits and to develop listening and comprehension skills. Culture and career awareness will be introduced. Appropriate use of ESL strategies through planned activities will be an important component of this course.

ENGLISH AS A SECOND LANGUAGE LEVEL II

Grades 9, 10, 11, 12

5 Credits – 1st Semester (Everyday)

5 Credits – 2nd Semester (Everyday)

Prerequisite(s): Successful completion of ESL Level I or ability to speak, read, and write English according to course objectives

Level II is for the limited English proficient students who have successfully completed ESL Level I. The purpose of this course is to continue to instruct the students in the Basic English vocabulary and language structure. Pronunciation, intonation, and speech habits are further developed and reading and writing skills are introduced. Culture and career awareness will continue to be discussed and implemented. Appropriate use of ESL strategies through planned activities will be an important component of this course.

ENGLISH AS A SECOND LANGUAGE LEVEL III

Grades 9, 10, 11, 12

5 Credits – Full Year

Prerequisite(s): Successful completion of ESL Level II or ability to speak, read, and write English according to course objectives

Level III is for the limited English proficient students who have successfully completed ESL Level II. The purpose of this course is to continue to instruct the students in advanced English vocabulary, language structure, pronunciation, intonation, and speech habits. The course will further develop increased reading and writing skills. Culture and career awareness will continue to be discussed and implemented. Appropriate use of ESL strategies through planned activities will be an important component of this course.

ENGLISH AS A SECOND LANGUAGE LEVEL IV

Grades 9, 10, 11, 12

5 Credits – Full Year

Prerequisite(s): Successful completion of ESL Level III and ability to speak, read, and write English according to course objectives

Level IV is for the limited English proficient students who have successfully completed ESL Level III. The purpose of this course is to stress more advanced reading and writing skills in addition to continuing the development of oral and comprehension tasks. Culture and career awareness will continue to be discussed and implemented. Appropriate use of ESL strategies through planned activities will be an important component of this course.

HONORS INTENSIVE ENGLISH AS A SECOND LANGUAGE LITERACY

Grades 9, 10

10 Credits – Full Year (Everyday)

Prerequisite(s): ACCESS Spring score of 4 or better, Terranova scores, Grade A or B in previous ESL course, recommendation by the ESL teacher and Principal of Bilingual/ESL.

The ESL Intensive Literacy course team taught by an ESL and a Language Arts teacher is for highly motivated ESL students who meet the course prerequisites. This 10-credit, two-semester course will include advanced writing which will be enhanced by extensive use of technology and the reading essentials of vocabulary, comprehension fluency and proficiency. Culture and career awareness will continue to be discussed and implemented. Appropriate use of ESL strategies through planned activities will be an important component of this course.

ACCELERATED ESL

Grades 9, 10, 11

10 Credits – Full Year (Everyday)

Prerequisite(s): ACCESS Spring score of 3 or better, recommendation by the ESL teacher and Principal of Bilingual/ESL.

The Accelerated ESL course is designed to be a feeder course for ESL Intensive Literacy.

It will bring together students who have been in the United States for at least one year or less, but show exceptional language skills and a desire to progress at a faster pace. The course provides for an accelerated development of vocabulary, writing skills and understanding or grammatical structure through the use of extensive cross-contextual reading material, and intensive use of technology. Multiple opportunities will provide, in authentic situations for developing oral fluency with focus on pronuncia-

tion, intonation and speech habits. Students taking this more challenging course will be exempt from the Fundamentals of Language Arts Literacy. Culture and career awareness will continue to be discussed and implemented. Appropriate use of ESL strategies through planned activities will be an important component of this course.

**FUNDAMENTALS OF LANGUAGE ARTS LITERACY–ESL–
LEVEL I**

5 Credits – 1st Semester (Everyday)

5 Credits – 2nd Semester (Everyday)

Prerequisite(s): Current placement in ESL LEVEL I

This course is designed for limited English proficient students to initiate or reinforce the development of functional proficiency in English language arts literacy. It stresses vocabulary, comprehension and study skills as well as an awareness of the need to transfer these skills to both everyday life and other subject areas. Culture and career awareness will continue to be discussed and implemented. Appropriate use of ESL strategies through planned activities will be an important component of this course.

**FUNDAMENTALS OF LANGUAGE ARTS LITERACY–ESL–
LEVEL II**

5 Credits – 1st Semester (Everyday)

5 Credits – 2nd Semester (Everyday)

Prerequisite(s): Successful completion of ESL LAL LEVEL I

This course is designed for limited English proficient students who have successfully completed ESL LAL I. This course continues to develop reading comprehension, verbal and writing skills as well as increase vocabulary development. Culture and career awareness will continue to be discussed and implemented. Appropriate use of ESL strategies through planned activities will be an important component of this course.

**FUNDAMENTALS OF LANGUAGE ARTS LITERACY–ESL–
TRANSITION**

5 Credits – Full Year

Prerequisite(s): Enrollment in ESL Levels II or above, Fundamentals of Language Arts Literacy ESL I and Recommendation of Administrator

This course is designed to assist English Language Learners to prepare for success on the HSPA through further development of reading comprehension, writing and English language skills. It is also intended to encourage and help provide a transition for students into traditional language arts classes. Students will read, view and/or listen to various texts and respond in both written and oral formats. Culture and career awareness will continue to be discussed and implemented. Appropriate use of ESL strategies through planned activities will be an important component of this course.

LANGUAGE ARTS ELECTIVES

HSPA REVIEW – LANGUAGE ARTS

Grade 11

2.5 Credits - 1 Semester

Prerequisite(s): Recommendation of Teacher, “D” or “F” in English 10

These are a series of courses designed for that student who is in need of remediation in the areas of reading, writing, speaking, listening and viewing as determined by the prerequisites listed for the various grade levels. These five areas are assessed in the junior year and are part of the state’s mandated graduation testing process. In these courses, emphasis is placed on preparing students to pass this rigorous assessment process. These courses are also designed to prepare students for their spring block English classes. Students will read, view, and/or listen to various text types and situations and then respond either orally or in written format. A student may exit this sequence of courses by teacher and department chair recommendation with documentation.

ALTERNATIVE HIGH SCHOOL ASSESSMENT (AHSA/HSPA)

Grade 12

0.0 Credits - 1 Semester

Prerequisite(s): Failure to pass the Language Arts Literacy section of the New Jersey High School Proficiency Assessment (HSPA).

This course is designed to provide a comprehensive review and practice of those skills needed to pass the Language Arts Literacy section of the HSPA. These skills and concepts include: building vocabulary through context, reading and discussing narrative and persuasive texts, answering open-ended questions, using graphic organizers, applying problem-solving techniques, writing a persuasive essay or letter, responding in writing to a picture prompt, and editing and revising a letter or essay.

JOURNALISM

Grades 9, 10, 11, 12

2.5 Credits - 1 Semester

Prerequisite(s): Grade of “C” or better in the most recent Language Arts class.

The Journalism program presents an opportunity for students to sharpen writing skills, to analyze newspaper work and to evaluate it as a possible career choice. Oral communication skills are developed through interview and discussion. Students learn-through publishing the school newspaper, Highlights, the skills inherent in writing, editing, management, advertising and photography. Class assignments are planned to assist students in writing and publishing the school newspaper.

PUBLIC SPEAKING

Grades 10, 11, 12

2.5 Credits - 1 Semester

Prerequisite(s): None

This course introduces the learner to the nuances of public speaking. Major emphasis includes, but is not limited to, the following: informal speech, impromptu speech, extemporaneous speech, formal speech, and demonstration speech. Students deliver a speech in each category. Use of voice and gestures is emphasized as an aide to communication. Appropriate attire for the speeches is expected. As a final project, the student delivers a formal persuasive speech before an audience recommended by the teacher.

SCHOLASTIC APTITUDE TEST PREPARATION

Grades 10, 11, 12

2.5 Credits - 1 Semester

Prerequisite(s): Successful completion of college prep level Math and English.

All college bound sophomores, juniors and seniors are encouraged to take this course. The course goals will focus on preparing students to score well on the college entrance exams in the verbal and math sections as well as on improving reading comprehension skills.

WRITERS WORKSHOP I

Grade 9

2.5 Credits – 1 Semester – Required Elective

Writer’s Workshop I immerses students in the study of several forms of writing across a variety of media in order to prepare them for the level of literacy and thinking skills they will need to succeed as learners. Students will work independently and collaboratively to draft and revise their writing; in doing so, they will build skills that will help them gain confidence and self-reliance as readers and writers. By engaging in higher-level thinking processes, students will be challenged to examine texts critically and to synthesize their knowledge to create published pieces for a writing portfolio.

WRITERS WORKSHOP I

Grade 9

5 Credits — Full Year – Required Elective

Writer’s Workshop immerses students in the study of several forms of writing across a variety of media in order to prepare them for the level of literacy and thinking skills they will need to succeed as learners. Students will work independently and collaboratively to draft and revise their writing; in doing so, they will build skills that will help them gain confidence and self-reliance as readers and writers. By engaging in higher-level thinking processes, students will be challenged to examine texts critically and to synthesize their knowledge to create published pieces for a writing portfolio.

WRITERS WORKSHOP II

Grade 10

2.5 Credits – 1 Semester – Required Elective

Prerequisite(s) – *None*

Writer’s Workshop II immerses students in the study of several forms of writing across a variety of media in order to prepare them for the level of literacy and thinking skills they will need to succeed as learners. Students will work independently and collaboratively to draft and revise their writing; in doing so, they will build skills that will help them gain confidence and self-reliance as readers and writers. By engaging in higher-level thinking processes, students will be challenged to examine texts critically and to synthesize their knowledge to create published pieces for a writing portfolio.

WRITERS WORKSHOP II

Grade 10

5 Credits — Full Year – Required Elective

Writer’s Workshop II immerses students in the study of several forms of writing across a variety of media in order to prepare them for the level of literacy and thinking skills they will need to succeed as learners. Students will work independently and collaboratively to draft and revise their writing; in doing so, they will build skills that will help them gain confidence and self-reliance as readers and writers. By engaging in higher-level thinking processes, students will be challenged to examine texts critically and to synthesize their knowledge to create published pieces for a writing portfolio.

MATHEMATICS

In order to meet State and District requirements, all students must complete 15 credits of mathematics while in high school. Math courses successfully completed prior to entering high school, may satisfy course prerequisites but do not count toward high school credit.

The mathematics curriculum is designed for all students to meet the mathematics requirements established by the New Jersey Core Curriculum Content Standards. New entrants, ESL and Bilingual students will be given diagnostic tests for appropriate placement. Placements shall be reviewed/approved by the district Mathematics Supervisor and/or Counseling Department. The criteria listed under Prerequisites shall be used to place students into appropriate courses. Student performance grades and teacher recommendation will be used to determine the best placement for a student. Recommendations shall be based on the quality of test/quiz grades, group project work, class participation, homework, communication skills (both verbal and written), and general attitude toward learning Mathematics. Recommendations support future success in high school Math classes and on the High School Proficiency Assessment (HSPA).

BILINGUAL PRE-ALGEBRA (Full Year – Everyday)

10 Credits

Prerequisite(s): None

This is a course that follows a structured scope and sequence, introducing, reinforcing and extending topics needed for success in Algebra I and Geometry. Measurement, proportional reasoning, statistics, probability, technology, and problem solving are topics of focus in this course. Students may use computer software and graphing calculators to enhance their mathematical understanding and problem solving capabilities. A designated portion of weekly lessons will be dedicated to developing and reinforcing those mathematical cluster skills that have been identified on the High School Proficiency Assessment. This course meets everyday.

PRE-ALGEBRA – 5 Credits

ALGEBRA 1A/1B

Grades 9, 10

10 Credits - Full Year (Everyday)

Prerequisite(s): Teacher recommendation

Borderline students, those whose 8th grade NJASK scores were within 20 points of the passing grade, may be considered candidates for this course. This is a full-year course that follows a structured scope and sequence; introducing, reinforcing and extending topics identified by the New Jersey Core Curriculum Standards and the National Council of Mathematics Teachers. This course may include the use of labs, group explorations, calculators, and computer software to study real world problem solving techniques and presentation strategies. Students will model and solve problems that involve varying quantities by using variables, expressions, equations, and inequalities. They will operate on matrices in real world applications, and use Probability and Statistics to describe data sets, model situations, and support inferences. A designated portion of weekly lessons will be dedicated to developing and reinforcing those mathematical cluster skills that have been identified on the High School Proficiency Assessment. This course is designed to prepare students to take the state End-of-Course Algebra 1 assessment.

ALGEBRA I

Grades 9, 10, 11, 12

5 Credits – Full Year

Prerequisite(s): A projected passing grade in Pre-Algebra and passing NJASK score. Teacher recommendation

Student should exhibit a satisfactory:

- Understanding of Pre-algebra skills and concepts
- Ability to grasp and understand new concepts
- Ability to apply new concepts

- Ability to explain answers in written and oral format
- Positive attitude toward classwork, homework and mathematical problem solving.

Borderline students, those whose 8th grade NJASK scores were within 20 points of the 200 needed for passing, may be considered candidates for this course. This course follows a structured scope and sequence, introducing, reinforcing and extending topics identified by the New Jersey Core Curriculum Standards and the National Council of Mathematics Teachers. This course may include the use of labs, group explorations, calculators and computer software to study real world problem solving techniques and presentation strategies. Students will model and solve problems that involve varying quantities by using variables, expressions, equations and inequalities. They will operate on matrices in real world applications, and use Probability and Statistics to describe data sets, model situations and support inferences. A portion of weekly lessons will be dedicated to reinforcing those mathematical cluster skills that have been identified on the High School Proficiency Assessment. This course is designed to prepare students to take the state End-of-Course Algebra 1 assessment.

HONORS ALGEBRA 1

Grades 9

5 Credits – Full Year

Prerequisite(s): Projected passing grade of “B” or higher in 8th Grade Math and a score of 200 or above on the NJASK.

Teacher recommendation.

This course extends and deepens the topics of the regular course.

GEOMETRY

Grades 9, 10, 11, 12

5 Credits – Full Year

Prerequisite(s): Successful completion of Algebra I

This course follows a structured scope and sequence, introducing, reinforcing and extending topics identified by the New Jersey Core Curriculum Standards and the National Council of Mathematics teachers. This course includes the use of labs, group explorations, calculators, and computer software to study real world problem solving techniques and presentation strategies. Students will model and solve geometric problems that involve the study of transformational geometry, congruence and similarity of closed, plane figures, parallel and perpendicular lines and related angles, circles, coordinate geometry, right triangle trigonometry, fractals, matrices and sequences. A portion of weekly lessons will be dedicated to reinforcing those mathematical cluster skills that have been identified on the High School Proficiency Assessment and the Preliminary Scholastic Aptitude Test.

HONORS GEOMETRY

Grades 9, 10

5 Credits – Full Year

Prerequisite(s): Successful completion of Algebra I with a “B” or higher. Teacher recommendation

This course extends and deepens the topics of the regular course.

ALGEBRA II

Grades 10, 11, 12

5 Credits – Full Year

Prerequisite(s): Successful completion of Algebra I

This course follows a structured scope and sequence, introducing, reinforcing and extending topics identified by the New Jersey Core Curriculum Standards and the National Council of Mathematics teachers. This course includes the use of labs, group explorations, calculators, and computer software to study real world problem solving techniques and presentation strategies. Students will model and solve algebraic problems that involve the study of linear and quadratic functions, the algebraic and geometric descriptions of inequalities, and real and complex number systems. A portion of weekly lessons will be dedicated to reinforcing those mathematical skills that are needed for the Preliminary Scholastic Aptitude Test.

HONORS ALGEBRA II

Grades 9, 10, 11

5 Credits – Full Year

Prerequisite(s): Successful completion of Algebra I with a “B” or higher. Teacher recommendation

This course extends and deepens the topics of the regular course.

ADVANCED TOPICS IN MATHEMATICS

Grades 11, 12

5 Credits – Full Year

Prerequisite(s): Successful completion of Geometry and Algebra II

This course follows a structured scope and sequence, introducing, reinforcing and extending topics identified by the New Jersey Core Curriculum Standards and National Council of Mathematics Teachers, while focusing on authentic real world applications. This course includes the use of group exploration, calculators, and computer technology to study real world problem solving techniques and presentation strategies. Students will model and solve problems that involve the study of Set Theory, Logic, Number Representation and Calculation, Number Theory and

Real Number System, Algebra Concepts, Consumer Mathematics and Financial Management, Measurement and Geometry, Counting Methods and Probability Theory, and Statistics and Mathematical Systems. A portion of weekly lessons will be dedicated to reinforcing those mathematical cluster skills that have been identified on the High School Proficiency Assessment and the Scholastic Aptitude Test.

PRE-CALCULUS

Grades 11, 12

5 Credits — Full Year

Prerequisite(s): Successful completion of Geometry and Algebra 2 with grades of “B” or higher. Teacher recommendation and/or Mathematics Supervisor’s approval

This course follows a structured scope and sequence, introducing, reinforcing and extending topics identified by the New Jersey Core Curriculum Standards and the National Council of Mathematics Teachers. This course includes the use of labs, group explorations, calculators, and computer software to study real world problem solving techniques and presentation strategies. Students will model and solve mathematical problems that involve the study of 3rd and 4th degree equations describing cubic and quadratic functions, exponential, logarithmic and trigonometric functions. A portion of weekly lessons will be dedicated to reinforcing those mathematical skills that are needed for the Scholastic Aptitude Test.

CALCULUS

Grades 11, 12

5 Credits — Full Year

Prerequisite(s): Successful completion of Pre-Calculus, with a grade of “C” or higher.

This course follows a structured scope and sequence, introducing, reinforcing and extending topics identified by the College Board as necessary college course curriculum. This course includes the use of labs, group explorations and calculators to study real world problem solving techniques and presentation strategies. Students will model and solve mathematical problems that involve the study of Differential and Integral Calculus. Such topics include limits, the difference quotient, continuity, derivatives, the product, quotient and chain rules, implicit differentiation, related rates, extreme on an interval, Rolle’s Theorem, the Mean Value Theorem, concavity, antiderivatives, Riemann Sums, and indefinite integrals.

ADVANCED PLACEMENT CALCULUS AB

Grades 11, 12

5 Credits — Full Year

Prerequisite(s): Successful completion of Pre-Calculus, with a grade of “B” or higher. Teacher recommendation and/or Mathematics Supervi-

sor's approval (*open enrollment under the advisement of the Mathematics supervisor and AP teacher*)

This is an accelerated, rigorous, full-year course that strictly follows the course guidelines of the College Board. The AP Calculus curriculum includes the use of labs, group explorations and calculators to study real world problem solving techniques and presentation strategies. Like the standard calculus course, students will model and solve mathematical problems that involve the study of Differential and Integral Calculus. This course covers, in even greater depth, the topics that are included in the standard calculus course. Additional topics to be studied include definite integrals, integration and differentiation of logarithmic and exponential functions, growth and decay with differential equations, and volumes of revolution. This course is designed to challenge and prepare high achieving math students for the Advanced Placement examination that is administered in May. Colleges may offer students advanced standing or credit for one semester, or more, of college calculus based on his/her performance on this test.

ADVANCED PLACEMENT CALCULUS BC

Grades 11, 12

5 Credits — Full Year

Prerequisite(s): Successful completion of AP Calculus AB. Teacher recommendation and/or Mathematics Supervisor's approval.

(open enrollment under the advisement of the Mathematics supervisor and AP teacher)

Calculus BC expands upon the curriculum of AP Calculus AB. This is an accelerated, rigorous, full-year course that strictly follows the course guidelines of the College Board. This course covers, in even greater depth, the topics that are included in the standard calculus course. Additional topics to be studied include definite integrals, integration and differentiation of logarithmic and exponential functions, growth and decay with differential equations, and volumes of revolution. This course is designed to challenge and prepare high achieving math students for the Advanced Placement examination that is administered in May.

HIGH SCHOOL PROFICIENCY ASSESSMENT REVIEW

Grade 11

2.5 Credits - 1 Semester

This course does not apply to the state's requirement of three years of mathematics. Students must take three years of high school mathematics in addition to this course. Students are identified for this course by their demonstrated weakness in mathematics skills (i.e. Poor grades in previous classes or in standardized tests and/or teacher recommendation) and

will be required to take this course in September of their junior year. This course will provide comprehensive review and practice of those skills that are included in the Mathematics Section of the High School Proficiency Assessment. The four skill cluster areas are: (1) Number Sense, Concepts and Applications, (2) Spatial Sense and Geometry, (3) Data Analysis, Probability, Statistics and Discrete Mathematics, and (4) Patterns, Functions and Algebra. Emphasis will be placed on problem solving and responding to open-ended questions with appropriate written responses.

ALTERNATIVE HIGH SCHOOL ASSESSMENT (AHSA/HSPA)

Grade 12

0.0 Credits

This course is required for students who have not passed the HSPA 11 test in the 11th Grade. The emphasis will be on preparing for and completing Performance Assessment Tasks in four main math cluster areas: (1) Number Sense, Concepts and Applications, (2) Spatial Sense and Geometry, (3) Data Analysis, Probability, Statistics and Discrete Mathematics, and (4) Patterns, Functions and Algebra. To earn credit for this course, students are required to obtain passing scores in each of the four math clusters.

SCIENCE

In order to meet State and District requirements, all students must complete 15 credits in science.

Requirements

- 15 credits in science for 2011 graduates
- 15 science credits to include 5 credit of biology/life science or content equivalent for 2012 and 2013 graduates
- 15 science credit to include 5 credit of biology/life science or content equivalent and 5 credit of a laboratory/inquire-based science course which shall be chemistry, environmental science, or physics for 2014 graduate
-

GEOPHYSICAL SCIENCE

Grade 9

5 Credits – Full Year

Prerequisite(s): None

This is an introductory course designed to prepare the students for future high school science courses. It emphasizes the processes of science as well as combines some physics and chemistry concepts with those of earth science in a study of structure, dynamics and geophysical systems of the earth, the solar system and the universe. (*LAB SCIENCE COURSE*)

BIOLOGY

Grade 10, 11, 12

5 Credits – Full Year

Prerequisite(s): Geophysical Science

This course is designed to give students an opportunity to study the principles of biological science. Areas of study include biochemistry, cellular basis of life and processes, genetics, evolution, general classification, microorganisms, plants, invertebrates, vertebrates and human body, and ecology. Skills such as observing, gathering and analyzing data, inferring, researching and reporting, problem solving, critical thinking skills and summarizing are developed and evaluated. Laboratory experiments and hands-on activities are an integral part of the course. (*LAB SCIENCE COURSE*)

HONORS BIOLOGY

Grades 9, 10, 11, 12

5 Credits – Full Year

Prerequisite(s): Grade of "B" or better in previous Science course.

This course is designed to give students an opportunity to study the principles of biological science. Areas of study include biochemistry, cellular basis of life and processes, genetics, evolution, general classification, microorganisms, plants, invertebrates, vertebrates and human body, and ecology. Skills such as observing, gathering and analyzing data, inferring, researching and reporting, problem solving, critical thinking skills and summarizing are developed and evaluated. Laboratory experiments and hands-on activities are an integral part of the course. (*LAB SCIENCE COURSE*)

ADVANCED PLACEMENT BIOLOGY

Grades 11, 12

5 Credits - Full Year

Prerequisite(s): Grade of "B" or better in Honors Chemistry and Honors Biology. (*open enrollment under the advisement of the science supervisor and the AP teacher*)

The AP Biology course is designed to be the equivalent of a college introductory Biology course usually taken by biology majors during their first year. All college bound students, who are planning to major in the life and health sciences, are strongly encouraged to take this highly challenging course. The topics of study focus on Chemistry of Life, Cells, Cellular Energetic, Heredity, Molecular Genetics, Evolutionary Biology, Diversity of Organisms, Structure and Function of Plants and Animals, and Ecology. The course work will culminate with the AP examination in the spring. Colleges may offer students advanced standing or credit for one semester, or more, of college biology based on their performance on this test. (*LAB SCIENCE COURSE*)

CHEMISTRY

Grades 11, 12

5 Credits – Full Year

Prerequisite(s): Geophysical Science and Biology

In this course, themes provide a framework for integrating chemistry core concepts. This course expands students' understanding of fundamental structure and properties of matter, introduces basics of chemistry, uses the periodic table as an information tool and explores chemical bonding, and the nature of matter in solution. Laboratory experiments and hands-on activities are an integral part of the course. (*LAB SCIENCE COURSE*)

HONORS CHEMISTRY

Grades 10, 11, 12

5 Credits – Full Year

Prerequisite(s): Grade of “B” or better in previous Honor Science course

This basic science course is designed to give students a broader perspective of Chemistry. It emphasizes problem solving, critical thinking skills, teamwork and shows students the value of chemical knowledge in everyday life. Topics of study include atoms and their structure, formation of compounds, types of compounds, periodic properties of elements, chemical reactions and equations, and acids and bases. Laboratory experience and hands-on activities are an integral part of the course. (*LAB SCIENCE COURSE*)

ADVANCED PLACEMENT CHEMISTRY

Grades 11, 12

5 Credits - Full Year

Prerequisite(s): Grade of “B” or better in Honors Chemistry and Algebra I.

Co-requisite: Algebra II (*open enrollment under advisement of the Science Supervisor and AP teacher*)

The AP Chemistry course is designed to be the equivalent of the general Chemistry course usually taken during the first college year. All college bound students, who are planning to major in science, are strongly encouraged to take this highly challenging course. The topics of study will include, but not be limited to Chemical Kinetics, Chemical Equilibrium, Chemical Thermodynamics and Electrochemistry. The course work will culminate with the AP examination in the spring. Colleges may offer students advanced standing or credit for one or more semesters of college chemistry based on their performance on this test. (*LAB SCIENCE COURSE*)

PHYSICS

Grades 11, 12

5 Credits – Full Year

Prerequisites(s): Geophysical Science, Biology and Chemistry

This course encourages students to apply their knowledge of physical principles and basic mathematical principles to hands-on experimental challenges. During this course, students will explore the basic concepts of mechanics, energy, electrical circuits, thermodynamics, light and sound. Students will expand scientific vocabulary and increase understanding of qualitative relationships. This course is recommended for all college bound students, who are NOT planning to major in science or engineering as well as any student who is interested in manufacturing or non-degree technical fields. The work will include, but not limited to laboratory, outdoor, and classroom activities, critical thinking, problem solving, gathering and analyzing data to predict and evaluate scientific outcomes.

(LAB SCIENCE COURSE)

HONORS PHYSICS

Grades 11, 12

5 Credits – Full Year

Prerequisites(s): Grades of “B” or better in Algebra I, Geometry, previous lab science and at least one teacher recommendation.

This course provides a comprehensive study of the basic concepts of physics for students who plan to study science, engineering, or medicine at the college level. Among the topics covered are mechanics, gravitation, momentum, light, electricity and magnetism. In addition to learning how physics is related to the students’ lives and world around them, the course offers a balance of conceptual development and quantitative applications. Laboratory experiments and hands-on activities are an integral part of the course. *(LAB SCIENCE COURSE)*

ADVANCED PLACEMENT PHYSICS B

Grades 11, 12

5 Credits - Full Year

Prerequisite(s): Grade of “B” or better in previous Honors Science course, and Algebra II or Pre Calculus. (open enrollment under the advisement of the Science supervisor and the AP teacher.)

The Physics B course provides a systematic introduction to the main principles of physics and emphasizes the development of problem-solving ability. This course is appropriate for the college- bound students who are interested in studying physics as a basis for more advanced work in life sciences, medicine, or as a component in a non-science college program that has science requirements. The topics of study focus on Newtonian Mechanics, Thermal Physics, Electricity and Magnetism and Atomic and Nuclear Physics. The course work will culminate with the AP examination in the spring. Colleges may offer students advanced standing or credit for one semester, or more, of college physics based on their performance on this test. *(LAB SCIENCE COURSE)*

SCIENCE ELECTIVES

ISSUES IN SCIENCE

Grades 10, 11, 12

2.5 Credits – 1 Semester

Prerequisite – Successful completion of Geophysical Science

Selected topics of high interest and high public concern from diverse areas of science compose this course. It is possible to study such topics as Kinds, Effects, and Control of Pollution; Conservation and Natural Resources; The Energy Crisis, History of Science; the Relationships between Science and Society; Public Health Communicable Diseases, and Drugs; Population Problems; Radiation; Genetics; Computer; Archaeology; and Man in Space. The course is flexible to permit each class to select topics according to the interest and needs of the class.

ANATOMY & PHYSIOLOGY

Grades 10, 11, 12

Credits 2.5 – 1 Semester

Prerequisite – Successful completion of Biology

Strand – General Elective or Math, Science and Engineering

As you make your way through this lab science course, you will be learning about one of the most fascinating subjects possible -- your own body. If you are to appreciate emerging discoveries in medicine, to understand new techniques for detecting and treating disease, and to make use of published facts on how to stay healthy, it is important to learn about the workings of your body and the basic concepts that form the foundation of Anatomy and Physiology. (*LAB SCIENCE COURSE*)

SOCIAL STUDIES

In order to meet State and District requirements, all students must complete 3.5 years of Social Studies while in high school. These courses must include the topics of Civics, United States History, Geography and .5 years of economics.

WORLD HISTORY

Grade 9

5 Credits – Full Year – Required for Graduation

Prerequisite(s): None

World History is a five-credit course required of all students for graduation. The course is designed as the first part in a three-course program whereby students will be exposed to and master the material and skills in the NJCCCS for Social Studies by Grade 12. World History is broken into four pieces, paced to coincide with the four marking periods of the academic year. The four sections are: The Age of Global Encounters

(1400 – 1750), The Age of Revolutionary Change (1750 – 1914); The Era of the Great Wars (1914 – 1945); The Modern World (1945 – 2007). This course is designed to move students directly into United States History I with a sound understanding of the political, economic, and social forces that have shaped and will continue to transform the world's civilizations.

HONORS WORLD HISTORY

Grade 9

5 Credits – Full Year – Meets the World History Requirement for Graduation

Prerequisite(s): Grade of A in 8th Grade Social Studies and teacher recommendation

This course extends and deepens the topics of the regular course.

UNITED STATES HISTORY I

Grades 10, 11, 12

5 Credits – Full Year - Required for Graduation

Prerequisite(s): Successful completion of World History

United States History I is a five-credit course required of all students for graduation. The course is designed as the middle part in a three-course program whereby students will be exposed to and master the material and skills in the NJCCCS for Social Studies by Grade 12. United States History I is broken into four pieces, paced to coincide with the four marking-periods of the academic year. The four sections are: Becoming A Nation; A Growing Nation; A House Divided; Reconstruction, Expansion and Industrialization. This course is designed to move students directly into United States History II and successfully complete their study of this country and its place in the global community.

HONORS UNITED STATES HISTORY I

Grade 10

5 Credits – Full Year – Meets the US HISTORY I Requirement for Graduation

Prerequisite(s): Grade of A in World History or Grade of at least a B in Honors World History

This course extends and deepens the topics of the regular course.

UNITED STATES HISTORY II

Grades 11, 12

5 Credits – Full Year - Required for Graduation

Prerequisite(s): Successful completion of United States History I.

United States History II is a five-credit course required of all students for graduation. The course is designed as the final part in a three-course program whereby students will be exposed to and master the material and skills in the NJCCCS for Social Studies by Grade 12. United States History II is broken into four pieces, paced to coincide with the four marking periods of the academic year. The four sections are: The Great War; World War II; The Cold War; A Global Community. This course is designed to transition students into the world beyond New Brunswick High School.

ADVANCED PLACEMENT UNITED STATES HISTORY

Grades 11, 12

5 Credits – Full Year – Fulfills US History II Graduation Requirement

Prerequisite(s): Successful completion of Honors US History I with at least a B average *and* teacher recommendation; Successful completion of US History I or US History II with an A average *and* teacher recommendation (open enrollment under advisement of the Social Studies supervisor and the AP teacher).

AP US History is a challenging course designed to be the equivalent of a freshmen college course in a high school setting. It is a survey of American History from the Age of Exploration to the present. It may be taken by any Junior or Senior in addition to, or in place of, U.S. History II. Students will be required to apply the effort necessary to act as an historian and develop the ability to analyze historical evidence to determine its validity and relevance and identify point of view and bias. Students can expect to do a great deal of reading not only in the text, but from outside sources and research both in libraries and through the Internet. Summer readings may be assigned at the teacher's discretion. AP US History is organized on the assumption that students will sit for the AP examination in May, which will allow qualifying candidates to possibly receive college credit for the course if they score a 4 or 5 on the AP US History Exam.

SOCIAL STUDIES ELECTIVES

AFRICAN AMERICAN STUDIES

Grades 10, 11, 12

2.5 Credits - 1 Semester

Prerequisite(s): None

African American Studies offers students an opportunity to analyze the geography, history and the diverse cultures of Africa. Students will gain an appreciation of the impact which Africans and Africa have had on other regions of the world, particularly the United States. Highlights of the course will include the study of

ancient Africa, traditional African cultures, colonialism and nationalism in Africa, migration of Africans and their culture to the United States, and African Americans and contemporary life in the United States.

INTRODUCTION TO PSYCHOLOGY

Grades 10, 11, 12

2.5 Credits – Semester

Prerequisite(s): None

Psychology creates an environment for students to explore the science of behavior. Students delve into the workings of the human brain as well as examine the effects that living in a society has on the development of an individual. Students are challenged to internalize the tenets of this social science and apply their new knowledge of accepted thought and process in continual self-examination. Students are given the opportunity to practice techniques that can improve their dealings with stress, as well as their ability to learn, to memorize, and to handle situations successfully. As an elective in the social sciences, Psychology takes students through five units in order to effectively master the foundations of the field. The units are: The Methods of Madness; The Biopsychological Domain, The Developmental Domain; The Cognitive Domain; and Variations in Behavior.

WOMEN'S STUDIES

Grades 10, 11, 12

2.5 Credits – 1 Semester

Prerequisite(s): None

This course will examine how modern gender roles have been shaped and changed by the events and trends of the 20th Century. Gender roles in the family and workplace are affected by social, economic and political changes. Students will explore how key events of the 20th century also influenced women in different regions around the world. One of the goals of this course is to break down preconceived notions and to inform and change attitudes about women in American society as well as women around the world.

ART, MUSIC, and MEDIA: A Social History of the United States

Grades 10, 11, 12

2.5 Credits – 1 Semester

Prerequisite(s): None

This course will provide you with an understanding of major trends in art, literature, movies, music, radio, television, theater, and fads during the last 100+ years. You will gain an understanding of these cultural trends set against the backdrop of World War I, the Roaring 20's, the Great Depression, World War II, the Cold War, the Era of Camelot and the Great Society, the Vietnam Era, and the Post Cold War era.

DIMENSIONS OF PREJUDICE

Grades 10, 11, 12

2.5 Credits – 1 Semester

Prerequisite(s): None

The purpose of this course is to guide students through a variety of learning experiences in order to develop a suitable definition of genocide; to develop a foundation of knowledge about the ultimate incidences of man's inhumanity to man, to develop an understanding of why such tragedies occur; and to develop strategies for preventing genocides from happening again. In so doing, students will come to understand what is being done about preventing further genocides from occurring and what each individual can do to help.

JUNIOR ROTC LEADERSHIP, EDUCATION AND TRAINING I (LET 1)

Grades 9, 10, 11, 12

5 Credits – Full Year

Prerequisite(s): Must meet Cadet Command criteria for enrollment, as outlined in Army Regulation 145-2.

The Junior Reserve Officers' Training Corps. (JROTC) offers students a unique opportunity for personal growth and development. In addition to learning about citizenship, students learn to think on their feet, to motivate themselves and others, to make decisions, to work as team members and to lead. The objective of the program is to develop in each student good citizenship, self-discipline, leadership, self-reliance, responsiveness to constituted authority, an ability to communicate effectively both orally and in writing and a sense of pride and self-accomplishment.

JUNIOR ROTC LEADERSHIP, EDUCATION AND TRAINING (LET 2)

Grades 10, 11, 12

5 Credits – Full Year

Prerequisite(s): Must meet Cadet Command criteria for enrollment, as outlined in Army Regulation 145-2 and have successfully completed LET I

The Junior Reserve Officers' Training Corps. (JROTC) offers students a unique opportunity for personal growth and development. LET 2 is an expansion on the FUNDAMENTALS taught students in LET 1 about citizenship, American military history, techniques of communication, leadership and basic life skills. Students must learn to think on their feet, to motivate themselves and others, to make decisions, to work as team members and to lead.

The overall objective of the program is to develop in each student good citizenship, self-discipline, leadership, self-reliance, responsiveness to constituted authority, an ability to communicate effectively both orally and in writing and a sense of pride and self-accomplishment. Expanded leadership roles and opportunities are presented.

JUNIOR ROTC LEADERSHIP, EDUCATION AND TRAINING (LET 3)

Grades 11, 12

5 Credits – Full Year

Prerequisite(s): Must meet Cadet Command criteria for enrollment, as outlined in Army Regulation 145-2 and have successfully completed LET 1 and 2.

The Junior Reserve Officers' Training Corps. (JROTC) offers students a unique opportunity for personal growth and development. LET 3 is a further expansion of the FUNDAMENTALS taught students in LET 1 and 2 about citizenship, American military history, techniques of communication, leadership and basic life skills. Students must learn to think on their feet, to act as role models and leaders, to motivate themselves and others, to make decisions and accept the responsibility for these decisions, to work with others as team members and to lead.

The overall objective of the program remains the same that is, to develop in each student good citizenship, self-discipline, leadership, self-reliance, responsiveness to constituted authority, an ability to communicate effectively both orally and in writing and a sense of pride and self-accomplishment. Greater student participation in school, as well as community activities, is expected.

JUNIOR ROTC LEADERSHIP, EDUCATION AND TRAINING (LET 4)

Grades 11, 12

5 Credits – Full Year

Prerequisite(s): Must meet Cadet Command criteria for enrollment, as outlined in Army Regulation 145-2 and have successfully completed LET I, LET2, and LET 3.

The Junior Reserve Officers' Training Corps. (JROTC) offers students a unique opportunity for personal growth and development. LET 4 is the culmination of that training and will stress the practical application of the student's leadership duties and responsibilities within the JROTC cadet organization. The student will be expected to perform independent study and research, present oral and written presentations and complete special assignments on topics such as citizenship, American military history, leadership and basic life skills. Student participation in school, as well as community activities, is required.

JUNIOR ROTC LEADERSHIP, EDUCATION AND TRAINING (LET 5)

Grades 11, 12

5 Credits – Full Year

Prerequisite(s): Must meet Cadet Command criteria for enrollment, as outlined in Army Regulation 145-2 and have successfully completed LET I, LET2, LET 3, and LET 4.

The Junior Reserve Officers' Training Corps. (JROTC) offers students a unique opportunity for personal growth and development. LET 4 is the culmination of that training and will stress the practical application of the student's leadership

duties and responsibilities within the JROTC cadet organization. The student will be expected to perform independent study and research, present oral and written presentations and complete special assignments on topics such as citizenship, American military history, leadership and basic life skills. Student participation in school, as well as community activities, is required.

WORLD LANGUAGES

SPANISH I

Grades: 9, 10, 11, 12

5 Credits – Full Year

Prerequisite(s): Spanish Level Placement Test

Spanish I is the introductory course for students who want to learn the basic communication skills of viewing, listening, speaking, reading, writing, and vocabulary development in Spanish. The fundamental principles of oral expression are central to the course. Progressively greater emphasis is placed on reading, and writing skills. Aspects of Hispanic life, culture, and geography, career awareness and technology are introduced through selected activities, readings and class discussions.

SPANISH II

Grades: 9, 10, 11, 12

5 Credits – Full Year

Prerequisite(s): Successful completion of Spanish I

Spanish II is an intermediate course designed to expand the fundamental principles acquired in Spanish I. The course provides students with an active command of the basic spoken and written language. Listening comprehension, oral ability and independent use of structural principles are emphasized. Reading, classroom discussions, and activities based on aspects of Hispanic life, culture, history, geography, career awareness, and technology are integral parts of the program.

SPANISH III

Grades: 10, 11, 12

5 Credits – Full Year

Prerequisite(s): Successful completion of Spanish II

Spanish III is an advanced course for students who wish to achieve greater fluency in the language. Emphasis is placed on the individual's ability to understand and use idiomatic SPANISH orally and in writing. Grammar is analyzed and studied through readings in Hispanic History, culture and literature. Career opportunities will be explored. Technology is included for instruction and assessment.

SPANISH IV

Grades: 11, 12

5 Credits – Full Year

Prerequisite(s): Successful completion of Spanish III

Spanish IV is the most advanced course for students who wish to achieve greater fluency in the language. Emphasis is placed on the student's ability to understand and use idiomatic SPANISH orally and in writing. Syntax and style are analyzed and studied through readings in Hispanic History, culture and literature. Career opportunities will be highlighted. Technology is included for instruction and assessment.

ADVANCED PLACEMENT SPANISH

Grades 11, 12

5 Credits – Full Year

Prerequisite(s): Grade of "B" or better in Spanish III

The AP Spanish course is designed to be the equivalent of a college introductory Spanish course usually taken by Spanish majors during their first year. All college bound students, who are planning to major in the World Language Spanish, are strongly encouraged to take this highly challenging course. The topics of study focus on Spanish language grammar, Spanish literature and important cultural elements of Spanish speaking countries. The course work will culminate with the AP examination in the spring. Colleges may offer students advanced standing or credit for one semester, or more, of college Spanish based on the performance of this test.

FRENCH I

Grades: 9, 10, 11, 12

5 Credits – Full Year

Prerequisite(s): None

French is the introductory course designed to learn the basic communication skills of viewing, listening, speaking, reading and writing and vocabulary development in French. The fundamental principles of oral expression are central to the course. Progressively greater emphasis is placed on reading and writing skills. Aspects of French life, culture, and geography, career awareness and technology are introduced through selected activities, readings and class discussions.

FRENCH II

Grades: 9, 10, 11, 12

5 Credits – Full Year

Prerequisite(s): Successful completion of French I

French II is an intermediate course designed to expand the fundamental

principles acquired in French I. The course provides students with an active command of the basic spoken and written language. Listening comprehension, oral ability and independent use of grammatical structural principles are emphasized. Reading, classroom discussions and activities based on aspects of French life, culture, and geography, career awareness and technology are integral parts of the program.

FRENCH III

Grades: 10, 11, 12

5 Credits – Full Year

Prerequisite(s): Successful completion of French II

French III is an advanced course that provides students with an introduction to French literature. There is an emphasis on the appreciation of tone, style and literary merit. Structural principles are reviewed and reinforced through classroom discussions, oral presentations and written papers to improve in self expression. Culture and career awareness are emphasized through selected activities. Technology is included for instruction and assessment.

FRENCH IV

Grades: 10, 11, 12

5 Credits – Full Year

Prerequisite(s): Successful completion of French III

French IV is the most advanced course for students who wish to achieve greater fluency in the language. Emphasis is placed on the student's ability to understand and use idiomatic French orally and in writing. Readings are selected from various periods and genres to increase student's awareness of literary trends, styles and culture. Career opportunities will be highlighted. Technology is included for instruction and assessment.

JAPANESE LANGUAGE & CULTURE I

Grades: 9, 10, 11, 12

5 Credits – Full Year

Prerequisite(s): None

Japanese Language and Culture I is the introductory course for students who want to learn the basic communication skills of listening, speaking, reading, writing and vocabulary development in Japanese. Progressively greater emphasis is placed on reading and writing skills. Aspects of Japanese life, culture, and geography, career awareness and technology are introduced through selected activities, readings and class discussions.

JAPANESE LANGUAGE & CULTURE II

Grades: 9, 10, 11, 12

5 Credits – Full Year

Prerequisite(s): Successful completion of Japanese I

Japanese Language and Culture is designed to expand the communication skills, of listening, speaking, reading and writing of Kanji characters. Aspects of Japanese life, society and culture, and career development will continue to be discussed through activities based on reading and/or visual material. Students will learn Katakana letters and 50 basic Kanji characters as well as basic verb and adjective forms. Independent use of structural principles in various communication activities is central to the course. Technology is an integral part of the program.

JAPANESE LANGUAGE & CULTURE III

Grades: 10, 11, 12

5 Credits – Full Year

Prerequisite(s): Successful completion of Japanese II

Japanese Language and Culture III is an advanced course for students who wish to continue developing oral and written communication skills. In addition to building knowledge of vocabulary and Kanji characters, the course will focus on more complicated structural forms and patterns. Reading and writing practice in Japanese will also be discussed through activities based on reading and/or visual materials. Career opportunities will be explored. Technology is included for instruction and assessment.

JAPANESE LANGUAGE & CULTURE IV

Grades: 11, 12

5 Credits – Full Year

Prerequisite(s): Successful completion of Japanese III

Japanese Language and Culture IV is the most advanced course designed to refine oral and written communication skills. The distinction between (1) formal and informal speech styles, (2) oral and written forms, and (3) male and female speech will be emphasized. Additional Kanji and vocabulary as well as complex sentence patterns will be learned. Upon completion of this course, students will be able to carry on conversations in various contexts using appropriate speech levels, style, and vocabulary. They will also be able to read various texts using the dictionary and to write in functional settings such as providing descriptions, expressing opinions and feelings, making requests, and negotiating. Topics regarding people and culture and their relationship to American culture will be explored according to the students' interest. Career opportunities will be highlighted. Technology is included for instruction and assessment.

COMPREHENSIVE HEALTH AND PHYSICAL EDUCATION

PHYSICAL EDUCATION 9

Grade 9

2.5 Credits - 1 Semester - Required for Graduation

Prerequisite(s): None

The Physical Education course for the ninth grade students consists of a variety of team and individual activities. Some activities offered during the course include aerobics, badminton, bowling, dance, flag football, pickle ball, soccer, softball, table tennis, tennis, track and field, and weight training. Daily exercise warm-up is a requirement for each class lesson. All students must be appropriately dressed and all are expected to participate unless a physician has issued an excuse to the school nurse.

HEALTH EDUCATION 9

BILINGUAL HEALTH EDUCATION 9

2.5 Credits - 1 Semester - Required for Graduation

Prerequisite(s): None

The Health course for the ninth grade students bridges the gap between elementary school and high school in terms of adolescent needs. Main topic areas that are covered include human sexuality, substance use and abuse, the family, and sexually transmitted diseases.

PHYSICAL EDUCATION 10

Grade 10

2.5 Credits - 1 Semester — Required for Graduation

Prerequisite(s): None

The Physical Education course for the tenth grade student consists of a variety of team and individual activities. Some activities offered during the course include aerobics, badminton, basketball, bowling, dance, floor hockey, pickle ball, soccer, table tennis, team handball, and weight training. Daily exercise warm-up is a requirement for each class lesson. All students must be appropriately dressed and all are expected to participate unless a physician has issued an excuse to the school nurse.

HEALTH EDUCATION 10

BILINGUAL HEALTH EDUCATION 10

2.5 Credits - 1 Semester — Required for Graduation

Prerequisite(s): None

The health course for the tenth grade student deals with driver education. Students are exposed to driving techniques and strategies that will prepare them to become responsible and safe drivers. The specific laws of the State of New Jersey are also discussed and the student is given an opportunity to take the State written test in school.

PHYSICAL EDUCATION 11

Grade 11

2.5 Credits 1 Semester — Required for Graduation

Prerequisite(s): None

The Physical Education course for the eleventh grade student consists of a variety of team and individual activities. Some activities offered during the course include, aerobics, badminton, bowling, dance, flag football, pickle ball, soccer, softball, table tennis, tennis, track and field, and weight training. Daily exercise warm-up is a requirement for each class lesson. All students must be appropriately dressed and all are expected to participate unless a physician has issued an excuse to the school nurse.

HEALTH EDUCATION 11

BILINGUAL HEALTH EDUCATION 11

2.5 Credits - 1 Semester — Required for Graduation

Prerequisite(s): None

The Health course for the eleventh grade student covers the areas of consumer health, substance use and abuse, disease and common health problems, and safety/first aid including CPR exposure. The purpose of the course is to develop desirable health habits and attitudes.

PHYSICAL EDUCATION 12

Grade 12

2.5 Credits – 1 Semester — Required for Graduation

Prerequisite(s): None

The physical education course for the twelfth grade student consists of a variety of team and individual activities. Some activities offered during the course include aerobics, badminton, basketball, bowling, dance, floor hockey, pickle ball, soccer, table tennis, team handball, and weight training. Daily exercise warm-up is a requirement for each class lesson. All students must be appropriately dressed and all are expected to participate unless a physician has issued an excuse to the school nurse.

HEALTH EDUCATION 12

BILINGUAL HEALTH EDUCATION 12

2.5 Credits – 1 Semester — Required for Graduation

Prerequisite(s): None

The Health course for the twelfth grade student gives the graduating senior an opportunity to review prior health knowledge and use it along with new information to make intelligent decisions about health in the future. Some topic areas are substance use and abuse, sexuality, parenting, nutrition, disease, mental health and preventive medicine.

GRADE 12A HEALTH EDUCATION Grade 12

2.5 Credits — 1 Semester — Required for Graduation

Prerequisite(s): None

The Health course for the grade 12A student consists of the practical application of the research process in the content areas of health. The student will use the school library on a daily basis to prepare a paper, based on his/her choice of an appropriate topic from an approved list. Each student will give an oral presentation each quarter citing the findings of his/her report.

GRADE 12A PHYSICAL EDUCATION - Fifth Year Senior

2.5 Credits - 1 Semester — Required for Graduation

Prerequisite(s): None

The Physical Education course for the 12A student consists of a variety of team and individual activities. Some activities offered during the course include aerobics, badminton, basketball, bowling, dance, floor hockey, pickle ball, soccer, table tennis, team handball, and weight training. Daily exercise warm-up is a requirement for each class lesson. All students must be appropriately dressed and all are expected to participate unless a physician has issued an excuse to the school nurse.

LAW , PUBLIC SAFETY AND SECURITY

INTRODUCTION TO LAW

Grades 11 and 12

5 Credits – Full Year

Prerequisite(s): None

This course is designed to provide students with understanding of the intricacies of the legal system. The course will expose students to the fundamental values and principles of American democracy as expressed in the U.S. Constitution and Bill of Rights. Furthermore, this course will provide students with a deeper understanding of constitutional rights, court systems, criminal law, civil law and civic life, politics and government. Students will be required to conduct legal research and provide written documentation and analysis of specific cases.

CRIMINAL JUSTICE I

Grades 10, 11, 12

2.5 Credits – Semester

Prerequisite(s): None

This course is designed to provide students with an understanding of how society through police, courts and corrections, attempts to deal with the problem of crime. The course examines Criminal Justice through units entitled: the Constitution and the Formation of American Law Enforcement; Social Control Within the Democratic Process; Criminal Justice Process; Development of American Policing; Historical Development of Institutional Corrections. Some of the essential questions that will guide students' in the course are: Do laws restrict us or free us? How does the criminal justice process protect us? Why haven't we always punished people the same way?

POWER, POLITICS and YOU

Grades 11 and 12

5 Credits – Full Year

Prerequisite(s): None

This course actively connects government to the everyday lives of high schools students. Through hands-on activities, students learn about government at the local, state, and federal levels. Students will learn how they can make a difference in a democracy as well as understand the role of political parties, interest groups, and media on political decisions and political life.

RECREATION, HOSPITALITY, AND CONSUMER SERVICE

BASIC CLOTHING CONSTRUCTION

Grades 9, 10, 11, 12

2.5 Credits - 1 Semester

Prerequisite(s): None

This semester course is an elective offered to all interested male and female college bound students. This course is designed to introduce students to the basics in the care, maintenance, repair and sewing of clothes; selection of fabrics and the construction of home decorating items and crafts. It provides students with the knowledge to develop leisure time activities and consumer skills.

CLOTHING II

Grades 10, 11, and 12

2.5 Credits - 1 Semester

Prerequisite(s): Basic Clothing Construction

Clothing II is a semester course designed to further develop creative leisure time activities and basic construction skills. Project work is individualized. Students will have an opportunity to explore their creative talents and interests in fashion. A minimum of seven (7) projects must be completed with an emphasis placed on personal wardrobe planning.

ADVANCED CLOTHING COMBO

Grades 11 and 12

2.5 Credits - 1 Semester

Prerequisite(s): Clothing II

Advanced Clothing Combo is a semester course designed to actively engage students to improve their basic skills in clothing construction with emphasis placed on fashion design, tailoring, pattern designs, and group projects. Advanced computerized sewing machines and special fabrics will be used to further enhance skills. Students will complete a minimum of seven (7) individualized projects. This course is designed for students who have a special desire to work in the fields of clothing merchandising, display and design.

COSTUME DESIGN

Grades 11 and 12

2.5 Credits - 1 Semester

Prerequisite(s): Clothing II

In this course, the students will learn basic costume construction tech-

niques, fundamental costume design techniques, and apply these techniques in building and designing costumes for theatrical productions.

CULINARY ARTS I

Grades 10, 11, 12

5 Credits

Prerequisite(s): None

This course introduces students to careers in the restaurant and foodservice industry. It offers hands on learning through frequent food/cooking labs and actual serving events. Units include customer relations, food safety, accident prevention, kitchen basics, nutrition, soups, salads and sandwiches and business math. This course is the prerequisite for Culinary Arts II.

CULINARY ARTS II

Grades 10, 11, 12

5 Credits

Prerequisite(s): Culinary Arts I

This course is designed for students who are interested in pursuing careers in food service and hospitality. The course provides students with the knowledge and skills for working in the food service and hospitality industries. Major topics included in this course are food service business practices; loss prevention; inventory procedures; human relations; marketing; records, correspondence and forms; financial stability; work schedules; supervision; salesmanship; menu pricing; liability; equipment; recipe yield; performance of food item; food preparation; condiments; food portioning; plating food; table service; special occasions; convenience foods; food presentation; banquet and catering services; food packing and transporting; hospitality business practices; lodging; technology; and careers.

SPORTS MARKETING

Grades 9, 10, 11, 12

2.5 Credits – 1 Semester

Prerequisite - None

This course design is for students interested in learning about selling skills and the marketing principles that drive our economic system. Students will be introduced to concepts, analyses, and activities that comprise marketing management through the practice of assessing and solving marketing problems. The curriculum is delivered through the framework of Sports. Team work and communication are an integral part of the class.

PERSONAL AND NUTRITIONAL FITNESS

Grades 11 and 12

2.5 Credits – SEMESTER

Prerequisite - None

This course will focus on Core Body Training and Fitness including frequency and intensity of exercise, body weight management body fat measurement, body joints and muscles and injury prevention. Students will also learn about good and bad eating habits, healthy snacks, and the use of vitamins and nutrient supplements, food package ingredients and simple meal preparation. Opportunities to apply what is being taught will be provided as part of the course. This course will be excellent preparation for a variety of other courses to be offered in recreation.

WORLD TRAVEL AND TOURISM

Grades 11 and 12

5 Credits – FULL YEAR

Prerequisite - None

This course is designed for students who are interested in the learning about world culture through exploring the travel industry. Students will utilize the Internet, participate in on-site visits to travel agencies, and learn about businesses travel. This course will provide students with an understanding of world travel on both a business and personal level.

EARLY CHILDHOOD EDUCATION

Grades 10,11,12

Credits – Semester

Prerequisite(s): None

Human Growth and Development is open to all high school students. This course is designed to introduce students to the skills and roles of parenting which include pre-natal care, the birth process, and the growth and development of children. Concepts covered will also include the study of the physical and mental growth of children from conception and newborn health and care. Through discussion, research, and practical hands-on experience using computerized baby simulators, students will develop strategies to promote the physical, emotional, social, and intellectual growth of young children as well as exploring careers related to childcare.

EARLY CHILDHOOD EDUCATION II

Grades 10,11,12

2.5 Credits – Semester

Prerequisite(s): Early Childhood Education I

This course is a continuation of the first course in Early Childhood and builds upon the student understandings and learning from course I.

FINE, VISUAL AND PERFORMING ARTS

In order to meet State and District requirements, all students must complete 5 credits in Visual and/or Performing Art.

VISUAL DESIGN I

Grades 9, 10, 11, 12

2.5 Credits - 1 Semester

Prerequisite(s): None

Visual Design I is an integral part of the school's visual and performing arts department. Students may explore a variety of learning opportunities in two-dimensional and three-dimensional designs. Students will learn how to think creatively through personal development of artistic expression. Students will apply what they learned in the visual arts across subject areas to develop competencies and creative skills in problem solving, communication, and management of time that contribute to life-long learning and career skills.

GRAPHIC DESIGN

Grades 11, 12

2.5 Credits - 1 Semester

Prerequisite(s): 5 credits of Art with at least a B average (open enrollment under advisement of the Themed Institute Leader and appropriate teacher.)

This course explores the latest methods of technology by using a digital camera, scanner, and computer for creating artwork. Students will learn how to use professional software packages such as: Adobe Photoshop, Fractal Design Painter, and Print Shop Premiere.

PAINTING STUDIO

Grades 11, 12

5 Credits - Full year

Prerequisite – 5 credits of Art with at least a C average (open enrollment under the advisement of the Themed Institute Leader and appropriate teacher.)

This course is designed for the accelerated art student interested in the continued development of personal style and creative skills. Each student will solve perspective, design, and composition problems by drawing and painting different types of pictures while experiencing different painting styles. Students will be required to have group and individual critiques about art work and turn in weekly drawing assignments.

3D DESIGN

Grades 9, 10, 11, 12

2.5 Credits - 1 Semester

Prerequisite - None

3-D Design will strengthen student awareness of contour, form, and enrichment of tactile perception. A variety of media will be explored to enhance creative thinking and self reliance through the infusion of past and present art content and skills. The study of sculpture will strengthen the student's connection between art and science, math, and history.

INTRODUCTION TO PHOTOGRAPHY

Grades 11 and 12

2.5 Credits – 1 Semester

Prerequisite - None

This course is designed for students to learn the aesthetics and practical knowledge of digital photography and photo editing. Student will experiment with light techniques, backdrops, and different genres of subject matter. They will learn how to create a digital workflow and file conversion through image enhancement, manipulation, and other creative techniques using updated software. A digital portfolio will be required by each student as they complete this course.

ANIMATION STUDIO

Grades 11 and 12

2.5 Credits – 1 Semester

Prerequisite - None

In this course students will be exposed to a variety of forms of animation. Through hands on projects, students will experience the production of different forms and techniques of animation.

DANCE

INTRODUCTION TO DANCE

Grades 9,10 and11

2.5 Credits – 1 Semester

Prerequisite - None

This course is for the beginning or less experience student that is interested in dance. The course will introduce students to the art of dance through exposure to different styles and through the repetition and practice of dance fundamental. Students will explore both jazz and modern techniques. Students will demonstrate and be assessed on their proficiency in fundamentals through in class performance showcases, unit exams and a final written project.

INTERMEDIATE DANCE

Grades 11 and 12

2.5 Credits – 1 Semester

Prerequisite – *Introduction to Dance*

This course will further enhance the student's interpretation of dance as an art. Students will explore the principals of ballet technique , improvisation and expand upon their knowledge of jazz and modern techniques.

DANCE HISTORY

Grades 11 and 12

2.5 Credits – 1 Semester

Prerequisite –Introduction to Dance

This course will enhance the student's interpretation of dance as an art. Students will explore the principals of ballet technique, improvisation and expand upon their knowledge of jazz. Through this course students will understand the traditions, major eras and movements in dance, and the theory or creative impulse behind them. The course will follow the most contemporary movement styles to their original roots. The course will include reading, watching videos, research and hands-on activities. This course will begin career exploration of performance. Students will become proficient in performing these movement styles through repetition, kinesthetic analysis and a research based project. Students will demonstrate and be assessed on their proficiency in each of the movement techniques through class performance showcase, unit exams and final written project.

DANCE PRODUCTION

Grades 11 and 12

2.5 Credits – 1 Semester

Prerequisite – Introduction to Dance

Students will focus on creating a dance performance. This course teaches the basic skills in creating and producing a dance concert. Includes lighting, costumes, sound and choreography using a variety of genres.

MUSIC

CONCERT BAND

Grades 9, 10, 11, 12

5 Credits – Full Year

Prerequisite - None

Band is a full year course where students study and perform standard, popular and contemporary band literature. The band plays for school functions such as assemblies, athletic programs, and special programs. It also appears at selected civic functions and trips to area or regional festivals. Evening concert and community service performances are a natural outgrowth of this program. Participation is mandatory. Students participating in band are eligible to audition for the orchestra, wind ensemble, jazz ensemble, small ensemble, region and all-state activities. Included in all choir and instrumental courses are voice and instrument lessons and coaching sessions: individual if possible, though more likely in small group.

INSTRUMENTAL MUSIC

Grades 9, 10, 11, 12

2.5 /5.0 Credits

Prerequisite - None

This course is for the student who wants to learn a musical instrument. Emphasis will be on note reading, rhythm, technique and tone production. Small ensemble playing will be done according to students' ability levels.

STRING ENSEMBLE CLASS

Grades 9, 10, 11, 12

2.5 /5.0 Credits

Prerequisite - None

Students who are continuing or wish to learn a stringed instrument.

ELITE CHORALE

Grades 9, 10, 11, 12

Prerequisite(s): Audition

5 Credits – Full Year

Students will learn to perform as singers in the New Brunswick High School Chorus Group. This Class will concentrate on singing technique (breath support, tone, enunciation, and intonation), as a group. Students will prepare songs for public performance in school and community events.

CONCERT CHORUS

Grade Level: 9-12

Prerequisite - None

5 Credits – Full Year

Students will experience a variety of singing styles and music from many places and times. This course covers singing fundamentals and performance techniques. This choir may perform at concerts throughout the year. Sight-singing, part singing, solo-singing and vocal pedagogy and performance are included in this course. Concert Chorus is a full-year course.

MUSIC THEORY

Grades 11 and 12

5 Credits – Full Year

Prerequisite - None

In Music Theory students will explore how to read and write music. Students will have the opportunity to create their own compositions as well

as experiment with performance styles and different musical structures. No pre-requisite required. Students will have the opportunity to learn keyboard technique through use of the digital music lab. Student will be able to compose music by applying music theory through the use of the digital lab and *Garage Band* software.

MUSIC APPRECIATION

Grades 11 and 12

2.5 Credits – Semester

Prerequisite - None

This course will cover: 1) fundamentals of music: forms, styles, elements, and instruments, with emphasis on intelligent listening and enjoyment of music; 2) basic music theory: notation, eartraining, and work in the digital music lab; and 3) an overview of music history of many cultures around the world ranging from Gamelan of the Far East to classical Bach, Beethoven, and Mozart, to the Jazz, Rock, and Hi-Hop styles heard today. Students will be exposed to a great deal of music.

THEATER

THE THEATRE EXPERIENCE

Grades 9, 10, 11, 12

2.5 Credits - 1 Semester

Prerequisite(s): None

This course is designed to give the student a broad understanding of the theatre and to develop an appreciation for the role that theatre has played throughout history and in contemporary society. Students will be introduced to the fundamentals of improvisation, movement, pantomime, public speaking and speech for the stage. They will practice acting, dramatic writing and criticism. They will learn about careers in the theatre and understand the role of the actor, director, designer, playwright and producer.

THEATRE PRODUCTION

Grades 10, 11, 12

2.5 Credits - 1 Semester

Prerequisite(s): Successful completion of “The Theatre Experience.

This course is designed to teach the process of a play’s development, from conceptualization to the page to the stage. Students will write their own plays and develop skills in script analysis, character development and criticism; master stage vocabulary; understand the workings of a theatre; work on a production team to design and build sets and work with lighting and sound equipment; and learn the process of casting, rehearsal and performance.

ACTING STUDIO

Grades 10, 11, 12

2.5 Credits - 1 Semester

Prerequisite(s): Successful completion of “The Theatre Experience,” interview with drama teacher, recommendation of drama teacher and Department Chairperson, and prior production experience.

The course is designed for students to be exposed to rigorous training in the major methods of acting. Students will apply these methods to the creation of characters for public performance. In addition, students will study famous characters and actors who made significant contributions to world theatre history. They will receive practical training and preparation for a future career in acting and/or related endeavors. The course will culminate in a final public performance.

TELEVISION PRODUCTION I

Grades 11 and 12

5 Credits – Full Year

Prerequisite - None

Television Production is a course that allows students to experience various aspects of TV Production and Broadcasting including the actual operation and use of the video equipment. Students will work in production teams experiencing pre-production, actual production and post-production activities. Students will also have opportunities to develop ideas for broadcasting and scripting, story boarding, use of appropriate dialog, sounds effects, music, directing and editing. Students will also learn interviewing techniques and will prepare news cast and other informational videos. This course will provide excellent background and preparation for advanced education.

INTERNATIONAL BUSINESS AND FINANCE

WEB DESIGN

Grades 9, 10, 11, 12

2.5 Credits – 1 Semester

Prerequisite – Computer Applications

Web Design will introduce students to the technology needed to edit and create websites. Students will create various “hands-on” projects in a variety of genres and will learn to take ideas and see them through to the finished product. Students will learn to work cooperatively in a group setting as well as work individually. Emphasis will be place on goal setting and attainment.

COMPUTER APPLICATIONS I

Grades 9, 10, 11, 12

2.5 Credits – 1 Semester

Prerequisite(s): None

Computer Applications I is designed to provide students with instruction which will prepare them to function in today's computerized society. The students will receive experience working on the personal computer creating spreadsheets in Excel, databases in Access and presentations in PowerPoint. Advanced word processing features will also be taught in the course.

COMPUTER APPLICATIONS II

Grades 9, 10, 11, 12

2.5 Credits – 1 Semester

Prerequisite(s): None

Computer Applications II teaches fundamentals of spreadsheets and databases. The course will focus on learning how to input data, use mathematical formulas to perform calculations, sort data, control text, format and edit worksheets, create charts, design database, use tables, manage queries, and design reports. Students will recognize that Excel worksheets adapt calculations from paper and the calculator to the computer. A well-designed worksheet can save hours of work and help student experiment with a wide variety of applications. Students will also understand that everyday life in the modern world generates an enormous amount of data, including information from and about credit cards, store merchandise, telephone systems, web sites, and more. Years ago, such information was tracked and reported manually. Today, computer systems and databases manage this information.

PERSONAL FINANCE

Grades 9, 10, 11, 12

2.5 Credits - 1 Semester

Prerequisite(s): None

Personal Finance is an elective recommended for all students. The course will focus on the students' role as a consumer and participant in the business world. The course will explore new ways to maximize earnings potential, develop strategies for managing resources, explore skills for the prudent use of credit, and gain insight into the different ways of investing money.

ACCOUNTING

Grades 11 and 12

5 Credits – Full Year

Prerequisite - None

Accounting shall provide students with a comprehensive study of accounting principles and procedures needed to complete the basic accounting cycle. Students shall comprehend the rules of debit and credit and apply these rules to transactions involving service and merchandising businesses. Students shall create the financial statements derived from these transactions to complete the accounting cycle. Students shall also be tasked with preparing the payroll and payroll tax accounting records for a business. In addition, students shall apply accounting principles and procedures to demonstrate their understanding of accounting for a merchandising corporation and a partnership. Students shall demonstrate their understanding of accounting procedures of plant assets and depreciation, uncollectable accounts receivable, inventories, notes payable and receivable through chapter activities and case studies. Throughout the course, students shall assess their knowledge and understand of accounting concepts through the use of accounting software.

ACCOUNTING II

Grades 11 and 12

5 Credits – Full Year

Prerequisite - None

Students continue to learn and apply accounting principles. Students will specifically cover accounting concepts for partnerships and for corporations. Concepts include day to day accounting, end of year reports, taxes, and stock holder reports.

INTRODUCTION TO BUSINESS

Grades 9, 10, 11, 12

2.5 Credits – 1 Semester

Prerequisite - None

This course is designed to provide the student with a basic understanding of how a modified free enterprise system functions. Topics explored will include the American economic system, the role of government in regulating the system, and how it compares to other global economic systems. Business structures, Financing, Banking Services, and Technology applications will also be examined. Business math applications will be stressed throughout the course. Career information relative to business occupations will be presented to assist in career decision-making.

ECONOMICS

Grades 11 and 12

2.5 Credits – 1 Semester

Prerequisite - None

The Economics course shall provide students a unique opportunity to combine knowledge of the theoretical with practical, real-life decisions about employment options, consumer choices, and personal finance. Students shall gain an understanding of basic economic concepts such as supply and demand, opportunity costs, recession, the business cycle, resources, scarcity, and economic growth, enabling students to analyze local, state, national, and international economic questions and issues. An understanding of basic economic concepts and principles will help students to become better informed and more active citizens.

BUSINESS LAW

Grades 10, 11, 12

2.5 Credits – 1 Semester

Prerequisite - None

The Business Law course is designed to provide students with a basic foundation of the law as it applies in a business setting. Specifically, this course shall focus primarily on contract law, the most fundamental topic in business law. Students shall perform a detailed analysis of the elements of a contract that are essential to its enforceability. In addition to contract law, students shall learn about the laws of agency, bailment, insurance, and employment.

MATH, SCIENCE AND ENGINEERING

INTRODUCTION TO ENGINEERING

Grades 11 and 12

5 Credits – Full Year

Prerequisite – None

In this project-based course, students will investigate the various branches of engineering (Aerospace; Biochemical; Civil; Computer/Software; Electrical; Mechanical). The requirements expected of a professional engineer will be part of this course. (*LAB SCIENCE COURSE*)

DRAFTING I

Grades 9, 10, 11, 12

2.5 Credits - 1 Semester

Prerequisite(s): None

Drafting is drawing done with instruments. This course is one in which beginners will learn how to use drafting instruments (straight edge scales, triangles, compass, etc.), explore ways of translating ideas into working drawings and expand their technical vocabulary.

COMPUTER AIDED DRAFTING – CAD I

Grades 9, 10, 11, 12

2.5 Credits – 1 Semester

Prerequisite(s): Drafting I

This academic course will be offered to all students who have completed Drafting I and are interested in further exploring the possibilities in Drafting, Design, Mechanical and Architectural Engineering. It is the purpose of this course to provide students with a basic understanding of Computer Aided Drafting and utilize the AutoCAD 2006 software exclusively.

COMPUTER AIDED DRAFTING - CAD II

Grades 9, 10, 11, 12

2.5 Credits - 1 Semester

Prerequisite(s): Drafting I and CAD I

This course provides all students who have completed Drafting I and are interested in further exploring the possibilities in Drafting, Design, Mechanical and Architectural Engineering. It is the purpose of this course to provide students with a basic understanding of Computer Aided Drafting and utilize the AutoCAD 2006 software exclusively.

INTRODUCTION TO CONSTRUCTION TRADES

Grades 9, 10, 11, 12

5 Credits – Full Year

Prerequisite(s) None

This course is designed to prepare a student with foundational knowledge and skills for a construction career in one of four possible construction crafts. It also is a good pathway for a student to prepare for a variety of opportunities in addition to the craft areas, such as Architecture, Construction Engineering and Construction Management.

As the student progresses through the course, they are given the opportunity to explore four construction craft areas on an introductory level. Once they have completed the foundational and introductory levels they are then given the option to “major” in at least one of four craft areas. These areas are Carpentry, Masonry, Electrical, and Plumbing.

AVID

AVID 9

Grade 9

5 Credits

Prerequisites : Students are selected for the programs based on formal application and interview.

AVID 9 is a research-based program that prepares students in grades 9 to enter and succeed in college. Through a rigorous set of methodologies stressing intensive writing, higher-order inquiry and collaborative learning, AVID provides academic and personal support that enables students to reach their academic potential in grade 9.

AVID 10

Grade 10

5 Credits

Prerequisites : Students are selected for the programs based on formal application and interview.

AVID 10 is a research-based program that prepares students in grades 10 to enter and succeed in college. Through a rigorous set of methodologies stressing intensive writing, higher-order inquiry and collaborative learning, AVID provides academic and personal support that enables students to reach their academic potential in grade 10.

AVID 11

Grade 11

5 Credits

Prerequisites : Students are selected for the programs based on formal application and interview.

AVID 11 is a research-based program that prepares students in grades 11 to enter and succeed in college. Through a rigorous set of methodologies stressing intensive writing, higher-order inquiry and collaborative learning, AVID provides academic and personal support that enables students to reach their academic potential in grade 11. AVID 11 also focuses on preparing for college application and financial aid.

AVID 12

Grade 12

5 Credits

Prerequisites: Complete AVID 11 program Requirements

AVID 12 is a research-based program that prepares students in grades 12 to enter and succeed in four-year colleges. Through a rigorous set of methodologies stressing intensive writing, higher-order inquiry and collaborative learning, AVID provides academic and personal support that enables students to reach their academic potential in grade 12. AVID 12 also focuses on completing the college application and financial aid process and preparation for the college experience.

ADMINISTRATIVE

PEER LEADERSHIP

Grade 12

5 Credits — Full Year

Prerequisite(s): Junior in good standing, formal application, interview

Peer Leadership is an elective course which will help the student understand the variety of roles and responsibilities encountered in life. The student will come to understand his/her own values and how these values affect relations with other people. The student will also learn to think through problems and explore alternatives, thus improving problem-solving skills. Formal application and interview will be necessary to secure a peer leadership position.

PUPIL SERVICES

CAREER DEVELOPMENT

Grades 9, 10, 11, 12

2.5 Credit - 1 Semester

Prerequisite(s): None

Specific skills are taught which will enable students to develop a perspective as to what is available in the world of work and determine interest, aptitudes and skills.

INDEPENDENT LIVING

Grades 9, 10, 11, 12

2.5 Credit - 1 Semester

Prerequisite(s): None

This course offers students an opportunity to explore and develop everyday living skills. Students learn through hands-on experiences, discussion and multimedia programs, social and survival skills needed in day-to-day life. Students will be expected to complete selected projects to enhance learning and display their skills.

SKILLS FOR SUCCESS

Grades 9, 10, 11, 12

5 Credit – Full Year

Prerequisite(s): None

This course will enable students to understand and learn the decision making process. Students will have opportunities to experience making appropriate decisions. Conflict resolution will also be explored. Students will be involved with the topical issues which are relevant and impact on their lives.

TRANSITION SKILLS

2.5 Credit - 1 Semester

Prerequisite(s): None

This course will provide the student with the skills and knowledge to ensure a smooth transition through school and on through their post secondary school years. The student will study the nature of a disability and ways of accommodation. They will also become familiar with their rights as defined by federal and state statutes. A review of the Individualized Education Plan (IEP) and the role of the Child Study Team (CST) will be addressed. Students will become knowledgeable of the service agencies that are available to them. Self-determination skills will be developed through practical applications by addressing the individual needs of the student in such areas as education, careers, life skills, independent living, recreation and provider services as needed. Each student will develop a transition plan as a final project.

SC KEYBOARDING

Grades 9, 10, 11, 12

5 Credits – Full Year

Prerequisite(s): None

Keyboarding I is a full year course that is required for the development and refinement of touch keyboarding. Emphasis will be placed on keyboarding technique, speed, and control with the added component of basic word processing and the application of these skills in computer related fields and/or college-related activities.

COURSE SELECTION WORKSHEET

(for student planning)

CREDITS:

9th Grade: _____ 10th Grade: _____

11th Grade: _____ 12th Grade: _____

REQUIREMENTS FOR GRADUATION

20 Credits English 20 PE/Health (*1 year each in NJ School*)

15 Credits Math

5 Credits World Language

15 Credits Science

5 Credits Visual/Performing Arts

15 Credits History (World, US I, US II)

5 Credits Practical Arts

Total Credits: _____ (130 Needed for Graduation)

COMPLETE YOUR SCHEDULE FOR 2010-2011

English _____ Math _____

Social Studies _____ Science _____

World Lang. _____ Health/Phys. Ed. _____

Additional Courses (Electives)

THEMED INSTITUTE: _____

1ST Choice

2nd Choice

Elective _____

Elective _____

Elective _____

Course Selection Guide

GRADE	English Language Arts	Math	Science	Social Studies	World Language	Health and Physical Education	Other Requirements	Electives
9	English 9 <i>(Honors)</i>	Algebra I Geometry <i>(Honors)</i>	Geophysical Science Honors Biology	World History	World Language I	Health/PE 9	Visual or Performing Art (5)	
10	English 10 <i>(Honors)</i>	Geometry Algebra II <i>(Honors)</i>	Biology Honors Chemistry	US History I	World Language II	Health/PE 10		
11	English 11 <i>(Honors)</i>	Algebra II Pre-Calculus Calculus	Chemistry Honors Physics	US History II	World Language III	Health/PE 11	Practical Arts (5)	
12	English 12 <i>AP Language and Comp.</i> <i>AP Literature and</i>	<i>Pre-Calculus</i> <i>Calculus</i> <i>AP Calculus</i> <i>AP Calculus BC</i>	<i>Physics</i> <i>AP Biology</i> <i>AP Chemistry</i> <i>AP Physics B</i>	<i>AP History</i> <i>SS Elective</i>	World Language IV AP Spanish	Health/PE 12		