

**New Brighton Area High School  
New Brighton, Pennsylvania 15066**

**2010-2011  
CURRICULUM**

**ADMINISTRATIVE PERSONNEL**

Superintendent ..... Dr. David C. Pietro  
Dir. of Curriculum..... Mrs. Cynthia Fuselier  
High School Principal..... Mr. Edward J. Kasparek, Jr.  
High School Assistant Principal ..... Mr. Julian Underwood  
Dir. of Pupil Personnel..... Dr. Marjory Warnes

**GUIDANCE AND COUNSELING**

Counselor, Last Name A-L..... Ms. Aimee Young  
Counselor, Last Name M-Z..... Ms. Caroline Wiest

*Questions concerning scheduling can be addressed by contacting the  
counselors at the High School between 7:00 a.m. and 2:30 p.m. daily.  
724-843-1795*

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# THE SCHEDULING PROCESS

## INTRODUCTION

The purpose of education is to prepare students for living in a complex world which is constantly being challenged by change. Careful planning of the total high school “program of study” is necessary to prepare students for life after graduation. Selection of courses should be based on the student’s proven abilities, interests, aptitudes and ambitions for the future. Establishing goals and working toward achieving them must be the focus of all students.

The goal of the Guidance Department is to ensure that all students have sufficient credits for graduation and are registered for the proper subjects each year. It is the responsibility of *each student*, however, to monitor the quality and quantity of his/her credits.

The scheduling process is the shared responsibility of students, parents, teachers and counselors. All of these individuals contribute ideas and information which result in effective educational programs for students. **Counselors** are available to assist students, parents, and teachers in developing a sound educational program. **Parents** assist students in the selection process by discussing alternatives and by helping them analyze their individual interests and goals. **Teachers** are available to discuss the curriculum with students in an effort to provide understanding of the many options that are available. **Students** are encouraged to seek their teachers’ recommendations before enrolling some courses so that they are appropriately placed and meet the prerequisites. Students must choose those subjects which give them the knowledge and skills that are necessary as determined by their current educational and career plans.

## PROCEDURAL REQUIREMENTS

1. Each student will participate in a group guidance scheduling orientation.
2. Each student must prepare a course selection sheet with required parental signatures.
3. Each student must register for at least six (6) credits plus physical education or health. One or two alternative courses must also be selected.
4. Each student must meet course prerequisites before enrolling for a class.
5. **Each registration for required and elective subjects is a commitment to remain in that class for the entire term.**
6. Forms will be collected during a second group guidance session.
7. If necessary, the Guidance Counselors will call each student to their office to further counsel and advise on all course selections and requests.

scheduling chart explains the credit requirements for graduation. See below for details.

## Beaver County Career and Technology Center Scheduling Options

### BCCTC STUDENTS (Two year program)

- NEEDS:** 4 YEARS OF ENGLISH  
4 YEARS OF GYM  
1 YEAR OF HEALTH  
1 YEAR OF COMPUTERS  
1 YEAR OF TECHNOLOGY
- OPTIONS:** 4 History—3 Science—3 Math  
3 History—4 Science—3 Math  
3 History—3 Science—4 Math

### BCCTC STUDENTS (Three year program—Cosmetology Students)

- NEEDS:** 4 YEARS OF ENGLISH  
4 YEARS OF GYM  
1 YEAR OF HEALTH  
1 YEAR OF COMPUTERS  
1 YEAR OF TECHNOLOGY
- OPTIONS:** 3 Math  
3 Social Studies  
3 Science

Students who will only complete 1 year of BCCTC will be assessed on an individual basis for credit requirements.

Students who are delinquent on credits for graduation will be assessed on an individual basis for approval to attend BCCTC.

## CLASS STATUS

*Class status is determined by the number of credits “earned” by the student and not homeroom designation.*

## ***BEAVER COUNTY CAREER AND TECHNOLOGY CENTER***

- 3451 HVAC-R (Air Conditioning/Refrigeration)
- 3452 COLLISION REPAIR TECHNOLOGY
- 3453 AUTO MECHANICS
- 3455 BUSINESS INFORMATION SYSTEMS
- 3456 CARPENTRY
- 3457 COMMERCIAL ART
- 3458 LOGISTICS AND MATERIALS MANAGEMENT
- 3459 COSMETOLOGY
- 3460 DRAFTING AND DESIGN
- 3461 ELECTRICAL OCCUPATIONS
- 3463 FOOD PREPARATION AND SERVICE
- 3464 GRAPHIC ARTS/PRINTING
- 3465 GREENHOUSE/LANDSCAPING
- 3466 HEALTH OCCUPATIONS
- 3467 MACHINE TOOL TECHNOLOGY
- 3468 MASONRY/BRICKLAYING
- 3469 PLUMBING/HEATING
- 3470 WELDING

*Grades 11, 12*

*1 year—3 credits—1/2 day—**PM ONLY***

*PREREQUISITE: Must complete an application and be selected*

The Beaver County Career and Technology Center is an extension of your high school which offers Career—Technology Courses. Each occupational program prepares students to enter the job market with a career skill. The Career-Technology Courses are two-year programs for students in grades 11 and 12, which meet three hours per day for a total of 1080 hours.

Students who wish to apply for admission may request an application from the Guidance Office. This application is to be completed by the student and parent and returned to the Guidance Office. Student selection is decided by the home school and is based upon factors such as interest aptitude, counselor recommendations, teacher recommendations, attendance, school achievement, and quota.

Students must successfully complete 2 or 3 years of BCCTC in order to waive academic credits towards graduation. The following

## **STUDENTS IN THE CLASS OF 2011, 2012, 2013, 2014**

Students in the Class of 2011 and beyond must earn at least 26.5 credits during their high school years in order to meet graduation requirements. As Freshmen, they must earn at least 6 credits to be recognized as a Sophomore, at least 12 credits by the end of the Sophomore year to be recognized as a Junior, and at least 18 credits by the end of their Junior year to be recognized as a Senior.

Diploma.....	26 .5 credits
Senior .....	18 credits
Junior.....	12 credits
Sophomore .....	6 credits

## **3622 SENIOR PROJECT**

*Independent Study*

*1 Credit*

Senior Project is a one-credit independent study that all seniors must pass in order to graduate. Students will job shadow a career of their choice and complete a culminating activity corresponding to the job shadowed. The requirements for a portfolio, Senior Expo, and final speech need to be successfully completed in order to pass. See the Senior Project Guideline booklet for specific information.



## GRADUATION REQUIREMENTS

Students in the Class of 2011 and beyond must earn at least 26.5 credits during their high school years in order to meet graduation requirements.

### CLASS OF: 2011, 2012, 2013, 2014

English	4
*Math	4
Social Studies	4
*Science	4
Electives	6
Physical Education	1
*Computers	1
*Technology Education	1
Health	0.5
Senior Project	1
<b>TOTALS</b>	<b>26.5</b>

\*The successful completion of Algebra I, Algebra II, Geometry, Biology, Computers, and Technology Education as required for graduation.

**Variations in the graduation requirements for BCCTC students are listed on Page 45.**

**All students must schedule a minimum of six (6) major subjects each year.**

Students are reminded that all course selections are final. **Honors and AP Course selections are final and will not be changed at any time. All other course changes must be made by July 31st.** If the need arises for a schedule change due to failure in a class up to and including the mid-grade report sheet in September (4 1/2 weeks into the first nine week period), the following criteria will be followed:

1. Documented evidence from the teacher that the student was trying in class and stayed after school to get help.
2. There will be a meeting of the parent, student, counselor, teacher, and principal where evidence of a sincere effort on the part of a student is outlined and that the student is not academically ready for the subject.



For consideration in this program, students must be well discipline, self-directed, and possess effective computer usage skills. Student will be expected to manage their time well in order to complete their studies. Each enrolled student will be scheduled individually according to their academic needs.

### 3950 WORK RELEASE

*Grade 12*

*1 year—1 credit each course*

**PREREQUISITE**— *Student must have a job by the start of their senior year and be current with their credits for graduation.*

Work release is an option for seniors who are on-track with graduation requirements. At the end of their junior year, students who require less than a full course load of credits their senior year are eligible. A student's schedule will be reviewed by the guidance counselor in order to accommodate leaving for work release after their last required class. This option could involve leaving as early as 5<sup>th</sup> period or leaving for only the last period of the day. There are no guarantees that the courses a student requests will accommodate them leaving early.



# ***SPECIALIZED PROGRAMS***

## **4050 DUAL ENROLLMENT**

*Grades 11, 12*

*1 year—1 credit each course—1.2 weight*

*PREREQUISITE—80% average*

Dual enrollment allows students to simultaneously attain one high school credit and 3 to 4 college credits. Students with 80%+ average are eligible to attend Penn State Beaver Campus or Community College of Beaver County. Senior students' schedules may be adjusted to accommodate leaving the high school to take classes. The college courses may be offered at no cost to the student. These courses are not remedial courses. Course selections will include academic courses of reading/language arts, mathematics, science, geography, civics/government, history, economics, art, and foreign languages. \*\*\*College courses taken outside of the Dual Enrollment program must be approved by the principal in order to receive credit towards graduation requirements. The course will only be weighted if approved as meeting the NBASD graduation requirements criteria.

## **6000 REGIONAL CHOICE INITIATIVE (RCI)**

*Grades 10, 11, 12*

*1 year—1 credit each course*

*PREREQUISITE—Administrative approval.*

RCI is a unique consortium of 16 Pennsylvania school districts providing students with more choices and by taking advantage of the latest advances in education technology. Students may opt to participate in the Open Seats program or the Inter-Video Conferencing (IVC).

Open Seats allows students to take courses in other districts that are not currently available in their home district. Students can access the various courses by visiting their district Guidance Office. IVC is an option for students who would like to take an RCI class but are unable to leave the building based on scheduling issues. This option is achieved through the use of computer technology. Due to scheduling, courses may not fit onto a student's daily schedule. A student interested in this option will work closely with the Guidance Counselor to arrange their schedule.

## **5100 LIONS ONLINE ACADEMY (LOLA)**

*GRADES: 10, 11, 12*

*1 Year – 1 Credit Each Course*

*PREREQUISITE: Administrative Approval*

Enrollment in this program is through an agreement between the school district and the student's family. Through the use of online curricula, students will be assigned courses for credit recovery, credit remediation, or credit acceleration.

# **INCOMPLETE GRADES**

An incomplete grade for a nine-week period indicates that the work for that specific period has not been completed. For the first three grading periods, students have ten (10) school days from the end of the report period in which they must complete the make-up work. If a student has not completed the work in this period of time, the incomplete grade (I) will become a failing grade (F).

If a student receives an incomplete grade (I) during the final marking period and fails to complete the work required for the course by the last teacher day of the school year, he/she will not receive credit for the course.

# **WEIGHTED COURSES**

Advanced Placement English 12, AP Biology and Lab, AP Chemistry and Lab, AP Calculus and AP European History are given a 1.2 weighted value. Students should expect a high intensity work load. They carry a weight of  $1.2 \times 90 = 108\%$ . The earned grade (90%) will be shown on the report card. The weighted grade (108%) will be calculated in the computer for computing GPA.

The following courses are weighted 1.1:

Honors English 9	Honors Econ Geography/AM. Civics
Honors English 10	Honors World Culture
Honors English 11	Honors 20th Century US History
Honors English 12	Honors Algebra I
Honors Bio/Lab	Honors Algebra II
Honors Chem/Lab	Honors Geometry
Honors Physics/Lab	Honors Trigonometry/Pre Calculus
Honors Spanish IV	Honors Calculus
Honors French IV	Honors Choir
Honors Instrumental Music	

## NON-DISCRIMINATION POLICY

New Brighton Area School District is an equal opportunity education institution and will not discriminate on the basis of race, color, national origin, sex, handicap, or limited English proficiency in its activities, programs or employment practices as required by Title VI, Title IX and section 504.

## CONFIDENTIALITY OF STUDENT RECORDS

The New Brighton Area School District has written policies which address the right of privacy and confidentiality of student records including those of exceptional students. These policies describe procedures for the collection, care, and sharing of student records.

Your child's record may contain various kinds of information such as results of informal testing, attendance, test scores, school achievement, and descriptive information about your child such as height, weight, birth date, and address. The record may also include parent consent forms, reports of all formal assessments such as psychological reports, results of multi-disciplinary team meetings, copies of individual Education Programs (IEPs), Notice of Recommended Educational Placement (NOREPs), and requests for release of information for file review.

Parents must give written permission to share items in the record with outside agencies. Written parental consent for release of exceptional pupil records is not necessary if a request is made by authorized representatives of the Comptroller General of the United States, Commissions of Education, or the Director of the National Institute of Education; state or local officials as required by state laws or when the health, safety, or welfare of the child is in danger; and/or educational agencies who are providing or will be providing educational services for the child.

The information in your child's school records is available to you. You may see your child's record and receive a copy by making a request in writing to the High School Guidance Counselors. Any information in your child's record can be challenged through written communication to the Superintendent of Schools.

## PARTICIPATION OF EXCEPTIONAL STUDENTS

No exceptional students shall be denied because of handicap, participation in co curricular, intramural or interscholastic activities or any of the services offered or recognitions rendered regularly to the students of the New Brighton Area School District unless such participation is not practical because of the handicap.

## 3806 TECHNOLOGY SYSTEMS

*GRADES 9, 10, 11, 12*

*1 year—1 credit*

*PREREQUISITE: None*

This course is intended to give awareness to basic principles of Technological systems. The students will develop skills in structural design, engineering and problem solving through the solving of structural problems. The students will learn about the subsystems of transportation and apply them to solving problems in transportation.

## 3812 VIDEO PRODUCTION I

*GRADES 10, 11, 12*

*1 year—1 credit*

*PREREQUISITE: Application form and students must have a GPA of at least 3.0*

This course is intended to teach basic video production techniques such as writing, shooting and editing short video programs. The student will demonstrate knowledge of camera techniques as well as of the mixer and generator. Students taking this course are required to participate in morning announcements.

## 3813 VIDEO PRODUCTION II

*GRADES 11, 12*

*1 year—1 credit*

*PREREQUISITE: Completion of Video Production I*

This two-year course involves the student in the writing and producing of short video programs. The student will demonstrate competency in video camera techniques, using the camcorder, generator, and the video mixer. Students will also be involved in digital camera usage and digital computer editing techniques. Students will take part in off-cable and off-satellite recording and the cataloging of the programs to be used by the school district. Students will also participate in the videotaping of classroom demonstrations and other live productions. This course satisfies the requirements of the articulation agreement with the Art Institute of Pittsburgh.

## 3816 PRODUCTION TECHNOLOGY

*Grades 11, 12*

*1 Year, 1 Credit*

*Prerequisite: Manufacturing Enterprise*

This course provides an opportunity to improve and advance knowledge and skills in manufacturing processes. Students will study the design procedures and production techniques that will advance their skills in the use of machines, tools, and manufacturing processes. Careers to which this study could lead include all types of manufacturing, engineering, construction, materials design, cabinetmaking, and carpentry.

## 3808 DRAFTING AND DESIGN I (\*CUHS course)

*GRADES 10, 11, 12*

*1 year—1 credit*

*PREREQUISITE: None*

Students interested in the mechanical, technical, and engineering fields will gain skill, which will help them be successful in these careers. Students will spend the first six weeks acquiring manual drafting skills. The remainder of the course will be spent using AutoCAD computer aided drafting software.

## 3809 DRAFTING AND DESIGN II (\*CUHS course)

*GRADES 11, 12*

*1 year—1 credit*

*PREREQUISITE: Drafting and Design I*

This course will provide students with an understanding of Architecture. As a culminating demonstration, each student will produce architectural plans for a residential dwelling. The plans will be designed using AutoCAD drafting software.

## 3810 DRAFTING AND DESIGN III

*GRADE 12*

*1 year — 1 credit*

*PREREQUISITE: Drafting and Design II*

This course is designed for students who wish to further their CAD skills and knowledge. Topics to be covered will be: Grips, Attributes and Hatching. There will also be units on 3-D drawings and commercial construction, i.e., commercial buildings.

*\*California University in the High School (CUHS) permits high school students to take university-level courses as part of their regular high school day. Students who register and pay the tuition (currently \$25 per credit) in the CUHS course will receive three (3) credits from California State University of PA upon successful completion of the course (grade C or above.)*

## NEW BRIGHTON AREA HIGH SCHOOL SCHEDULE

### ENGLISH

English 9  
Honors English 9  
English 10  
Honors English 10  
English 11  
Honors English 11  
English 12  
Honors English 12  
AP English 12  
Speech and Drama  
English as a Second Language  
Reading Strategies  
Performance Forensics

### SOCIAL STUDIES

Economic Geog/Amer. Civics  
Honors Econ. Geog./Amer. Civics  
World Cultures  
Honors World Cultures  
20th Century U.S. History  
Honors 20th Century U.S. History  
Economics/P.O.D/Psychology/  
Sociology  
AP European History  
Introduction to U.S. Law  
History and Film

### LANGUAGES

French I, II, III,  
Honors French IV  
Spanish I, II, III  
Honors Spanish IV  
Japanese I

### ART

Foundation Art  
Drawing/Painting/Printmaking  
Drawing/Fibers/3-D  
Honors Art  
Principles of Design in Art I, II

### FAMILY & CONSUMER SCIENCES

Foods and Nutrition  
Child Development

### MUSIC

Jazz Lab  
Instrumental Music  
Honors Instrumental Music  
Percussion Ensemble  
Mixed Chorus-Section I  
Mixed Chorus-Section II  
Honors Concert Choir  
Auxiliary Unit

### SCIENCE

Biology  
Honors Biology & Lab  
AP Biology & Lab  
Chemistry  
Honors Chemistry & Lab  
AP Chemistry & Lab  
Physics  
Honors Physics & Lab  
Integrated Science  
The Earth in Space  
General Science  
The Way Science Works

### MATHEMATICS

Algebra I  
Honors Algebra I  
Algebra II  
Honors Algebra II  
Geometry  
Honors Geometry  
Trigonometry/Pre-Calculus  
Honors Trigonometry/Pre Calculus  
Honors Calculus  
AP Calculus  
PSSA Math

# NEW BRIGHTON AREA HIGH SCHOOL SCHEDULE

## **BUSINESS AND INFORMATION MANAGEMENT**

Accounting I  
Accounting II  
Programming I  
Programming II  
Spreadsheets and Databases  
Computer Applications  
Career Skills  
Applied Communications I  
Applied Communications II  
Applied Communications III  
Investing and Finance

## **TECHNOLOGY EDUCATION**

Manufacturing Systems  
Manufacturing Enterprise  
Production Technology  
Drafting and Design I  
Drafting and Design II  
Drafting and Design III  
Technology Systems  
Video Production I  
Video Production II

## **SPECIALIZED PROGRAMS**

Dual Enrollment  
Regional Choice Initiative  
Lions On-Line Academy  
Work Release

## **HEALTH AND PHYSICAL EDUCATION**

Junior Girls Health  
Junior Boys Health  
Physical Ed.-Girls  
Physical Ed.-Boys  
Fitness Training  
Independent Physical Education  
Exempt Physical Education

## **BCCTC**

HVAC-R (Air Conditioning/  
Refrigeration)  
Collision Repair Technology  
Auto Mechanics  
Business Information Systems  
Carpentry  
Commercial Art  
Logistics and Materials Management  
Cosmetology  
Drafting & Design  
Electrical Occupations  
Food Preparation and Service  
Graphic Arts/Printing  
Greenhouse/Landscaping  
Health Occupations  
Machine Tool Technology  
Masonry/Bricklaying  
Plumbing/Heating  
Welding

## **3681 MIXED CHORUS—SECTION I**

*GRADES 9, 10, 11, 12*

*1 year—1 credit*

*PREREQUISITE: Permission of Instructor*

This chorus is designed to establish, develop, and strengthen the needed understandings to sing choral music of graduated difficulty. The growth of the vocal student in their vocal technique, musicianship, and music reading skills will be stressed. Any male or female may elect mixed chorus; however, you must be able to sing in tune. Some after school performances are required.

## **3685 MIXED CHORUS—SECTION II**

*GRADES 9, 10, 11, 12*

*1 year—1 credit*

*PREREQUISITE: Permission of Instructor*

This course is open to any student, male or female, who desires to further their education in the area of vocal music. Daily warm-up and singing are required as well as basic music theory. Evening performances are required. This course is designed to prepare students for a more advanced choir in the future.

# ***TECHNOLOGY EDUCATION***

## **3802 MANUFACTURING SYSTEMS**

*GRADES 9, 10, 11, 12*

*1 year—1 credit*

*PREREQUISITE: None*

Manufacturing Systems will deal with design and construction of the student's individual long term projects in the area of wood. The specific areas covered include: Machine processes with wood, construction techniques, finishing and transportation. Students will show that they are conscientious achievers by completing the finished product.

## **3815 MANUFACTURING ENTERPRISE**

*GRADES 10, 11, 12*

*1 year—1 credit*

*PREREQUISITE: Manufacturing Systems*

This course is intended to allow high school students to participate in starting, running and succeeding in a business endeavor. Students will choose the type of product that will be produced, decide how to produce it, and produce it. This class can be integrated with other courses such as business and design.

### 3687 PERCUSSION ENSEMBLE

*Grades 9, 10, 11, and 12*

*1 year – 1 credit*

*PREREQUISITE: Students must know how to read music. Students who are not enrolled in band may be asked to identify notes and rhythms to show what they know about reading music before they are allowed to participate in this ensemble.*

Percussion Ensemble is an instrumental ensemble that will consist of only percussion instruments. Students enrolled in this class will learn how to play different percussion instruments as well as playing together in a percussion ensemble setting. Prior experience on percussion instruments is not required. Students must know how to read music in order to participate. If students can not read music, they may not be enrolled in the course as it is designed to be an advanced ensemble. After school rehearsals may be required throughout the school year and a concert will be held at Christmas and in the spring. (Maximum of 15 students)

### 3682 HONORS CONCERT CHOIR

*GRADES 10, 11, 12*

*1 year—1 credit – 1.1 weight*

*PREREQUISITE: Students wishing to enroll in this course must be in grades 10-12 and will be placed in the class based on individual audition. No students will be able to take Honors Concert Choir without a valid audition evaluated in writing by the High School Choral Director. The audition will be uniform for every student to ensure an equal opportunity.*

This is an advanced choral group which studies and performs all types of music in the moderate to difficult range. Students will participate in collaborative vocal music activities through daily self-addressed harmonization in a broad choral setting. Daily choral training and development is required to successfully participate in choral competitions, i.e., Honors, District, Regional, and All State Chorus. Students will be required to perform at the annual Baccalaureate program as part of the grading procedure. Students will be required to perform at the annual Honors Program as part of the grading procedure. Students accepted into this class will be required to sing the National Anthem at least one time at a home sporting event, parade, or other school related public event. This may be done as a solo, duet, or ensemble of any size. Every student must take their own required singing assignment; for example, if two students elect to sing a duet at a basketball game, they will be required to sing at two events one for each student. Students accepted into this class will be required to attend one arts related event per semester and provide proof of their attendance, (program, ticket stub etc.) along with a completed reflection form.



## ENGLISH

### GPA requirements for students selecting the following subjects:

- For a student in a core English who plans to enroll in an Honors course, they must have a 90% average in their core English.
- For a student in an Honors English who plans to continue in an Honors course, they must have a 82% average in their Honors English.
- For a student in a core English who plans to enroll in AP English 12, they must have a 93% average in their core English.
- For a student in an Honors English 11 who plan to enroll in AP English 12, they must have an 85% average in their Honors English.

### 3013 ENGLISH 9

*GRADE 9*

*1 year—1 credit*

*PREREQUISITE: None*

This course will integrate the study of short stories, poems, dramas, and novels with composition. Compositions are specific in the narrative, persuasive, and informative styles of writing. Students will compose weekly response essays and will participate in peer evaluation. Literary classifications include: A research paper, class presentations and speeches, and a variety of individual projects with longer texts. This course will enable students to develop the foundation for writing and speaking in order to become independent communicators and critical thinkers.

### 3020 HONORS ENGLISH 9

*GRADE 9*

*1 year—1 credit—1.1 weight*

*PREREQUISITE: See requirements at the beginning of the English section*

This course will stress a Humanities approach to literature through philosophy, followed by a genre-based exploration of the novel, drama, short story and poetry. Composition skills will center on journals, essays, and reaction papers. Grammar instruction will be based on the correction of common errors in written and spoken English as well as the demonstration of competence on standardized grammar tests. At least one oral presentation will be required of each student. Students are required to read two books during the summer and complete associated writing assignments. These assignments will be collected at the beginning of the school year and content in the first month of school will be based on those assignments. Failure to complete these requirements will result in a reduction of the first nine weeks grade. Each writing assignment will be the equivalent of a test grade. Students will not be permitted to drop this class due to failure to complete the summer reading assignments.

### 3003 ENGLISH 10

GRADE 10

1 year—1 credit

*PREREQUISITE: Successful Completion of English 9*

English 10 challenges all students to increase their abilities in reading, comprehending, analyzing, interpreting and responding to various forms of literature. Students will read short stories, poetry, play scripts and non-fiction writing from their textbooks. Novels will be read independently and students will be tested through the Accelerated Reading program. Students will also read novels as part of the overall class curriculum. A majority of the writing assignments will focus on narrative, informative and persuasive essay writing skills. Speaking and listening skills will also be developed and assessed through discussions and presentations.

### 3004 HONORS ENGLISH 10

GRADE 10

1 year—1 credit—1.1 weight

*PREREQUISITE: See requirements at the beginning of the English section*

This course is designed for students who will be expected to demonstrate their understanding of American literature and world literature by reading, interpreting, analyzing, and evaluating short stories, poetry, novels, biographies, and essays. They will demonstrate this understanding through a variety of strategies including, but not limited to, compositions, oral presentations, individual projects, and activities within cooperative learning groups to illustrate that they are effective communicators, critical thinkers, creative producers, effective learners, and collaborative contributors. Students are required to read two books during the summer and complete associated writing assignments. Assignments will be collected at the beginning of the school year and work in the first month of school will be based on these assignments. Failure to do so will result in a reduction of the first nine weeks grade. Each writing assignment will be the equivalent of a test grade. Students will not be permitted to drop these classes due to failure to complete the summer reading assignments.

### 3005 ENGLISH 11

GRADE 11

1 year—1 credit

*PREREQUISITE: Successful Completion of English 10*

This course is designed for students who will be expected to demonstrate their understanding of literature by reading, interpreting, analyzing, and evaluating a variety of American Literature selections. These selections range from early American Literature to more recent contemporary pieces. The selections will include short stories, poems, novels, biographies, and essays. Students will demonstrate their understanding through tests, individual and group projects, and writing assignments that meet state requirements.

### 3626 AUXILIARY UNIT/INSTRUMENTAL MUSIC

### 3627 AUXILIARY UNIT/STUDY HALL

### 3629 AUXILIARY UNIT/CHORUS

GRADES 9, 10, 11, 12

1 year—1 credit (Auxiliary/Study Hall—1/2 credit)

*PREREQUISITE: Auditions held in the spring for the following year.*

The Auxiliary Unit is part of the HS Marching Band. It is comprised of members who perform in a variety of ways, including the use of flags, batons, pom-poms, dance, and other props. The number of students chosen for the Auxiliary Unit is based on the number of Instrumentalists in the Band each year. Membership is based on auditions held in the spring for the upcoming season. Full-time members, alternates, and the use of second squad are chosen at the Band Director's discretion. Included in the requirements for Auxiliary Unit membership is after-school participation in all Marching Band functions and Rehearsals scheduled throughout the summer and school year. Any squad member who plays an instrument is **required** to participate in Concert Band.

### 3683 INSTRUMENTAL MUSIC

GRADES 9, 10, 11, 12

1 year—1 credit

*PREREQUISITE: Permission of Instructor*

This course is for all band members with specific periods set aside for Concert and Marching Band rehearsal. After-school and summer practice sessions are required. Students may receive additional individual or ensemble instruction during their study halls. Students will learn individual and team responsibility as well as cooperation skills through peer teaching. The Band Director may opt to select students to participate in select ensembles as a result of auditions and available instrumentation. Included and required in this course is after-school participation in concert performances, football games, parades, and band festivals; practice sessions—both ensemble and individual—and occasional written work.

### 3684 HONORS INSTRUMENTAL MUSIC

Grades 9,10,11, and 12

1 year – 1 credit – 1.1 weight

*PREREQUISITE: Instructor recommendation and a performance audition.*

Students enrolled in this course will have the same requirements as those students who are enrolled in instrumental music with the addition of learning more scales and arpeggios and being tested on those areas. Students will be required to peer tutor a 7<sup>th</sup> or 8<sup>th</sup> grade music student.

# ***FAMILY AND CONSUMER SCIENCES***

## **3671 FOODS AND NUTRITION**

*GRADES 10, 11, 12*

*1 year—1 credit*

*PREREQUISITE: None*

Students will investigate the six basic food groups and the nutritional value by planning, creating, and evaluating the various foods. Using cooperative learning, simulations, and individual assessments, students will relate class work to what is needed for everyday living. Students will demonstrate their understanding by participating in and completing class projects.

## **3673 CHILD DEVELOPMENT**

*GRADES 12*

*1 year—1 credit*

*PREREQUISITE: Permission of instructor*

This course is offered to seniors. The course is devoted to investigating the self, patterning adult family roles and developing parenting strategies. Students will use cooperative learning activities, role playing, long term projects, and individual testing to transfer class activities to their real family life experiences. Students will model their learning by guiding and teaching preschool students. Student must complete a journal on the selected preschooler.

# ***MUSIC***

## **3686 JAZZ LAB**

*GRADES 9, 10, 11, 12*

*1 year—1 credit*

*PREREQUISITE: Permission of Instructor with Auditions held in as needed*

This course consists of a modern jazz ensemble which stresses playing and improvisation. Music is selected from available tunes representing various styles of jazz, jazz-rock, Latin and swing music from the past and present. Jazz Lab is open to any capable instrumentalist (including piano, guitar, and bass). Students are expected to also participate in Instrumental Music. A basic introduction of music theory will be part of the course work (including the history of jazz). Out-of-school performances, after school rehearsals, and homework assignments are **required**. *You must know how to read music.*

## **3006 HONORS ENGLISH 11**

*GRADE 11*

*1 year—1 credit—1.1 weight*

*PREREQUISITE: See requirements at the beginning of the English section*

This rigorous curriculum demands members of the class to demonstrate comprehension and synthesis of the content material in the various literary classifications through original responses, research papers real life issues, and compositions. The lecture method, cooperative learning, and individual study will be utilized to achieve these outcomes. Through these demonstrations, class members will show that they are effective learners, goal setters, and critical thinkers. Students are required to read two books during the summer and complete associated writing assignments. Assignments will be collected at the beginning of the school year and work in the first month of school will be based on these assignments. Failure to do so will result in a reduction of the first nine weeks grade. Each writing assignment will be the equivalent of a test grade. Students will not be permitted to drop these classes due to failure to complete the summer reading assignments.

## **3007 ENGLISH 12**

*GRADE 12*

*1 year—1 credit*

*PREREQUISITE: Successful Completion of English 11*

This course contains literature and composition based on the study and interpretation of British short stories, essays, poetry and drama. Students will be involved in evaluating this literature through various writing samples, group projects and oral presentations. They will show that they are effective communicators and collaborative workers.

## **3008 HONORS ENGLISH 12**

*GRADE 12*

*1 year—1 credit—1.1 weight*

*PREREQUISITE: See requirements at the beginning of the English section*

Honors English 12 is a full-year course of composition, vocabulary enhancement, independent reading, and world literature study. Students will think critically and communicate effectively through their contributions in class discussions, individual and group projects, tests, and debates. In addition, students will research, organize, and compose a variety of written works and long-term projects. Students are required to read one book during the summer and complete associated writing assignments. These assignments will be collected at the beginning of the school year, and content in the first weeks of school will be based on these assignments. Failure to complete these requirements will result in a reduction of the first nine-weeks' grade. Students will not be permitted to drop this class due to failure to complete the summer reading assignments.

**3024 ADVANCED PLACEMENT ENGLISH 12**  
**ENGLISH LITERATURE & COMPOSITION**

*GRADE 12*

*1 year—1 credit—1.2 weight*

*PREREQUISITE: See Requirements at the beginning of the ENGLISH section*

This thematically arranged curriculum is designed to encourage students to demonstrate their comprehension and synthesis through the writing of research papers, projects, and original literature compositions. Collaborative learning is emphasized along with the lecture method. Through these demonstrations, students will show that they are effective learners and communicators. Students are required to read two books during the summer and complete associated writing assignments. Assignments will be collected at the beginning of the school year and work in the first month of school will be based on these assignments. Failure to do so will result in the reduction of the first nine weeks grade. Students will not be permitted to drop the course due to failure to complete the summer assignments. Those students enrolled are encouraged to take the AP English Exam in May.

**3009 SPEECH AND DRAMA**

*Grade 11, 12*

*1 year - 1 credit*

*Prerequisite: successful completion of current core English course; teacher recommendation.*

This is a two-semester course. In the first semester, acting and theater techniques will be emphasized with grades determined by theatrical presentations, including a one-act play. This section of the course is structured to provide the student a basis in theater skills, to offer a creative outlet, and to produce well-rounded performers. The second semester will focus on the basics of effective communication. Students engage in practice interviews and mock presentations. Self-evaluation and study of speech mechanics help students understand the public speaking process. Speech composition will also be covered in this course. This class is an elective and is not intended to replace the regularly scheduled English class. If electing this course, you must still schedule English.

**3010 ENGLISH AS A SECOND LANGUAGE**

*GRADES 9, 10, 11, 12*

*1 year—1 credit (Will replace English)*

*PREREQUISITE: None*

This is a tutorial course designed to teach Level I English through Level 5 bridging levels of English to non-native English speakers.

- Students whose entering knowledge of English ranges from Level I through Level 5 based on English language proficiency or placement tests.
- Students with a wide range of aptitudes and learning styles

**3678 HONORS ART**

*1 year—1 credit—1.1 weight*

*PREREQUISITE: Completion of Foundation Art and one other Art course offered at the high school and student must have a GPA of at least 3.0.*

This course incorporates the knowledge and skill attained in the three previous art courses and is designed, primarily, to further develop skill and knowledge with a focus on student development of a personal style via various media. Students will identify with a specific artist and work to develop a portfolio that illustrates the artist's influence in the development of their own work. Individual approaches to problem-solving and creative solutions will be a focus of the student portfolio throughout the year (Portfolio/Sketchbook/Gallery). This course satisfies the requirements for the articulation agreement with the Art Institute of Pittsburgh.

**3679 PRINCIPLES OF DESIGN IN ART I**

*1 year—1 credit*

*PREREQUISITE: None*

This course is designed to build upon the elements learned in Foundation Art with an emphasis on practical applications. Through the four basic principles of Design which include Graphic, Industrial, Architectural, and Interactive Design, students will be able to put forth strong concepts that address significant issues as well as develop an artistic style throughout. Within this course students will explore a multitude of projects, such as fashion, interior design, and advertising through the use of computers and traditional art forms

**3680 PRINCIPLES OF DESIGN IN ART II**

*Grades 10, 11, 12*

*1 year - 1 credit*

*Prerequisite: Completion of Principles of Designing in Art I*

In this course students will build upon techniques and ideas covered in Principles of Design in Art I. Students will be exposed to further exploration on computer software as well as in-depth projects related to those set forth in Design I. This course is designed to further the students' understanding of the practicality of art in a technological society.

## 3624 EXEMPT PHYSICAL EDUCATION

*GRADES 12*

*1 year—1/2 credit—3 classes per week*

*PREREQUISITE: None*

If after the end of the junior year, a student has successfully completed six (6) seasons of high school athletics, that student may opt out of his/her senior year of physical education and will meet the New Brighton High School Physical Education graduation requirement. Students must pick up a form in Guidance and have coaches' complete forms. Students will not be enrolled without the proper paperwork and will be required to schedule a regular PE class.

## **ART**

*The following courses are designed to challenge and encourage any student who wishes to express feelings and emotions through the visual arts. Students will be encouraged to visualize, appreciate, analyze, and create using a variety of media and tools, including the honorable pencil, enabling them to become creative producers, effective visual communicators and life-long learners, appreciators, and contributors. All students work will be exhibited throughout the year in the ARTSCAPE GALLERY. Each student will maintain a portfolio of the year's work for assessment.*

### **3675 FOUNDATION ART**

*1 year—1 credit*

*PREREQUISITE: None*

This course is a foundation class intended to develop art skill that will enable a student to pursue further art courses; to develop skills that can be used throughout a lifetime; to develop an appreciation of art; and to gain knowledge perfectly suited for further study for such areas as Elementary Education and/or Secondary Education. Work created will be both two-dimensional as well as three-dimensional. (Portfolio)

### **3676 DRAWING/PAINTING/PRINTMAKING**

*1 year—1 credit*

*PREREQUISITE: Completion of Foundation Art*

This course continues with the knowledge gained in Foundation Art and expands on the foundation, giving students a broader range for creative expression and understanding. The work created will be primarily two-dimensional and develop a student's portfolio along that line (Portfolio/Sketchbook).

### **3677 DRAWING/FIBERS/3-D**

*1 year—1 credit*

*PREREQUISITE: Completion of Foundation Art*

This course continues with the knowledge gained in Foundation Art and expands on that foundation, enabling students to create works in a 3-dimensional genre that are both traditional and experimental (Portfolio).

- Children and adults
- Classroom and independent study

The content of ESL includes language skills of speaking, listening, reading and writing. Instructional methods will include small group, one-on-one, and computer-assisted learning programs. The course work is designed to provide grade level English and Literature instruction with appropriate modifications, as well as to provide support for English required in other content area classrooms. This year-long course will replace the English course for the academic year and satisfies the English requirement for graduation.

## **3025 READING STRATEGIES**

*GRADES 9, 10, 11, 12*

*1 year—1 credit*

*PREREQUISITE: Must qualify by testing*

This course provides high school students with a chance to learn and develop a variety of academic reading strategies needed to understand content area curriculum. Reading Strategies offers a mixture of direct instruction, computer-based activities, and small group activities in order to help struggling readers learn and develop strategies for all courses that require reading. The course instruction addresses the Pennsylvania State Standards of Reading and provides practice with PSSA reading material. Upon completion of the course, students will have been exposed to a variety of strategies that they can depend upon and use to comprehend content area subject matter.

## **3027 PERFORMANCE FORENSICS**

*GRADES 9, 10, 11, 12*

*1 year—1 credit or taken as an activity without credit*

*PREREQUISITE: None*

Performance Forensics is a public speaking course based on the Mock trial statewide competition sponsored by the Pennsylvania and Beaver County bar Associations. This course can be taken as an elective for one (1) credit or the student may choose to participate as an activity. It will utilize materials from the PA Bar Association and other material related to any public speaking venues chosen for participation during the school year. The class instruction will be given after regular school hours and in the evening during the second and third nine-week periods. Professional lawyers and other experienced instructors will assist in the instruction. District attendance policies will be applied wherever applicable. A minimum of 70 classroom hours, including performance time, will be required to earn credit for this class.



# MATHEMATICS

*All students, as a requirement for graduation, have to pass , Algebra I , Geometry, and Algebra II. A student may enroll in two (2) math courses simultaneously with teacher approval.*

## **GPA requirements for students selecting the following subjects:**

- For a student in a core Math who plans to enroll in an Honors course, they must have a 90% average in their core Math.
- For a student in a core Math who plans to enroll in AP Calculus, they must have a 93% average in their core Math.
- For a student in an Honors Math who plans to continue in an honors course, they must have a 82% average in their Honors Math.

For a student in an Honors Math who plan to enroll in AP Calculus, they must have an 85% average in their Honors Math.

## **3106 ALGEBRA I**

*GRADES 9*

*1 year—1 credit*

*PREREQUISITE: None*

Algebra is a course that focuses on number operation, patterns, linear relations and functions. The student is expected to read, interpret and formulate a course of action that demonstrates critical thinking, understanding, and problem solving.

## **3107 HONORS ALGEBRA I**

*GRADES 9*

*1 year—1 credit-1.1 weight*

*PREREQUISITE: A score of 85% or better on an Algebra I Readiness Test. Final approval will be determined by a group of teachers, counselors, and administrators.*

Honors Algebra I will cover the same material as Algebra I but at a more rapid pace and at a greater depth. In addition, this course will also cover linear systems and writing of more complex linear equations.

## **3102 ALGEBRA II**

*GRADES 9, 10, 11, 12*

*1 year—1 credit*

*PREREQUISITE: Successful completion of Geometry*

Algebra II is a course in which students apply the basic principles of Algebra I and learn to increase their speed and skill in handling these fundamental processes with an emphasis on practical applications as they pertain to higher levels of mathematics. Students will demonstrate their knowledge and understanding of these processes by participating in oral presentations, written assignments, group projects and individual projects showing they can effectively

## **3612 BOYS PHYSICAL EDUCATION**

## **3613 GIRLS PHYSICAL EDUCATION**

*GRADES 9, 10, 11, 12*

*Each year—1/4 credit—2 days per week*

*PREREQUISITE: None*

The students will participate in various team sports, individual sports, lifetime activities and adventure/outdoor education activities. Upon completion of four years of Physical Education at New Brighton High School, the students will have the skills and knowledge to maintain proper fitness throughout life. Assessment will be done through student participation and teacher observation.

## **3614 FITNESS TRAINING**

*Grades 11 & 12; Co-Ed (maximum enrollment 22 students)*

*1 year - 1/4 credit – 2 days per week*

*PREREQUISITE: No medical conditions limiting participation, Pre-Approved by Mr. Campbell, have not failed PE in high school*

*Course Length: Two (2) times per week for 1 year*

The course is designed primarily to develop a base knowledge on how to design a fitness program that suits your individual needs. Students will participate in a variety of workout programs that include free weight training, running, swimming, yoga, ply metrics, power walking, and other aerobic activities. The course is designed to strengthen the body, build self-esteem, and provide students the knowledge on how to live a quality life. The course will include some classroom settings as the skeletal and muscular systems are explored in depth. A detailed pre and post assessment will be conducted for the students to monitor gains achieved.

## **3623 INDEPENDENT PHYSICAL EDUCATION**

*Independent Option*

*GRADES 12*

*Each year—1/4 credit—2 days per week*

Only seniors may participate in this option. Seniors participating in the program must take an elective in place of scheduled Physical Education for the year. Participating seniors must complete 40 hours of physical activity (documented) under the supervision of a provider and signed off by a school official. The following are only examples: Athletic Sports, Dance, Medical Doctor, Physical/Facility (YMCA), Physical Conditioning Program, Cheerleading with associated physical conditioning, Gymnastics. Independent study contract must be completed and signed by appropriate officials. Independent study must be specialized in an area that the district cannot offer in the realm of our current physical education program. All independent study programs will be approved on the uniqueness of the study. The purpose is to promote overall wellness while permitting senior students the option to meet academic requirements/electives. Students who have been approved for this option will work closely with the Physical Ed Teachers in order to be granted credit.

### 3308 HONORS SPANISH IV

*GRADES 11, 12*

*1 year—1 credit—1.1 weight*

*PREREQUISITE: Completion of Spanish III*

Honors Spanish IV begins with a complete grammar review followed by a continuation of literary study at a higher level. Classes will be conducted in Spanish, encouraging free conversation. By this level, near fluency should have been achieved. The emphasis here is still placed on standard usage with some study of classical Spanish through reading assignments. Cultural study continues, contrasting the differences among Spanish-speaking people themselves through numerous short reading selections.

## **HEALTH AND PHYSICAL EDUCATION**

### 3610 JUNIOR GIRLS HEALTH

*GRADES 10, 11, 12*

*1 year—1/2 credit—3 classes per week*

*PREREQUISITE: None*

The students will be provided with knowledge pertaining to the five components of health. This information will help them to make appropriate decisions regarding their mental and physical development throughout life. Their knowledge will be demonstrated through exams, quizzes, papers, critiques and posters.

### 3611 JUNIOR BOYS HEALTH

*GRADES 10, 11, 12*

*1 year—1/2 credit—3 classes per week*

*PREREQUISITE: None*

The students will be provided with knowledge pertaining to the five components of health. This information will help them to make appropriate decisions regarding their mental and physical development throughout life. Their knowledge will be demonstrated through exams, quizzes, papers, critiques and posters.



communicate mathematically and be effective learners and critical thinkers. Various instructional strategies will be used including cooperative learning, small group instruction, peer teaching, and traditional lecture.

### 3118 HONORS ALGEBRA II

*GRADES 9, 10, 11, 12*

*1 year—1 credit—1.1 weight*

*PREREQUISITE: See requirements at the beginning of the Math section.*

Honors Algebra II is a course designed for those students planning to attend a four-year university and major in a math/science field. It covers in depth all Algebra topics with an emphasis on student centered rather than teacher centered presentation. Cooperative learning, oral presentations and group projects are some of the instructional strategies used in this course.

### 3112 GEOMETRY

*GRADES 9, 10*

*1 year—1 credit*

*PREREQUISITE: Successful completion of Algebra I or Honors Algebra I*

Geometry is a course involving the study of and the relationships that exist in various geometric shapes including lines, angles, triangles, polygons and circles. Emphasis will be placed on logical reasoning and problem solving. Algebra will be integrally used within the course to maintain the students' algebra skills.

### 3117 HONORS GEOMETRY

*GRADES 9,10*

*1 year—1 credit—1.1 weight*

*PREREQUISITE: See requirements at the beginning of the MATH section*

Honors Geometry will cover the same geometric concepts as Geometry but at a more rapid pace and at a greater depth. In addition, more emphasis will be placed on independent learning and discovery. This course is essential for those students planning a math/science degree at a four-year college.

### 3103 TRIGONOMETRY/PRE-CALCULUS

*Grades 9, 10, 11, 12*

*1 year—1 credit—1.0 weight*

*PREREQUISITE: Students must have successful completion of Algebra I, II, and Geometry*

This is a course in which the trigonometric functions are developed from the wrapping function and the unit circle. There is an emphasis on functions and their behavior. Students will use problem-solving techniques to solve problems and apply those techniques to real world situations in both individual and group settings. Also, advanced topics from Algebra will be dealt with during the first semester.

**3104 HONORS TRIGONOMETRY/PRE-CALCULUS***GRADES 9, 10, 11, 12**1 year—1 credit—1.1 weight**PREREQUISITE: Successful completion of Algebra I, Algebra II and Geometry*

This course will cover the same material as Trigonometry/Pre-Calculus but at a more rapid pace and at greater depth. In addition, this course will also cover Arithmetic/Geometric sums and a series, as well as limits and their properties.

**3105 HONORS CALCULUS***GRADES 10, 11, 12**1 year—1 credit—1.1 weight**PREREQUISITE: Students must have a GPA of at least 3.0 and successful completion of Trigonometry/Pre-Calculus*

The first semester explores some of the concepts of discrete mathematics. The second semester provides the student with an introduction to the study of calculus. Students will determine maximum and minimum points on a graph and interpret the results in problem situations. Students will analyze rational, radical and transcendental functions in both individual and group settings. Assessments will be made through oral and written evaluations.

**3111 AP CALCULUS (Calculus AB)***GRADES 11, 12**1 year—1 credit**PREREQUISITE: See requirements at the beginning of the MATH section*

Advanced Placement Calculus is our most rigorous course offering and should be taken by any student anticipating a career in engineering (or related field). It is a fast-paced curriculum that deals in depth with applications of different calculus. These topics include, but are not limited to: Limits, differentiation, curve-sketching, transcendental functions, maxima-minima problems, and related rates. The integral calculus portion of the course deals with differential equations the definite integral, area between curves, volumes by revolving and slicing, volumes modeled by washers and cylinders, and the natural logarithm (differentiating and integrating). Students are encouraged to take the AP exam in May.

**3119 STATISTICS***GRADE 12 ONLY**1 year—1 credit**PREREQUISITE: Successful completion of Algebra II*

Statistics acquaints students with major concepts and tools for collecting, analyzing and drawing conclusions from data. Students will frequently work on projects involving hands-on gathering and analysis of real world data. Computers and calculators will allow students to focus deeply on concepts

**3310 JAPANESE I***GRADES 9, 10, 11, 12**1 year—1 credit**PREREQUISITE: None**NOTE: Japanese I will be offered in alternating years with Japanese II*

Japanese I students will communicate in Japanese, gain a knowledge and understanding of Japanese culture, connect with other disciplines, make comparisons into the nature of language and culture, and investigate multilingual communities. Using a communicative teaching approach, students will express themselves in Japanese at the Novice level on topics such as self, school, interests and activities, family and day to day living skills. Students will be introduced to the *hiragana* writing script, and basic *kanji*.

**3305 SPANISH I***GRADES 9, 10, 11, 12**1 year—1 credit**PREREQUISITE: None*

Spanish I students will read, interpret, analyze, and write Spanish phrases and communicate with each other on an introductory level, focusing on the fundamentals of pronunciation, grammar, and reading. The students will learn these skills by the use of cooperative learning, writing samples, teacher observation, and dialogue practice. The students will demonstrate competency by engaging in group conversation and through individual responses.

**3306 SPANISH II***GRADES 9, 10, 11, 12**1 year—1 credit**PREREQUISITE: Spanish I*

This course is designed to provide the students with a general grammatical review of Spanish I and an introduction of some of the finer points of Spanish grammar. In Spanish II, students will effectively communicate in simple face-to-face conversations and interpret, analyze, and respond to common questions. The students will acquire the skills necessary for this through videotape, interviews, role play and real life simulations. The students will achieve competency at the previously agreed upon assessment level throughout the year.

**3307 SPANISH III***GRADES 10, 11, 12**1 year—1 credit**PREREQUISITE: Spanish II*

This course is designed primarily to develop fluency while continuing to strengthen the students' understanding of Spanish grammar with literary selections. In Spanish III, students can narrate information in formal and informal settings. The students will acquire the skills necessary to perform the competencies required through teacher-student conversations, role play, simulations, narrations, and group projects. The students attain proficiency when they can be understood without difficulty by speakers unaccustomed to non-native speakers.

view videotapes, listen to audiotapes, and write short compositions. They will demonstrate competencies by participating in small group conversation, critique of written material, and response to verbal communication by the teacher and native speakers on audio tapes.

### 3302 FRENCH II

*GRADES 9, 10, 11, 12*

*1 year—1 credit*

*PREREQUISITE: French I*

Students will continue to utilize strategies and demonstrate the outcomes described in French I at an intermediate mastery level. Students will be expected to think critically in the target language and analyze and interpret more proficiently in both written and spoken French. Students will demonstrate competency by participation in guided conversation, critique of written material and response to explanations and directions in the target language.

### 3303 FRENCH III

*GRADES 10, 11, 12*

*1 year—1 credit*

*PREREQUISITE: French II*

French III students further develop the listening, speaking, reading and writing skills acquired from French I and 2. Through the study of more complex grammatical structures, students will communicate more effectively in the target language. Role-play, simulation of real life experiences, and discussion of readings and videos further enhance fluency in the language. Students explore the geography, history, and culture of francophone countries in the target language. Students further connect the language with other disciplines, compare French language and culture with our own, and are encouraged to correspond with native French speakers through a pen-pal program.

### 3300 HONORS FRENCH IV

*GRADES 11, 12*

*1 year—1 credit-1.1 weight*

*PREREQUISITE: French III and permission from French Teacher*

Honors French IV refines the listening, speaking, reading, and writing skills developed in the three years of prior study. The class is conducted in French and students gain the confidence to communicate freely. Study of more complex grammatical structures furthers the ability of the students to communicate at a high performance level. Students explore the history, art, literature, and contemporary issues of francophone countries in the target language. Students are required to communicate with a native French speaker (pen-pal). The French teacher acts as facilitator in this class.

involved in statistics. This course is recommended for students who anticipate research as part of their college studies and work experience. An introduction to probability will also be taught in this course.

### 3109 APPLIED MATH

*GRADE 12 ONLY*

*1 year—1 credit*

*PREREQUISITE: A student must have three math credits to be eligible to take applied math*

This course emphasizes the applications of mathematical methods and concepts to a variety of real life situations. At the conclusion of the course, students will demonstrate their ability to calculate their wages, file tax returns, purchase a car, buy a house, along with other money management techniques. Students working independently and in groups will gather and interpret information from a variety of resource materials and then communicate their discoveries to their fellow students. Students will be assessed through the use of teacher observations, writing samples, completed applications, and testing.

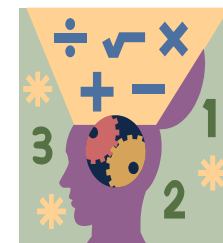
### 3122 PSSA Math

*GRADES 11, 12. Counts as elective.*

*1 year—1 credit*

*PREREQUISITE: Enrollment in this class will be based on 4Sight Benchmark and PSSA test scores.*

PSSA Math will cover and reinforce the topics required to successfully pass the state PSSA test. Topics will include Algebra, Geometry, and Statistics which are required knowledge for the PSSA test. If Seniors receive proficiency on the PSSA retest, they will be placed in a study hall.



## ***SOCIAL STUDIES***

### **GPA requirements for students selecting the following subjects:**

- For a student in a core Social Studies who plans to enroll in an Honors course, they must have a 90% average in their core Social Studies
- For a student in a core Social Studies who plans to enroll in AP European History, they must have a 93% average in their core Social Studies
- For a student in an Honors Social Studies who plans to continue in an Honors course, they must have a 82% average in their Honors Social Studies
- For a student in an Honors 20th Century U.S. History who plan to enroll in AP European History, they must have an 85% average in their Honors 20th Century U.S. History

### **3210 ECONOMIC GEOGRAPHY/AMERICAN CIVICS**

*GRADE 9*

*1 year—1 credit*

*PREREQUISITE: None*

Students analyze, interpret, and evaluate various economic and geographic issues and influences throughout the world, including the early founding of Pennsylvania. They will work individually and in cooperative groups, sharing pertinent information with each other, as they identify the problems and debate the solutions. Students will be required to do research, oral reports, and projects. Ultimately, students will be asked to make connections between economic and political ideas and systems from the past and present and predict future trends.

### **3209 HONORS ECONOMIC GEOGRAPHY/AMERICAN CIVICS**

*GRADE 9*

*1 year—1 credit—1.1 weight*

*PREREQUISITE: See requirements at the beginning of the Social Studies section*

Students taking this course are expected to demonstrate their understanding of Economic Geography/American Civics at a much higher level. Independent research and oral presentations will be emphasized so they can prepare for future honors courses. Assessment will be based on written tests, class group work, independent study, and oral presentations.

### **3550 APPLIED COMMUNICATIONS I 3551 APPLIED COMMUNICATIONS II 3552 APPLIED COMMUNICATIONS III**

*GRADES 10, 11, 12*

*3 years—3 credits*

*PREREQUISITE: Advisor's preapproval*

A one, two or three year course in which class members produce the school yearbook and the school newspaper. Knowledge and application of the computer and various software programs is required. Originality, creativity, preciseness, and critical thinking skills are essential in both layout design and the writing process involved in the production of these publications. This course cannot be substituted for any of the required English courses. Students will be expected to work as a staff on the school yearbook and/or school newspaper.

### **3529 INVESTING AND FINANCE**

*GRADES: 12*

*1 year – 1 credit*

#### **Investing in the Stock Market (Semester One)**

Students will learn the basics of investing in the stock market through the Stock Market Game (SMG). SMG is a comprehensive, engaging, real-world program that advances student academic achievement in the core disciplines while providing an understanding of investment concepts. Working in teams, students will develop valuable processing skills, such as time management, decision-making, consensus building, and cooperation. Students will learn about business organizations, capital formation, marketing, finance, budgeting, personal finance, consumerism, and the securities industry.

#### **Personal Finance (Semester Two)**

Students will learn to establish good financial management habits. They will learn the basic skills for managing their own personal financial affairs. The class will cover investing in one's own human capital, developing a banking relationship, understanding credit and debt, and creating a budget. These skills will help students build financial success later in life by developing good financial management habits.

## ***LANGUAGE***

### **3301 FRENCH I**

*GRADES 9, 10, 11, 12*

*1 year—1 credit*

*PREREQUISITE: None*

Students in French I will compare cultures, discriminate and repeat sounds in French pronunciation, read and interpret, write imitatively, analyze both spoken and written phrases, and communicate effectively at a novice level. Using strategies like collaborative learning, students will role play, present dialogues,

## **3528 SPREADSHEETS AND DATABASES**

**Microsoft Excel and Access**

**MOUS Certification Preparation**

*GRADES 9, 10, 11, 12*

*1 year—1 credit*

*PREREQUISITE: None*

This course is designed to develop students' competencies in computer applications by using Microsoft Excel and Access. Students will develop their application skills by creating a variety of spreadsheets and databases to solve real work problems. This will be done through problem-solving and simulations designed to expose students to situations they may encounter upon graduation. Students will demonstrate their competency in the use of the computer by successfully completing several individual projects. This course will prepare students for Microsoft Office User Specialist testing and certification. This course satisfies the requirements for the articulation agreement with the Art Institute of Pittsburgh.

## **3536 COMPUTER APPLICATIONS**

*GRADES 9, 10, 11, 12 (Highly recommended for Grade 9)*

*1 year—1 credit*

*PREREQUISITE: None*

Computer Applications is an excellent overview of basic computer applications including word processing, spreadsheets, database, desktop publishing, graphic presentations, Internet research, and programming. Students will continue to develop their keying skills with a review of the keyboard. The class also covers computer ethics, terminology, hardware basics, Microsoft Windows operating system, networking basics, disk management, and file organization. The course is organized into sections that will let students explore various career tracks in technology. Upon completion of this course, the students will be able to use their skills in personal, school, home, and career-related situations.

## **3757 CAREER SKILLS**

*GRADES 9, 10, 11, 12*

*1 year—1 credit*

*PREREQUISITE: None*

This course is designed to assist students in improving their reading and math skills for potential employment. Students will explore their interests and abilities for specific careers by utilizing the Keys-2-Work computer program, small group activities, and direct instruction.

## **3203 WORLD CULTURES**

*GRADE 10*

*1 year—1 credit*

*PREREQUISITE: Completion of Economic Geography/American Civics*

The World Cultures course is designed to encourage students to develop learning, thinking, and communicative skills through the study of various cultures. Students will analyze and evaluate information and develop a respect for different belief/value systems. Students will also analyze the effects of geography on the development of a culture or civilization. Through the interpretation and evaluation of historic events, students will become aware of cause/effect relationships that influence their lives. The students will demonstrate learning competencies by sharing ideas with each other, contributing to group projects, preparing research papers that defend their conclusions, and teaching within small groups and in a class setting. Students will take on the role of problem finders and solvers by creating solutions

## **3204 HONORS WORLD CULTURES**

*GRADE 10*

*1 year—1 credit—1.1 weight*

*PREREQUISITE: See requirements at the beginning of the Social Studies section*

The outcomes for this course are similar to those stated in World Cultures except that students will demonstrate a deeper understanding of problems and solutions through debate and active participation. Assessments will include oral and written assessments, teacher observation, and student conferencing.

## **3211 20th CENTURY U.S. HISTORY**

*GRADE 11*

*1 year—1 credit*

*PREREQUISITE: Completion of World Cultures*

This course begins with the Progressive Era and runs to the present time. The students will demonstrate a basic knowledge of their heritage and the Constitution with special emphasis on concepts dealing with citizenship. They will read, interpret, organize, and analyze written material, then show a written evaluation of this material. They will show respect for one another's property, ideas, and beliefs as they communicate in cooperative learning groups. Student work ethic will be reinforced and student responsibility will be stressed for themselves, their actions, and their work. Cause and effect relationships will be developed throughout the course, and a concerted effort will be made to have the students take past historical information and events and make them pertinent to their lives today. Students will be assessed through teacher observation, student observation, written tests and quizzes, group and individual projects, written exercises, maps and drawings, political cartoons, comparisons, and debates.

## **3212 HONORS 20th CENTURY U.S. HISTORY**

*GRADE 11*

*1 year—1 credit—1.1 weight*

*PREREQUISITE: See requirements at the beginning of the Social Studies section*

Students taking this course are expected to demonstrate their understanding of the same outcomes as stated in 20th Century U.S. History but at a more sophisticated level. Students' expressed views will be developed on present topics based on past historical events. Special concentration on research projects will help students prepare for college. Assessments will include teacher and student observation, written tests and quizzes, group and individual projects including maps and drawings, political cartoons, comparisons and debates. A major research project with oral presentation is required.

## **3216 ECONOMICS/P.O.D./Psychology/Sociology**

*GRADE 12*

*1 year—1 credit*

*PREREQUISITE: None*

In this course, students will experience the interrelationships between Economics, Problems of Democracy, and Psychology. Students will demonstrate their knowledge of basic economics including economic theories, banking, credit, taxes, investments, and the production, buying, and selling of goods. P.O.D. will include the structure, logistics, advantages, disadvantages, and procedures of the Federal, State, and Local Governments. Psychology will include learning and personality theories, skills for maintaining physical and emotional well being. Sociology will include human interactions within society. Students will be assessed through written tests, teacher observations, and projects that relate to real life situations in all domains.

## **3217 AP EUROPEAN HISTORY**

*GRADE 12*

*1 year—1 credit—1.2 weight*

*PREREQUISITE: See requirements at the beginning of the Social Studies section*

This course begins with an examination of conditions that occurred prior to the 15th century including: The plague, the Great Schism, and the 100 Years War. The course will cover various topics in European History including the Renaissance, Reformation, Enlightenment, and Scientific Revolution, Elizabethan England, Napoleonic France, along with the development of national cultures, the evolution of philosophical, political, sociological, and ideological theories, religious changes, and changing governmental structures. This course requires major analysis of historical documents, ongoing outside reading and writing, and continued higher level in-class situations. Those students enrolled in the course are encouraged to take the AP European History Exam in May.

## **3506 ACCOUNTING II**

*GRADES 11, 12*

*1 year—1 credit*

*PREREQUISITE: Accounting I*

The accounting skills acquired in Accounting I will be expanded this year. Emphasis is placed on the corporate form of business, analysis of case studies and business simulations. Students continue applications of accounting principles using realistic software for problem solving. Greater depth in specialized accounting, partnership accounting, and departmentalized accounting is studied with students using spreadsheets and financial analysis.

## **3526 PROGRAMMING I**

*GRADES 9, 10, 11, 12*

*1 year—1 credit*

*PREREQUISITE: Integrated Math—85% Average*

This course is designed to develop basic skills in the use and programming of micro-computers. Using Basic and Visual Basic and/or other language as may be appropriate, students will read and interpret, analyze, apply algebraic concepts, and evaluate information. Students will acquire the skills necessary to perform these competencies through cooperative learning lessons, advanced organizers, research projects, anecdotal records, written reports, simulations, and completed applications. Students will demonstrate their ability to exit the course by completing a group application program that meets the criteria agreed upon by students and teachers.

## **3532 PROGRAMMING II**

*GRADES 10, 11, 12*

*1 year—1 credit*

*PREREQUISITE: Programming I*

This course is designed to develop advanced skills in programming microcomputers. Using Basic and Visual Basic and/or other languages, apply algebraic concepts as may be appropriate, the students will read and interpret, analyze, organize, and evaluate information, then transfer this information to other content areas. The students will acquire the skills necessary for completing this course through the use of cooperative learning, research projects, self-assessment, group projects, and application assimilations. Students will exit this course by completing the application simulation that meets the previously agreed upon assessment total.

### **3420 GENERAL SCIENCE**

*GRADES 11 and 12*

*1 year—1 credit—1.0 weight—5 periods per week*

*PREREQUISITE: Principal Approval. Students that have taken or are currently taking Chemistry or Physics can not take this course.*

The following are the essential learning's that will be covered in this course:

- Understand the relationships among the elements in the Periodic Table.
- Understand the reactions of atoms and molecules.
- Understand the significance of the conservation laws.
- Understand electricity and magnetism.
- Understand the laws of force and motion.
- Understand wave characteristics and their applications.

### **3419 THE WAY SCIENCE WORKS**

*GRADES 11, 12*

*1 year—1 credit*

*PREREQUISITE: Biology and Chemistry*

This class is designed as an event-based science class. In this course students will:

Discuss disease, disease prevention, forensic science, microbiology.

Use the scientific method to solve problems.

Relate science concepts to current events.

Explore science careers.

## ***BUSINESS & INFORMATION MANAGEMENT***

*All students, as a requirement for graduation, have to pass a computer course.*

### **3505 ACCOUNTING I**

*GRADES 10, 11, 12*

*1 year—1 credit*

*PREREQUISITE: None*

Students will develop an understanding of accounting and bookkeeping procedures by providing experiences in business transactions, debits and credits, and the use of business papers, journals, and ledgers in practical and realistic activities. In addition to manual accounting procedures, certain problems will be generated on the microcomputer, thus introducing computerized accounting procedures to first-year students. Upon completion of the course, students are expected to demonstrate their understanding of the complete accounting cycle and begin to see how this course will continue to build Accounting II.

### **3205 INTRODUCTION TO U.S. LAW**

*GRADE 12*

*1 year—1 credit*

*PREREQUISITE: See requirements at the beginning of the Social Studies Section*

Introduction to Law is designed to engage high school students in a critical examination of their legal responsibilities and rights. The ultimate goal of the program is to provide high school students with a sense of belonging in society through empowerment with knowledge of the law. By providing students with a non-adversarial view of the law, Intro to Law works to impart an understanding of the fundamental principles of authority, fairness, justice and responsibility that underlie our legal system. The class will begin with an introduction into the legal system. From there we will examine the four main types of law: Criminal Law, Constitutional Law-Individual Rights, Consumer Law and Civil Law. We will also explore a variety of careers that are related to the field of law, such as: attorneys, police officers, corrections officers, judges and parole officers just to name a few. The class will consist of work from the book, role playing-mock trials, public speaking presentations, research based activities and a variety of other activities. We will attempt to have a wide range of local law and law enforcement experts come into the class as guest speakers. This class is designed to introduce students to their legal rights and responsibilities.

### **3201 HISTORY AND FILM**

*Grades 10, 11, 12*

*1 year – 1 credit*

*Prerequisites: Successful completion of current core social studies, class; teacher recommendation.*

This course will examine the relationship between movies and history. For 100 years, Hollywood has been interpreting and presenting historical events. They have shaped our images and viewpoints towards history. This class is will explore the historical events behind some of Hollywood's great films as well as to critically examine how accurately Hollywood has done its job. The course will ask a number of questions. How accurate are certain movies? Have films impacted or shaped public opinion? How are movies used as propaganda? How has Hollywood changed American culture? How well do movies teach us about certain historical time periods and themes? The course will use classic movies, black and white, silent films, as well as modern-day blockbusters. The course will emphasize the use of analysis, critical thinking, writing skills, as well as real life applications such as project development and 21<sup>st</sup> century technology skills. This class is an elective and is not intended to replace the regularly scheduled Social Studies class. If electing this course, you must still schedule Social Studies.

# SCIENCE

A student may enroll in two (2) science courses simultaneously under the following provisions:

1. A student must have science teacher approval.
2. A student did not previously fail either course.

**All ninth graders will take and pass the Honors Biology and Lab or Biology. Any student taking and passing three (3) science courses that have an associated laboratory period will meet the New Brighton High School science graduation requirement.**

## GPA requirements for students selecting the following subjects:

- For a student in a core Science who plans to enroll in an Honors course, they must have a 90% average in their core Science
- For a student in a core Science who plans to enroll in AP Biology or AP Chemistry, they must have a 93% average in their core Science
- For a student in an Honors Science who plans to continue in an Honors course, they must have a 82% average in their Honors Science
- For a student in an Honors Science who plans to enroll in AP Biology or AP Chemistry, they must have an 85% average in their Honors Science

## 3423 BIOLOGY

GRADE 9

1 year—1 credit—1.0 weight—5 periods per week

PREREQUISITE: None

The following are the essential learning's that will be covered in this course:

- Understand that cells are the fundamental unit of structure and function for all living things.
- Understand the molecular basis of heredity.
- Understand that the structure and function of body systems and their interdependence.



## 3403 PHYSICS

GRADES 11, 12

1 year—1 credit—1.0 weight—5 periods per week

PREREQUISITE: Successful completion of 9th and 10th grade science courses and Integrated Math.

The following are the essential learning's that will be covered in this course:

- Understand electricity and magnetism.
- Understand motion in the physical world.
- Understand fundamental forces.
- Understand wave characteristics and their applications.

## 3410 HONORS PHYSICS & LAB

GRADES 11, 12

1 year—1 credit—1.1 weight—7 periods per week

PREREQUISITE: See requirements at the beginning of the Science section and must have Integrated Math.

The following are the essential learning's that will be covered in this course:

- Understand electricity and magnetism
- Understand motion in the physical world.
- Understand fundamental forces.
- Understand wave characteristics and their applications.

## 3427 INTEGRATED SCIENCE

GRADES 10 only

1 year—1 credit—1.0 weight—5 periods per week

PREREQUISITE: Successful completion of Integrated Math.

The following are the essential learning's that will be covered in this course:

- Understand the interdependence of abiotic and biotic factors of ecosystems.
- Understand the conservation and flow of energy within ecosystems.
- Understand the impact that humans have on the natural processes in ecosystems.
- Use Pennsylvania specific examples to connect with content.

## 3414 THE EARTH IN SPACE

GRADES 11, 12

1 year—1 credit—1.0 weight—5 periods per week

PREREQUISITE: Successful completion of 9th and 10th Grade science courses.

The following are the essential learning's that will be covered in this course:

- Understand applications of chemical reactions in the real world.
- Understand the composition, structure, and formation of the universe.
- understand meteorological processes and forecasting based on analysis.
- Understand Earth's materials and the processes that, over time, shape the surface.
- Understand the motions of the objects in the solar system

### 3426 HONORS CHEMISTRY & LAB

GRADES 10, 11, 12

1 year—1 credit—1.1 weight—7 periods per week

*PREREQUISITE:* See requirements at the beginning of the Science section and successful completion of Algebra I

The following are the essential learning's that will be covered in this course:

- Understand the relationships among the elements in the Periodic Table.
- Understand the four fundamental states of matter.
- Understand the microscopic structure of matter.
- Understand wave characteristics and their applications.
- Understand the reactions of atoms and molecules.
- Understand how to solve problems relating to moles.
- Understand how to name and write chemical formulas.
- Understand how to name and write chemical equations and the relationships that exist between chemical equations.
- Understand how to use the gas laws and relate them to the kinetic molecular theory.
- Understand how to determine the concentrations of solutions and use colligative properties.

### 3422 AP CHEMISTRY & LAB

GRADES 11, 12

1 year—1 credit—1.2 weight—8 periods per week

*PREREQUISITE:* See requirements at the beginning of the Science section

The following are the essential learning's that will be covered in this course:

- Understand the relationships among the elements in the Periodic Table.
- Understand the four fundamental states of matter.
- Understand the microscopic structure of matter.
- Understand wave characteristics and their applications.
- Understand the reactions of atoms and molecules.
- Understand the relationships between thermodynamic properties, kinetics, electro chemistry, acid-base reactions and colligative properties.
- Understand simple organic chemistry functional groups and nomenclature

*Students enrolled in this class are expected to take the AP Chemistry exam in May. The cost for the exam is about \$85.*

### 3424 HONORS BIOLOGY & LAB

GRADE 9

1 year—1 credit—1.1 weight—7 periods per week

*PREREQUISITE:* See requirements at the beginning of the Science section

The following are the essential learning's that will be covered in this course:

- Understand that cells are the fundamental unit of structure and function for all living things.
- Understand the molecular basis of heredity.
- Understand that the diversity of life is the result of evolution.
- Understand the structure and function of body systems and their interdependence.
- Understand the structure and function of plants.

### 3425 AP BIOLOGY & LAB

GRADES 11, 12

1 year—1 credit—1.2 weight—8 periods per week

*PREREQUISITE:* Successful completion of Biology and Chemistry. Teacher recommendation.

The following are the essential learning's that will be covered in this course:

- Understand that cells are the fundamental unit of structure and function for all living things.
- Understand the molecular basis of heredity.
- Understand that the diversity of life is the result of evolution.
- Understand the structure and function of body systems and their interdependence.
- Understand the structure and function of plants.
- ♦ *All students are expected to take the AP Biology Exam in the spring, paid for by the school district..*

### 3401 CHEMISTRY

GRADES 10, 11, 12

1 year—1 credit—1.0 weight—5 periods per week

*PREREQUISITE:* Successful completion of Integrated Math.

The following are the essential learning's that will be covered in this course:

- Understand the relationships among the elements in the Periodic Table.
- Understand the four fundamental states of matter.
- Understand the microscopic structure of matter.
- Understand wave characteristics and their applications.
- Understand the reactions of atoms and molecules.
- Understand how to solve problems relating to moles.
- Understand how to name and write chemical formulas.
- Understand how to name and write chemical equations and the relationships that exist between chemical equations.