Lindenhurst High School

Course Offerings

2014 - 2015
Dear Lindenhurst Students and Parents:

This Course Offering Book will assist you in planning your educational program at Lindenhurst High School. It includes directions for filling out the student scheduling request forms and descriptions of each course offered at Lindenhurst High School. Please use the tentative student program form, located in the back of this catalogue as a worksheet for selecting your courses.

In planning your program, you should carefully read the descriptions and consult with Department Coordinators/Chairpersons for further information concerning course content.

Each student will meet with his or her counselor in a group session to discuss the use of this Course Offering Book and the requirements for Graduation. Within two weeks after this group session, your counselor will meet with you again concerning your program for the coming year. You should have your proposed schedule at this meeting. Your counselor will be available to meet with you for a few weeks after that to make any changes that may be necessary.

In the spring of 2014 a listing of your proposed courses for 2014-2015 will be mailed home. THERE WILL BE A DEADLINE FOR MAKING ANY ADDITIONAL CHANGES. BE SURE YOU CAREFULLY SELECT YOUR COURSES IN COLLABORATION WITH YOUR COUNSELOR.

If you have any questions regarding this scheduling process, do not hesitate to contact your counselor. Good luck as you plan a challenging program for next year!

Sincerely,

Daniel E. Giordano

Daniel E. Giordano
Principal
Dear Students:

Lindenhurst Senior High School offers a broad selection of courses designed not only to fulfill your graduation requirements, but also to explore your interests and special talents. Course selection is an opportunity for you to decide which courses you may want to pursue and to discuss these choices with your parents, teachers, and counselors. This process is designed to help you to focus upon future educational and career goals.

This Course Offering Book will familiarize you with the courses offered at Lindenhurst Senior High School and the requirements for graduation prescribed by the New York State Education Department and your local school board. Our primary district goal is to prepare our students to be college and career ready upon graduation from the Lindenhurst Public Schools.

We encourage you to select a program that will provide a series of challenging experiences that will point to future success. Please read the course descriptions and pre-requisites carefully and further develop your decision-making skills by selecting courses that will benefit you now and later in life.

We look forward to working with you on your course selections. Best wishes for a successful school year!

Sincerely,

Barbara A. Donnellan

Barbara A. Donnellan, Ed. D.
Coordinator of Guidance
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<td>ALC</td>
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<td>Public Notification</td>
<td>100</td>
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REGISTRATION NOTES

1. Be sure that you check the grade level and prerequisite for each course you select.

2. Be sure you have the teacher's recommendation, if required.

3. Use the “KEY” below to determine the level of courses you select. The symbol can be found next to the course title in the Course Offering Book.

** = Meets one credit graduation requirement in Art/Music
+ = Weighted Grades (1.05) Honors Level Course
± = Weighted Grades (1.075) College Level Course – College Tuition Fees Apply
++ = Weighted Grades (1.10) Advanced Placement Course

GENERAL INFORMATION

1. It is the student's and parent/guardian's responsibility to be aware of the grade status and to select, with the assistance of the counselor, an appropriate course sequence toward graduation. It cannot be too strongly emphasized that the minimum requirements for graduation from high school do not fulfill the minimum requirements for admission to all colleges or necessarily give the student a marketable skill. Early and continuing consultation with the student's guidance counselor is important in structuring a program in line with the individual student's abilities and future goals.

2. If a student fails any course(s), summer school should be considered. Generally a student has the opportunity to repeat two courses in summer school. Students with several failures jeopardize their opportunity to be classified at the next grade level and to ultimately graduate with their class.

3. PROMOTION:
   To be promoted to the next grade level, students must have earned:
   a. GRADE 10 ... 5 UNITS
   b. GRADE 11 ... 10 UNITS
   c. GRADE 12 ... 15 UNITS
Appointments to see counselors may be made with a secretary in the Guidance Office. Students are encouraged to make appointments in advance; however, students may always see a counselor if there is an emergency.

GUIDANCE DEPARTMENT - SENIOR HIGH SCHOOL

The counselor assignments/phone numbers are:

Dr. B. Donnellan .......... 867-3750 .......... COORDINATOR OF GUIDANCE
Ms. S. Cooperstein ........... 867-3750 .......... C—11th Gr. Only, L, O & Various Letters
Ms. S. Heaney ................. 867-3750 .......... I, P, Q, S—9th Gr Only, T, U, V & Y
Ms. L. Levy .................. 867-3750 .......... M & R
Ms. A. Hocoluk ............. 867-3750 .......... S—Grs. 10, 11 & 12, Z & Various Letters
Ms. A. Ricciardi ............. 867-3750 .......... C—9th, 10th & 12th Grs. Only and G
Mr. J. Rossillo .............. 867-3750 .......... E, F, H, N & W
Mr. M. Ward ................. 867-3750 .......... A, B—10th, 11th, & 12th Grs. Only, ESL & ALC
Ms. C. Walsh ................. 867-3750 .......... TRANSITION GUIDANCE COUNSELOR

GUIDANCE DEPARTMENT – MIDDLE SCHOOL

The counselor assignments/phone numbers for 8th graders are:

Dr. B. Donnellan .......... 867-3550 .......... COORDINATOR OF GUIDANCE
Mr. J. Colagiacomo ....... 867-3550 .......... J, L, P, S, F & W
Ms. T. Harris ................. 867-3550 .......... A, C, E, H, I, N, & T
Mr. D. Figalora .............. 867-3550 .......... B, G, K, O, D
### GRADUATION REQUIREMENTS – UNITS OF CREDIT

*(Students entering 9th grade September 2008 or thereafter)*

<table>
<thead>
<tr>
<th>Diploma with Designation</th>
<th>Local Diploma &amp; Regents Diploma</th>
<th>Regents Advanced</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ENGLISH</strong></td>
<td>4 UNITS</td>
<td>4 UNITS</td>
</tr>
<tr>
<td><strong>SOCIAL STUDIES</strong></td>
<td>4 UNITS</td>
<td>4 UNITS</td>
</tr>
<tr>
<td><strong>MATHEMATICS</strong></td>
<td>3 UNITS (a)</td>
<td>3 UNITS (a)</td>
</tr>
<tr>
<td><strong>SCIENCE</strong></td>
<td>3 UNITS (a)</td>
<td>3 UNITS (a)</td>
</tr>
<tr>
<td><strong>SECOND LANGUAGE (LOTE)</strong></td>
<td>1 UNIT</td>
<td>1 UNIT (b)</td>
</tr>
<tr>
<td><strong>ART and/or MUSIC</strong></td>
<td>1 UNIT</td>
<td>1 UNIT (b)</td>
</tr>
<tr>
<td><strong>HEALTH</strong></td>
<td>1/2 UNIT</td>
<td>1/2 UNIT</td>
</tr>
<tr>
<td><strong>PHYSICAL EDUCATION</strong></td>
<td>2 UNITS</td>
<td>2 UNITS</td>
</tr>
<tr>
<td><strong>Sequence Req.’s. and/or Electives</strong></td>
<td>3 1/2 UNITS</td>
<td>4 1/2 UNITS (b)</td>
</tr>
</tbody>
</table>

| TOTAL REQUIRED          | 22 UNITS                       | 22 UNITS         |

The total *minimum* number of credits required for graduation is 22.

**NOTATIONS:**

- **a** = A commencement-level course in technology education may be used as the third unit of credit in science or mathematics, but not both.

- **b** = To earn the advanced designation, a student must complete one of the following: a language other than English (3 units of credit); career/technical education (5 units of credit); or the arts (5 units of credit).
**GRADUATION REQUIREMENTS – EXAMINATIONS**

* (Students entering 9th grade September 2008 and thereafter)  
*Must pass Regents exams as indicated below:  
*(Passing Score = 65)*

**REQUIRED**

<table>
<thead>
<tr>
<th>Regents Exams Designation</th>
<th>Local Diploma</th>
<th>Regents Diploma</th>
<th>Advanced Regents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comprehensive English</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Integrated Algebra</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Geometry</td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Algebra 2/Trig</td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Global History Geography</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>U.S. History</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Science</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>2nd Science</td>
<td></td>
<td></td>
<td>✓</td>
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</tbody>
</table>

Regents exams in science are Living Environment (Biology), Earth Science, Chemistry, Physics.

**Second Language (LOTE)**  
(Checkpoint B Exam Formerly Regents Exam)  

✓

* Special Education students have an additional safety net.
NCAA GUIDELINES FOR STUDENTS WHO PLAN TO COMPETE IN COLLEGE ATHLETICS

Each year, scholar-athletes from Lindenhurst High School attend college and wish to participate in the sport of their choice. In order to participate these students have chosen an academic program in high school that will permit them to qualify under the rigorous requirements set forth by the NCAA Eligibility Center. On this page, and on the pages to follow, is the list of approved core courses for Lindenhurst High School, as well as the eligibility standards to help you on your way to a successful college athletic experience.

Approved courses as of NOVEMBER 2013:

ENGLISH LANGUAGE ARTS

<table>
<thead>
<tr>
<th>English 9</th>
<th>English 11</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 10</td>
<td>English 12</td>
</tr>
<tr>
<td>AP English Language</td>
<td>AP English Literature</td>
</tr>
<tr>
<td>Creative Writing</td>
<td>Drama</td>
</tr>
<tr>
<td>Dowling English [Principles of Writing]</td>
<td>Dowling English [Intro. to Literature]</td>
</tr>
</tbody>
</table>

MATHEMATICS

<table>
<thead>
<tr>
<th>Integrated Algebra</th>
<th>Dowling Statistics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geometry</td>
<td>Dowling Pre-calculus</td>
</tr>
<tr>
<td>Algebra 2/Trigonometry</td>
<td>Dowling Calculus</td>
</tr>
<tr>
<td>Algebra 2 Year 1/Year 2 (.5 credit)</td>
<td>AP Calculus AB</td>
</tr>
<tr>
<td>Pre-calculus</td>
<td>Intermediate Algebra</td>
</tr>
<tr>
<td>Calculus</td>
<td></td>
</tr>
<tr>
<td>Statistics &amp; Data Analysis</td>
<td></td>
</tr>
</tbody>
</table>

NATURAL/PHYSICAL SCIENCE

<table>
<thead>
<tr>
<th>Earth Science</th>
<th>Earth Science 11</th>
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<tbody>
<tr>
<td>Living Environment Prep I</td>
<td>Forensic Science</td>
</tr>
<tr>
<td>Living Environment Prep II</td>
<td>Dowling College Biology 1</td>
</tr>
<tr>
<td>Living Environment</td>
<td>Dowling College Biology 2</td>
</tr>
<tr>
<td>Chemistry</td>
<td>AP Biology</td>
</tr>
<tr>
<td>Environmental Science</td>
<td>AP Environmental Science</td>
</tr>
<tr>
<td>Marine Biology/Oceanography</td>
<td>AP Chemistry</td>
</tr>
<tr>
<td>Physics</td>
<td>AP Physics</td>
</tr>
</tbody>
</table>
SOCIAL STUDIES

Global History 9
Global History 10
World History 1
Political Theory
United States History
Government & Economics

Dowling Political Science 1
Dowling Political Science 2
Psychology A (.5 credits)
Psychology AB (1 credit)
AP World History
AP US History
AP Government & Politics
AP Psychology

ADDITIONAL COURSES

French A1 (.5 credits)
French A2 (.5 credits)
French B1
French B2
French C
Adelphi French
German A1 (.5 credits)
German A2 (.5 credits)
German B1
German B2
German C
Adelphi German

Italian A1 (.5 credits)
Italian A2 (.5 credits)
Italian B1
Italian B2
Italian C
Adelphi Italian
Spanish A1 (.5 credits)
Spanish A2 (.5 credits)
Spanish B1
Spanish B2
Spanish C
Adelphi Spanish
NCAA Eligibility Information

Please visit the NCAA Eligibility Center website at:
Web1.ncaa/ECWR2
At the initial prompt, click “ENTER HERE”.
Select “Resources”
Select “Eligibility Quick Reference Sheet”
GRADING

Lindenhurst Senior High School grading is numerical.

A+ = 97 – 100  B+ = 87 – 89  C+ = 77 – 79  D+ = 68 - 69
A   = 93 – 96  B   = 83 – 86  C   = 73 – 76  D   = 66 - 67
A-  = 90 – 92  B-  = 80 – 82  C-  = 70 – 72  D-  = 65

WEIGHTED GRADING

Weighted grading is to be used for the purpose of ranking in the following manner:

AVERAGES WILL BE WEIGHTED AS FOLLOWS:

A. Advanced Placement Courses ................. 1.10
B. College Credit Courses ....................... 1.075
   (Any course in which college credit can be received)
C. All Honors Courses ............................. 1.05
D. All Other Courses ............................... 1.00

COURSES RECEIVING WEIGHTED GRADES WILL CARRY THE FOLLOWING NOTATIONS:

+  = a course receiving a 1.05 weight
±  = a course receiving a 1.075 weight
++ = a course receiving a 1.10 weight

PRINCIPAL’S LIST - Student must attain a 92 or better average on quarterly report card.
HONOR ROLL -  Student must attain an 85 or better average on quarterly report card.
MERIT ROLL -  Student must attain an 80 or better average on quarterly report card.
ELIGIBILITY -  Eligibility of a student is determined by his grades. Students who fail more than one subject will be subjecting themselves to provisional or ineligibility status.

Students may consult Student Handbook for Eligibility Policy.
PG = Passing Grades
FG = Failing Grades
INC = Incomplete Grades
NC = No-Credit (lack of attendance)
NS = No-Credit (cannot attend Summer School)
WF = Withdrew from class Failing
WP = Withdrew from class Passing
MED = Medical
AU = Audit

AVERAGES ON REPORT CARDS: This is the average for that marking period only. Weighted averages are used for Principal's List, Honor Roll and Merit Roll.
GUIDELINES FOR STUDENT SCHEDULE CHANGES

I. Schedule Changes Before Classes Begin
   By the end of August, all students will have received their schedules. Students who have a CONFLICT in their schedules to be resolved will be contacted and a complete schedule will be constructed as soon as possible.

   ON THE FIRST DAY OF SCHOOL, ALL STUDENTS WILL RECEIVE THEIR OFFICIAL SCHEDULE IN HOMEROOM. THIS IS THE CORRECT SCHEDULE TO FOLLOW.

II. Summer School Grades
   Students who have attended Summer School will receive updated schedules if necessary either in the mail in late August, or in homeroom on the first day of school. THIS IS THE CORRECT SCHEDULE TO FOLLOW.

III. Request for Schedule Changes after School Begins
   A student must complete a schedule change form describing the need for a change. Students must follow the existing schedule until the counselor evaluates the change request and the proper permissions have been granted.

   Changes to a student’s schedule will be considered if an error has been made or under certain serious circumstances.

   ALL CHANGES MUST BE APPROVED BY THE PARENT, TEACHERS, COUNSELOR AND DEPARTMENT COORDINATORS.

   NO CLASSES WILL BE ADDED OR DROPPED AFTER FIVE WEEKS FOR A FULL YEAR COURSE, OR AFTER THREE WEEKS FOR A HALF YEAR COURSE.
OBJECTIVE

Every student has a right to educational opportunities that will enable the student to develop his or her fullest potential. Research repeatedly demonstrates that there is a strong correlation between good attendance and success in school. The regular contact of students with one another in the classroom and their participation in well-planned instructional activities are vital to this purpose. Time lost from class for any reason represents a significant loss of educational opportunity for all students. Therefore, the primary objective of the Lindenhurst High School Attendance Policy is to establish minimum attendance requirements for the granting of academic credit for courses taken by students in grades nine through twelve.

ATTENDANCE REQUIREMENTS

Applicability

1. This policy will apply to students in grades 9 – 12.
2. This policy will apply to each course individually.
3. This policy will apply to students with special needs unless, pursuant to state and federal law, a student’s failure to adhere to the policy requirements shall be determined to be a manifestation of the student’s disability.
4. Students attending classes at other facilities including, but not limited to, a BOCES center will be subject to the attendance policies at those facilities; however, this policy shall apply to the portion of the students’ program for which they are enrolled at Lindenhurst High School.

Attendance Requirements

- **Full-year course**: A student may be absent no more than 20 periods. A student will be denied course credit on the 21st absence.
- **Physical education, A/B day and half-year credit courses**: A student may be absent no more than 10 periods. A student will be denied course credit on the 11th absence.
- **Lateness**: Tardiness to class of more than 15 minutes will be considered an absence.
- **Double-period classes**: Absence from both classes of a double period course (science labs, math extended, etc.) will count as one (1) absence.
GUIDELINES

Legal Absences

- The following absences **WILL** count toward the 20 absence maximum for a full-year course or the 10 absence maximum for a half-year course (see Attendance Requirements above):

  1. Sickness
  2. Death in family
  3. Religious observance
  4. Court appearance
  5. Medical appointment
  6. College interviews or visits
  7. Student initiated school personnel meeting
  8. Impassable roads due to inclement weather when school is in session.

- The following absences **WILL NOT** count toward the 20 absence maximum for a full-year course or the 10 absence maximum for a half-year course (see Attendance Requirements above):

  1. Out-of-school suspension
  2. Home instruction
  3. School mandated testing, including but not limited to, Advanced Placement testing (test period only), and Psycho-educational testing
  4. School sanctioned meetings or events (eg: field trips or pre-scheduled music sessions).

Illegal Absences

- Illegal absences include, but are not limited to, the following: Cutting, truancy, family vacations, etc.

  *Truancy* is the deliberate action by a student to miss a full or partial day of school without the approval of a parent/guardian. A parent/guardian who is aware of and allowing such absences, is violating state law.

- **Students are required to make up all missed work.** *However, making up such work will not erase the absence.* It is a student’s responsibility to initiate the make-up assignment.

- **Coding:** The following computer codes will be used in conjunction with this attendance policy:

  AE – Absent Excused
  AUNN – Absent Unexcused (Needs Note)
  LE – Late Excused
  LU - Late Unexcused
  ND – Nurses Dismissal
  OSS – Out of School Suspension
  FT – Field Trip
  FTSS – In-School Field Trip
  HT – Home Teaching
ATTENDANCE PROCEDURES

Students are required to submit absence notes from their parents/guardians when they have stayed home from school.

Step 1 & 2
When a student has reached the sixth and twelfth absence in a full-year course, or the fourth and sixth absence in a half-year or alternating day course, the teacher will complete the Attendance Policy Referral Form.

- Teacher will make parental contact (via email or telephone) on the sixth absence in a full-year course, or the fourth absence in a half-year or alternating day course in addition to the form being sent home.

- Teachers will be provided with a form for submission to the grade-level administrator, the student’s guidance counselor, the student’s parent/guardian. The third notification will be sent out by certified mail.

- The ultimate responsibility for the review of attendance records and for the initiation of intervention strategies rests with the principal.

- Continuous monitoring of student attendance will be conducted to identify students who are cutting class. A well-defined cutting policy will be utilized for this purpose.

- On notification of the 12th absence for a full-year course and the 6th absence for a half-year course, the student should be referred to the IST (Instructional Support Team) who will arrange a conference to include the student, and the parent/guardian, to advise that course credit is in jeopardy. At this meeting, the attendance policy will be reviewed.

Step 3
When a student exceeds the twenty absence maximum for a full-year course or ten absence maximum in a half-year course, the teacher will provide written notification of denial of course credit to the Instructional Support Team (IST), guidance counselor, Principal, and department head and parent/guardian via certified mail.

- After the 10/20 absence maximum, course credit will be denied.

- Students denied credit for a course must continue to attend the course. Students may not exceed thirty (30) absences in a full-year course and fifteen (15) absences in a half-year course to be eligible to enroll in summer school.

Absences will be reported in the comments section on both the progress reports and report cards, as well as, parental contact on step 1. This will provide the opportunity for up to seven (7) official notifications of student absences.
One of the functions of the IST (Instructional Support Team) is to provide guidance and services to students with school attendance issues.

Members of the IST (Instructional Support Team) will minimally include the following:

- Guidance Coordinator
- Grade level administrator
- A guidance counselor, social worker, school psychologist or teacher

The IST (Instructional Support Team) will seek to accomplish the following for students who accrue 12 absences in a full-year course or 6 absences in a half-year course:

- Arrange a meeting with the parent/guardian and student
- Collaborate with the student and parent/guardian to ascertain the reason(s) for poor attendance
- Design an intervention plan with the student and the parent/guardian in order to improve the student’s attendance
- Recommend additional services if necessary (ie. social work, psychological testing)
- Have the student and parent/guardian sign an Attendance Contract which outlines the consequences of losing course credit

DUE PROCESS RIGHTS REGARDING CREDIT DENIAL

- The appeal must be initiated by the parent/guardian and student and submitted in writing to the Principal or his designee no later than five school days after the student and parent/guardian have been notified of the denial of credit.
- The hearing will be scheduled within five school days of the receipt of the written appeal. The student and parent/guardian must attend this meeting.
- Only extenuating circumstances regarding excessive legal absences will be considered.
- If so desired, the student may have additional representation at the appeals hearing.
NOTIFICATION PROCEDURES

Successful implementation of the Attendance Policy requires cooperation among all members of the Lindenhurst community. Parties to receive notification will include parents, guardians, students, teachers, and the community. The following plan has been devised for implementation to insure thorough notification for all concerned parties. Below, please review the procedure that will be in effect throughout the school year during which the policy is implemented and during subsequent school years.

Parents/Guardians:
- The incoming 9th grade course selection packet.
- General mailing to all parents/guardians.
- Orientation in August for 8th grade parents/guardians and students
- Course Selection Guide
- Annual High School PTSA meeting
- New entrant registration
- Incremental attendance notifications

Teachers:
- Handbook
- Faculty Meeting presentation

Students:
- Student Handbook
- Orientation assembly for each grade level (with an emphasis on incentives to encourage attendance, i.e. increase in participation grade)
- Announcements
- Course Selection Guide
- Handout for new entrant registration (letter and policy)

Community:
- Lindenhurst District Website – letter from Principal and policy.

ANNUAL REVIEW

The Board of Education shall annually review building-level student attendance records, and if such records show a decline in student attendance, the Board may revise this comprehensive attendance policy and make any revision to the plan it deems necessary to improve student attendance.
ENGLISH

SENIOR HIGH CURRICULUM GUIDE TO ENGLISH

Statement of Philosophy

The primary components of the English Language arts program at the Senior High School are reading, writing, listening, speaking and study skills.

The value of writing is affirmed. This particular skill is stressed in all facets of the program and much teaching is designed to integrate many skills and knowledge into the area of writing. The importance and value of correct spelling, punctuation, grammar, capitalization and legible handwriting are stressed in their relationship to the content and promotion of clarity of student writing.

Just as the study of grammar cannot function in a vacuum, writing cannot be fully developed unless strongly associated with all areas of communication. Reading, writing and all other language arts skills become important and are learned simultaneously.

COMPOSITION
Our writing program recognizes the fact that writing is a process, one that involves several stages. Furthermore, writing should have a clear-cut purpose and a specific audience, that audience not always being the teacher. To that end, we present general categories of assignments that can be made more specific to fit the purposes of the teacher and the needs of the student.

Writing instruction will build on skills learned in the earliest years, always seeking greater sophistication year by year. Many assignments will be given in all ability levels within a grade, but the expected performance, in terms of form, development, and tone, will obviously differ.

LANGUAGE SKILLS
Learning of basic language skills will usually be completed by the end of the tenth grade. In eleventh and twelfth grades, these skills will be maintained and refined. The general principle is to discover what skills the students have and to help them proceed from there.

LITERATURE
Our literature program is designed to give students an appreciation and understanding of the various types of literature. Students will gain the ability to recognize the themes of the works studied; they will also recognize universal themes. The students will also develop skills of analysis and literary interpretation assisting their ability to understand author methods and techniques. This study will be an overlapping process; skills will often transfer across genres and each year, students will build on skills gained in previous years.
COMPOSITION:
Through frequent writing, students at the 9th grade level will learn to express themselves in short pieces. They will discover what to say and how to say it interestingly. Since the subject they know best is themselves, they will write themes about their own experiences. Composition will also cover sentence patterns, paragraph types, the essay, essay questions and answers, and an introduction to documentation.

GRAMMAR and USAGE:
The 9th grade builds on what students have learned about the English language in elementary and middle school and shows how to apply the systems of grammar to enhance written and spoken communication. Language study includes study skills, vocabulary, spelling, library skills, oral presentations and practical business forms.

LITERATURE:
Students will study short stories, poetry, plays and novels that examine human conflict and explore the experiences of young people like themselves. Works may include The Pearl, Lord of the Flies, Twelve Angry Men and Romeo and Juliet.

PREREQUISITE: To enroll in English 9H, students must have an average of 80 in 8th Grade English H or an average of 90 in 8th Grade English as of the end of the first semester (second quarter).

COMPOSITION:
This program is designed to help students discover in their own everyday lives some experiences that they can write about simply, clearly and interestingly. Emphasis at the 9th grade level will be placed on the development of single paragraph themes.

GRAMMAR and USAGE:
This program is a fundamental, intensive treatment of the basics of English. Students will be taught to write clear, varied and effective sentences and paragraphs that are grammatically correct and well structured.

READING and VOCABULARY:
This is a program for students who need improvement in these areas. Students will learn techniques for developing greater speed and comprehension and for enlarging vocabulary. They will also explore the experiences of young people like themselves through reading short stories, novels and poetry.

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LITERATURE:
Students will examine pieces from a variety of genres to reinforce and improve their reading and writing skills. During the course, the student will read novels, short stories, plays and poetry.

LAB: (9RR)
Students enrolled in this 9RR will be scheduled for an alternate day (A/B Day) Reading/Writing lab.

ENG9RW ..... (Reading/Writing Workshop 9)

A212FH ... ENGLISH 10H + (1 UNIT)
A222FR ... ENGLISH 10R (1 UNIT)

COMPOSITION:
Students will work on expressing themselves clearly and coherently. They will learn how to structure their responses to experiences, how to set their thoughts and impressions down on paper and how to revise what they have written. They will write both impromptu and out-of-class themes.

GRAMMAR and USAGE:
Students will review the fundamentals of grammar and usage based on the needs of their own writing. Language study will combine with study skills, vocabulary, spelling, reference skill and oral presentation.

LITERATURE:
Students will examine pieces from various genres to emphasize and increase their competency in reading and writing. Students will read challenging novels and plays that may include Macbeth, To Kill a Mockingbird, The Kite Runner, and A Separate Peace.

PREREQUISITE: To enroll in English 10H, students must have an average of 80 in English 9H or an average of 90 in English 9R as of the end of the first semester (second quarter).

A242FB ... ENGLISH 10RR - REGENTS WITH REMEDIATION (1 UNIT)

COMPOSITION, GRAMMAR and USAGE:
Students will learn and use writing techniques and grammatical concepts that meet Regents curriculum requirements and will prove valuable to students in their daily lives.

LITERATURE:
Students will examine pieces from a variety of genres to reinforce and improve their reading and writing skills. During the course, the student will read novels, short stories, plays and poetry.

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LAB: (10RR)
Students enrolled in this 10RR will be scheduled for an alternate day (A/B Day) Reading/Writing lab. Each semester will address either reading or writing.

ENG10RW ..... Reading/Writing Workshop 10

A313FH ... ENGLISH 11H + (1 UNIT)
A323FR ... ENGLISH 11R (1 UNIT)

English 11R is designed to meet the New York State standards in English. Students will develop their listening, speaking, reading and writing skills. Students are introduced to a variety of genres including, but not limited to, novels, plays, poetry, essays and short stories. Although English 11 R predominantly focuses on American literature, students also study notable world authors. Students are also prepared for the NYS English Regents exam. English 11 Honors incorporates everything listed under English 11 R. However, English 11 H students are prepared to take the January NYS English Regents exam. Taking the English Regents exam in January enables the honors students to devote the second semester to more sophisticated and creative reading and writing tasks. Works may include The Great Gatsby, All My Sons, Tuesdays with Morrie and A Thousand Splendid Suns.

PREREQUISITE: To enroll in English 11 H, students must have an average of 80 in English 10H or an average of 90 in English 10R as of the end of the first semester (second quarter).

A343FB ... ENGLISH 11RR (REGENTS WITH REMEDIATION) (1 UNIT)

COMPOSITION:
Students will improve their language skills in preparation for the English Regents Exam.

LITERATURE:
Students will examine pieces from a variety of genres to reinforce and improve their reading and writing skills. During the course, the students will read novels, short stories, plays and poetry.

LAB: 11RR
Students enrolled in this 11RR will be scheduled for an alternate day (A/B Day).

ENG 11 L
Summer reading and writing is required.

Students in this introductory college-level course read and carefully analyze a broad and challenging range of nonfiction prose selections, deepening their awareness of rhetoric and how language works. Through close reading and frequent writing, students develop their ability to work with language and text with greater awareness of purpose and strategy, while strengthening their own composing abilities. Course readings feature expository, analytical, personal and argumentative texts from a variety of authors and historical contexts. Students examine and work with letters, essays, speeches, images and imaginative literature. Students prepare for the AP English Language and Composition Exam and may be granted college credit as a result of satisfactory performance.

Course reading and writing activities should help students gain textual power, making them more alert to an author’s purpose, the needs of an audience, the demands of the subject, and the resources of language: syntax, word choice and tone. The critical skills that students learn to appreciate through close and continued analysis of a wide variety of texts and writing tasks provide the focus for an energetic study of language, rhetoric, and argument.

As this is a college-level course, performance expectations are appropriately high, and the workload is challenging. Students are expected to commit to a minimum of five hours of course work per week outside the classroom. Often, this work involves long-term writing and reading assignments, so effective time management is important. Because of the demanding curriculum, students must bring to the course sufficient command of mechanical conventions and an ability to read and discuss prose. The content of the course is constructed in accordance with the guidelines described in the AP English Course Description. AP EXAM AND AP EXAM FEE REQUIRED.

PREREQUISITE: To enroll in this course, students must have an average of 85 in English 10H or an average of 90 in English 10R as of the end of the first semester (second quarter).

GRADE 11

GRADE 12 STUDENTS ARE REQUIRED TO SELECT ONE OF THE FOLLOWING:

- ENGLISH 12H/ENGLISH 12R
- DOWLING ENGLISH
- AP ENGLISH LITERATURE
- FILM STUDY
- MUSIC AND LITERATURE
- PUBLIC SPEAKING
- THE PSYCHOLOGY OF LITERATURE
STUDENTS IN 10TH AND 11TH GRADE MAY SUPPLEMENT THEIR REGULAR ENGLISH PROGRAM BY SELECTING ONE OF THE COURSES BELOW. HOWEVER, IF TAKEN PRIOR TO SENIOR YEAR, THE COURSE WILL COUNT AS AN ELECTIVE AND CAN NOT BE TAKEN IN LIEU OF AN ENGLISH CLASS SENIOR YEAR. PRIORITY WILL BE GIVEN TO STUDENTS IN THEIR SENIOR YEAR.

FILM STUDY
MUSIC AND LITERATURE
PUBLIC SPEAKING
THE PSYCHOLOGY OF LITERATURE

PREREQUISITE: GRADE 12—NONE; GRADES 10 & 11—ENGLISH GRADE AS OF FIRST SEMESTER (SECOND QUARTER) OF 75 AND ABOVE

A414FH ... ENGLISH 12H + (1 UNIT)
A424FR ... ENGLISH 12R (1 UNIT)

COMPOSITION:
Students will review and conclude the sequence of skills developed during high school. They will write analytical papers requiring sustained reading, writing and thinking. Students will strengthen their grammar, vocabulary and spelling skills by frequent writing assignments. In addition, they will review library research skills and display oral skills in presenting and defending a position.

LITERATURE:
Students will examine the novels, plays and short stories from England and around the world with consideration of the cultural and historic background which shaped their creation. Such great writers as Sophocles, Shakespeare, Dickens, Austin, Conrad Ibsen and Chekhov will be read and discussed in detail.

PREREQUISITE: To enroll in English 12H, students must have an average of 80 in English 11H or AP English or an average of 90 in English 11R as of the end of first semester (second quarter).

ENG 001 ...**DOWLING ENGLISH 001 - PRINCIPLES OF WRITING * ± (3 COLLEGE CREDITS)
This first semester process-writing course stresses intensive practice in expository writing, emphasizing argumentation and persuasion. The New York Times is used daily. Multiple revisions are encouraged and required.

GRADE: 12
**DOWLING ENGLISH 002 - INTRODUCTION TO LITERATURE * ± (3 COLLEGE CREDITS)**
This course is a seminar, organized around an exciting and contemporary literary theme. Emphasis is on the in-depth study of selected literary works relating to that theme in fiction, poetry, or drama. The course will be structured around discussion and student reports.

PREREQUISITE: To enroll in Dowling English, students must have an average of 85 in English 11 as the end of the first semester (second quarter).

** IF COLLEGE CREDIT IS DESIRED, STUDENTS MUST COMPLETE NECESSARY PAPERWORK AND THE PER CREDIT FEE MUST BE PAID TO THE COLLEGE. COLLEGE CREDIT IS NOT GUARANTEED, BUT IS CONTINGENT UPON A STUDENT’S PERFORMANCE IN CLASS. REFUNDS ARE NOT ISSUED FOR STUDENTS WHO HAVE PAID FOR DOWLING CREDIT, BUT HAVE NOT EARNED THE MINIMUM GRADE DEEMED ACCEPTABLE BY DOWLING COLLEGE. THE FEE FOR THE 2103-14 SCHOOL YEAR WAS $109 PER CREDIT AND IS SUBJECT TO CHANGE BY THE COLLEGE.

GRADE: 12

A404FA … ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION ++ (1 UNIT)
*Summer reading and writing is required.*
This course is recommended to studious seniors who enjoy reading and closely examining literature. Students are made aware of major literary movements, and explore such literary works as *Beowulf, The Canterbury Tales,* and *The Odyssey,* and such authors as Shakespeare, Pope, Swift, Browning, Dickens and Chekhov, in preparation for a rigorous college curriculum. For those students who like to write, some time may be devoted to the fundamentals of original creative writing. In the last quarter, the course emphasizes close examination of poetry and prose in preparation for the Advanced Placement examination which is required and will provide students with the opportunity to earn college credit. **AP EXAM AND AP EXAM FEE REQUIRED.**

PREREQUISITE: To enroll in this course, students must have an average of 85 in English 11H or AP English Language or an average of 90 in English 11R as of the end of the first semester (second quarter).

A075FR …FILM STUDY (1 UNIT)
This full year course will focus on the history of film from the inception of the medium, and will trace the evolution of film by viewing films of all different time periods, genres, and subject matters. Screenwriting, acting, and film techniques will be analyzed and evaluated. Films will be studies in genre units, including special topics in some of the following: Women in Film, Film and Social Change, Science Fiction in Film, Film Noir and Neo-Noir, The Auteur Theory; Directors as Authors, the Anti-hero Film, and War in Film. Students will complete a number of viewing-based film guides and written assignments about the genre(s) studied in a given semester.

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**A464FR …MUSIC AND LITERATURE**  
(1 UNIT)  
Music and Literature will examine the coalescence of the music and literary world during the late 20th century and early 21st century. Students will examine the influence of music on literary movements (such as the influence of jazz music on the beat poets), the literary world’s writing regarding popular music (such as the 33 1/3 series of music criticism), as well as the connection between modern poetry and lyrics in popular music. Possible assignments include student presentations on the connection between an artist’s background and their poetry/lyrics, analysis of modern poetry/song lyrics, creative criticism of popular music (via both fiction and non-fiction models), and modern styles of poetry (such as free-verse). Possible texts include short-stories influenced by popular music (Thomas Pynchon, Jonathan Lethem), modern poetry collections (Ginsberg, Corso, Baraka), and music criticism from respected authors (the aforementioned 33 1/3 series).

**A474FR …PUBLIC SPEAKING**  
(1 UNIT)  
This course will focus on application of the communication techniques needed to organize and deliver oral messages in a public setting. Emphasis will be given to theory and practice of message strategies and preparation, audience analysis, presentation skills including multimedia support, speech criticism and the listening process. Students will become proficient in preparing and presenting informative, procedural, and persuasive speeches, as well as conducting audience analysis prior to speech writing and writing speech criticism after viewing classmates’ speeches.

**A484FR …THE PSYCHOLOGY OF LITERATURE**  
(1 UNIT)  
Using a basic knowledge of psychology, this course will focus on the analysis and understanding of literature through a psychological perspective. Psychoanalyze and diagnose Chronic Depression as an iconic literary character such as Holden Caulfield. How does Prince Hamlet reveal symptoms of an Oedipus Complex as described by Sigmund Freud? Based on their works, diagnose and draw psychological conclusions about mysterious authors such as E.A. Poe. Revisit previously read works to analyze and interpret significant events that establish psychological concepts such as Mob Mentality in *The Crucible*, or Social Withdrawal in *Ordinary People*. Establish connections with an author’s involvement in famous historical events such as the Holocaust and how such events influenced and motivated them to write specific works such as Viktor E. Frankl and his novel, *Man’s Search for Meaning*, or Elie Wiesel and his novel, *Night*.

**A145FE …DRAMA**  
(1 UNIT)  
This course is a full-year exploration of the fundamental elements of acting: sensitivity exercises, utilizing the senses and emotional memory, improvisation, speech for the stage, script interpretation and textual analysis, monologue study and performance, original student written monologues, scene study and performance. **NOTE:** This course may be repeated for course credit.

PREREQUISITE: Theatre Arts or the permission of course teacher.  
**GRADES:** 10 – 12
M105FE ... JOURNALISM/DESKTOP PUBLISHING (1 UNIT)
This course is intended for students who are interested in writing for the school newspaper and in learning skills helpful for both college and career. They will be introduced to careers in journalism, familiarized with various types of publications (newspapers, tabloids, and magazines), taught how to write various types of articles (news, features, human interest, interviews, editorials, sports, etc.), and acquainted with the various stages of newspaper production. In addition, students will learn to use the computer to mix computer graphics with text in the design of newspapers, reports, and documents. They will experience keyboarding and word processing in the development of professional looking materials, as is done in many businesses today. **NOTE: This course may be repeated for course credit.**

GRADES 9 - 12

A095FE ... CREATIVE WRITING (1 UNIT)
If you enjoy writing, have talent, and would like to be in a program that will allow you to express yourself creatively in a format which is structured so that you will be challenged to reach your potential as a writer, this elective is for you. Do something good for your creative soul!
This is not for everyone, but if you’d like to work at being the best writer you can be in a class of interested and intelligent fellow writers, this elective is intended expressly for you. You will become expert in small group work while mastering the skills of constructive criticism and positive editing. Tired of being told what to do all the time? Take a course in which you will help direct the writing of others as you improve your own. **NOTE: This course may be repeated for course credit.**

GRADES: 9 – 12

A0001AE...FOUNDATIONS OF RESEARCH (1/2 UNIT)
This half-credit course is for students to better prepare themselves for college and career. Along with improving critical thinking skills, most colleges and universities cite a lack of research skills as one of the most common reasons students are not successful at higher learning institutions. This course seeks not only to remedy that, but also to provide the more advanced student with opportunities to further improve research skills on a deeper level. Students will be taught how to use various databases, how to use the library as a true resource, how to hone and sharpen focus for a topic, and much more. Students will be provided with frequent opportunities to work independently and avail themselves of all resources available in the library and community. **Pending Board of Education approval**

Grades: 11 & 12
SOCIAL STUDIES

B111FH .. SOCIAL STUDIES 9H – GLOBAL HISTORY AND GEOGRAPHY + (1 UNIT)
B121FR .. SOCIAL STUDIES 9R – GLOBAL HISTORY AND GEOGRAPHY (1 UNIT)

This two-year sequence is designed to develop historic and thematic comprehension through a chronological approach of events that have taken place throughout the history of the world. This course will follow the New York State Core Curriculum and Learning Standards for Social Studies. In the 9th grade, students will study the period of time from the Ancient World to The Early Modern Times. The course is designed to challenge students to define culture and civilization as they examine how geographically distinct societies developed over time. The students investigate the various components of culture and civilization including social customs, norms, values and traditions. The course examines the development and connectedness of Western Civilization with civilizations and cultures in South and East Asia, Latin America and Africa.

This course continues in the 10th grade and culminates with the required New York State Global History and Geography Regents Examination.

PREREQUISITE: To enroll in Social Studies 9H, students must have an average of 80 in 8th Grade Social Studies Honors class or an average of 90 in Social Studies 8 class as of the end of first semester (second quarter).

B531FA .. ADVANCED WORLD HISTORY I ++ (1 UNIT)

May include a summer assignment.

This is the first year of a two-year program that begins in ninth grade and continues into tenth grade. This course will be offered to ninth graders only. The purpose of the World History course is to develop a deep understanding of the evolution of global processes and interaction with various human societies. Students will also develop skills that will be useful at the college level. They will be challenged to analyze, interpret and evaluate the sources, to assess the complexities of issues and to discover how historians reach conclusions about the past.

PREREQUISITE: An average of 90 in 8th Grade Social Studies Honors class as of the end of first semester (second quarter).

B212FH .. SOCIAL STUDIES 10H – GLOBAL HISTORY AND GEOGRAPHY + (1 UNIT)
B222FR .. SOCIAL STUDIES 10R – GLOBAL HISTORY AND GEOGRAPHY (1 UNIT)

This course is the second year of the two-year sequence designed to develop historic and thematic comprehension through a chronological approach of the events that have taken place throughout the world. This course will follow the New York State Core Curriculum and Learning Standards for Social Studies.

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This course is a continuation of the 9th grade course. It begins with the late 18th century and the Age of Revolution, and then students will examine and explore materials and events of the 19th and 20th centuries until present day. The course challenges students to consider varying viewpoints, to analyze, interpret and evaluate primary sources. Students are required to take the New York State Global History and Geography Regents at the end of this course.

PREREQUISITE: To enroll in Social Studies 10H, students must have an average of 80 in Global History 9H or an average of 90 in Global History 9R as of the end of first semester (second quarter).

B572FA .. AP WORLD HISTORY II ++ (1 UNIT)
May include a summer assignment.
This is the second year of a two-year program that begins in ninth grade and continues into tenth grade. This course will be offered to tenth graders only. The purpose of the AP World History II course is to develop a deep understanding of world history to present day. Students will examine how world cultures have adapted during these time periods. Students will also develop skills that will be useful at the college level. They will be challenged to analyze, interpret and evaluate the sources to assess the complexities of issues and to discover how historians reach conclusions about the past. AP EXAM AND AP EXAM FEE REQUIRED

Students will be required to take the AP exam, which provides students the opportunity to earn college credit. Students are also required to take the NYS Global History Regents exam.

PREREQUISITE: To enroll in this course, students must have an average of 80 in AP World History I or an average of 90 in Global History I Honors as of the end of first semester (second quarter).

B313FH .. SOCIAL STUDIES 11H – U.S. HISTORY + GOVERNMENT + (1 UNIT)
B323FR .. SOCIAL STUDIES 11R – U.S. HISTORY + GOVERNMENT (1 UNIT)
This one-year course is designed to provide students with a comprehensive survey of their national heritage and an understanding of their nation today. This course will follow the New York State Core Curriculum and Learning Standards for Social Studies. Major themes which will be explored and examined, include Constitutional and legal issues, civic values in a democracy, the development of the American economic system and the global interaction between the United States and the World. Students are required to take the U.S. History and Government Regents at the end of this course.

PREREQUISITE: To enroll in Social Studies 11H, students must have an average of 80 in Global History 10H or an average of 90 in Global History 10R as of the end of first semester (second quarter).
Includes a summer assignment. This is an intensive American History Course from the Age of Exploration and Discovery to the Present. Students will engage in an in-depth analysis of selected historical time periods in American History. This analysis will include the reading of original and primary sources to be integrated in student mastery activities. Students enrolled in this class will be asked to complete a summer reading list and assignments.

The AP Examination provides students with the opportunity to earn college credit. Students will be required to take the Advanced Placement Exam and the course will be geared toward that worthwhile end. Students are also required to take the NYS U.S. History and Government Regents Exam. **AP EXAM AND AP EXAM FEE REQUIRED.**

PREREQUISITE: To enroll in this course, students must have an average of 80 in AP World History II or an average of 90 in Global History H as of the end of the first semester (second quarter).

**GRADE 12 -- STUDENTS ARE REQUIRED TO SELECT ONE OF THE FOLLOWING:**
1. GOVERNMENT AND ECONOMICS
2. DOWLING COLLEGE: INTRODUCTION TO POLITICAL SCIENCE
3. AP GOVERNMENT AND POLITICS US

**B440FE .. GOVERNMENT AND ECONOMICS (1 UNIT)**
The first semester of the course is Government. This twenty (20) week segment provides the student with an introduction to the origin of the different forms of government, the characteristics that make the different types of government unique. This course is intended to give a deeper meaning to the elements of political science and governmental structure than that which has been included in earlier Social Studies courses.

The second semester of the course is an introduction to the subject of Economics. The course is designed to provide an overview of the different economic systems, with particular emphasis on capitalism and the economic model within the United States. There is also a unit on practical economic matters such as: buying on credit, interest rates, balancing a checkbook, scarcity and supply and demand.

**GRADE 12**

**POL 001 .. **DOWLING COLLEGE INTRODUCTION TO POLITICAL SCIENCE ± (3 COLLEGE CR.) (FALL) **DOWLING COLLEGE INTRODUCTION TO AMERICAN POLITICS ± (3 COLLEGE CR.) (SPRING) These semester courses introduce political concepts and theories as well as the processes, institutions and cultural factors which determine the distinctive nature of American Government.

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PREREQUISITE: To enroll in this course, students must have an average of 85 as of the end of the first semester (second quarter).

**IF COLLEGE CREDIT IS DESIRED, STUDENTS MUST COMPLETE NECESSARY PAPERWORK AND THE PER CREDIT FEE MUST BE PAID TO THE COLLEGE. COLLEGE CREDIT IS NOT GUARANTEED, BUT IS CONTINGENT UPON A STUDENT'S PERFORMANCE IN CLASS. REFUNDS ARE NOT ISSUED FOR STUDENTS WHO HAVE PAID FOR DOWLING CREDIT, BUT HAVE NOT EARNED THE MINIMUM GRADE DEEMED ACCEPTABLE BY DOWLING COLLEGE. THE FEE FOR THE 2013-14 SCHOOL YEAR WAS $109 PER CREDIT AND IS SUBJECT TO CHANGE BY THE COLLEGE.

B664FA .. AP AMERICAN GOVERNMENT AND POLITICS ++ (1 UNIT)  
*Includes a summer assignment*

This program will give students an analytical perspective of government and politics in the United States. This program covers both the study of general concepts used to interpret politics and the analysis of specific examples throughout history. Through the examination of competing theories of political power and through the analysis of competing interests, the process by which public policy is established is studied. Students enrolled in this class will be asked to complete a summer reading list and assignments.

Students are required to sit for the American Government and Politics AP exam, which will provide students the opportunity to earn college credit. **AP EXAM AND AP EXAM FEE REQUIRED.**

PREREQUISITE: To enroll in this class, students must have an average of 80 in AP US History or an average of 90 in US History H as of the end of the first semester (second quarter).

GRADE: 12

B675SE .. PSYCHOLOGY A (1/2 UNIT)  
B675FE.. PSYCHOLOGY A AND B (1 UNIT)

Psychology introduces students to the many different areas of study which fall under the broad heading of Psychology. It is a wide-ranging program which examines and analyzes many diverse topics. This course is designed for the serious minded student who has a sincere desire to learn more about Psychology and is willing to put time and effort into this undertaking. Priority will be given to seniors.

GRADES 11 – 12
Includes a summer assignment

Advanced Placement Psychology is designed to familiarize students with the wide range of topics that are included in an introductory psychology course: the biological basis of behavior, intelligence, memory, perception, learning and cognition to name a few.

The assignments in the course include weekly chapters in the college text and accompanying questions which are designed to promote thought and class discussions. There are regular supplemental readings from journals and magazines. Students are required to take the Advanced Placement exam. **AP EXAM AND AP EXAM FEE REQUIRED.**

**PREREQUISITE:** To enroll in AP Psychology, students must have an average of 80 in AP US History or an average of 90 in US History H as of the end of the first semester (second quarter).

**GRADE:** 12
This one-year course (with a lab for additional enrichment/instruction that meets every other day) is a required course for all students entering the ninth grade in September 2008 and thereafter. The Integrated Algebra Regents will be given in June. The focal point of this course is the algebra content strand. Algebra provides tools and ways of thinking that are necessary for solving problems in a wide variety of disciplines, such as science, business, social sciences, fine arts, and technology. This course will assist students in developing skills and processes to be applied using a variety of techniques to successfully solve problems in a variety of settings.

Students in Integrated Algebra RX will be enrolled in a lab class for additional enrichment/instruction that meets every other day.

This one-year course is a required course for all students completing Integrated Algebra. The Geometry Regents exam will be given in June. The focal point of this course is the geometry content strand. Students will have the opportunity to make conjectures about geometric situations and prove in a variety of ways, both formally and informally, that their conclusion follows logically from their hypothesis. This course is meant to employ an integrated approach to the study of geometric relationships. Integrating synthetic, transformational, and coordinate approaches to geometry, students will justify geometric relationships and properties of geometric figures. A major emphasis of this course is to allow students to investigate geometric situations. Geometry is meant to lead students to an understanding that reasoning and proof are fundamental aspects of mathematics and something that sets it apart from the other sciences.

Students in Geometry RX will be enrolled in a Geometry lab class for additional enrichment/instruction that meets every other day.

PREREQUISITE: Students in Geometry H have successfully completed Integrated Algebra with an average grade of 85 as of the end of the first semester (second quarter)
This one year course is a continuation for all students completing Geometry. The Algebra 2/Trigonometry Regents exam will be given in June. This academically rigorous course continues the integration of algebra and geometry into the study of trigonometry, functions, and advanced algebra topics. Within this course, the number system will be extended to include imaginary and complex numbers. The study of various functions, situations involving direct and indirect variation, and problems resulting in systems of equations and algebraic techniques will also be developed. Data analysis will be extended to include measures of dispersion and the analysis of regression that model functions studied throughout this course. Arithmetic and geometric sequences will be expressed in multiple forms, and arithmetic and geometric series will be evaluated. The graphing calculator is used throughout the course to incorporate numerical, algebraic and analytical understanding. Successful completion of the Algebra 2/Trigonometry Regents exam is required in order to obtain a Regents diploma with Advanced Designation.

Students enrolled in Algebra 2 /Trigonometry R course will also be enrolled in an instructional lab period on alternate days. These students have successfully completed the Geometry course.

PREREQUISITE: Students enrolled in Algebra 2/Trigonometry H have successfully completed Integrated Algebra with a Regents grade of 85 or above, and an average grade of 85 as of the end of the first semester (second quarter) in Geometry.

C373FN ... REAL NUMBERS (1 UNIT)

This one-year non-regents bound course will expand on some of the major topics from Algebra 2/Trigonometry RR. Topics include The Real Numbers, Rational Expressions, Irrational Numbers, Complex Numbers, Transformations, Functions, Exponential Functions, Logarithmic Functions, Trigonometric Functions, Circles, Statistics and the Binomial Theorem.

PREREQUISITE: INTEGRATED ALGEBRA, GEOMETRY AND A PASSING SCORE ON THE INTEGRATED ALGEBRA REGENTS EXAM.

GRADE: 12
INTALG ... INTERMEDIATE ALGEBRA (1 UNIT)

This one-year course will reinforce important topics from Integrated Algebra and Geometry courses while introducing selected topics from Algebra 2/Trigonometry. This course is for students who have completed Integrated Algebra and Geometry.

PREREQUISITE: Completion of Integrated Algebra and Geometry; approval of the Math Coordinator required

C404FR ... PRE-CALCULUS R (1 UNIT)
C404FH ... COLLEGE PRE-CALCULUS H ± (1 UNIT)

The goals of Pre-Calculus are to develop proficiency with mathematical skills, to expand understanding of mathematical concepts, to improve logical thinking, and to promote success. To achieve these goals, the following strategies are used. First, a review is provided for those topics generally presented in algebra. Thus, the student's understanding is strengthened in the basic fundamentals of algebra before the introduction of more difficult concepts. Topics covered in this course include linear relations and functions, general theory of equations, matrices and vectors, graphs and inverses of the trigonometric functions, polar coordinates and complex numbers, exponential and logarithmic functions, the straight line, conics, and if time permits, an introduction to limits and derivatives.

PREREQUISITE FOR PRE-CALCULUS R: Passing the Algebra 2/Trigonometry course.

PREREQUISITE FOR COLLEGE PRE-CALCULUS H: A minimum grade of 85 in the Algebra 2/Trigonometry course as of the end of the first semester (second quarter).

PREREQUISITE FOR ADVANCED PLACEMENT CALCULUS AB: College Pre-Calculus H

GRADES: 11 & 12

MTH 014 .. **DOWLING COLLEGE PRE-CALCULUS ± (3 COLLEGE CR.) (1 UNIT)

This full-year course emphasizes problem-solving strategies as applied to problems involving polynomial, rational, exponential, logarithm, and trigonometric functions. Projects, class groups, and a graphing calculator will be used throughout the course.

PREREQUISITE: Must have passed the Algebra 2/Trigonometry course with a grade of 70 or higher as of the end of the first semester (second quarter).

GRADE: 11 & 12

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**IF COLLEGE CREDIT IS DESIRED, STUDENTS MUST COMPLETE NECESSARY PAPERWORK AND THE PER CREDIT FEE MUST BE PAID TO THE COLLEGE. COLLEGE CREDIT IS NOT GUARANTEED, BUT IS CONTINGENT UPON A STUDENT'S PERFORMANCE IN CLASS. REFUNDS ARE NOT ISSUED FOR STUDENTS WHO HAVE PAID FOR DOWLING CREDIT, BUT HAVE NOT EARNED THE MINIMUM GRADE DEEMED ACCEPTABLE BY DOWLING COLLEGE. THE FEE FOR THE 2013-14 SCHOOL YEAR WAS $109 PER CREDIT AND IS SUBJECT TO CHANGE BY THE COLLEGE.

C504FR ... CALCULUS+ (1 UNIT)

This course is offered for above-average students who desire to continue the study of trigonometric, logarithmic and exponential functions. Differential and integral calculus with applications to the physical science, analytical geometry and the business world are treated extensively. This course is designed for students who plan to continue the study of college level mathematics. Graphing calculators will be used extensively in this course.

PREREQUISITE: Passing the Pre-Calculus, College Pre-Calculus course or Dowling Pre-Calculus course.

GRADE: 12

MTH 021 ..** DOWLING COLLEGE CALCULUS ± (4 COLLEGE CREDITS PER SEMESTER) (1 UNIT)

This semester course covers the fundamental ideas and techniques of differential calculus with the relevant analytic geometry and an introduction of some concepts of integral calculus. Topics include functions, limits, continuity and the derivative of algebraic and trigonometric functions implicit differentiation, and extensive applications including tangent lines and velocity, extreme, errors in measurement and linear approximations. Some use of a programmable graphics calculator.

PREREQUISITE: Must have received a passing grade in Pre-Calculus.

GRADE: 12

**IF COLLEGE CREDIT IS DESIRED, STUDENTS MUST COMPLETE NECESSARY PAPERWORK AND THE PER CREDIT FEE MUST BE PAID TO THE COLLEGE. COLLEGE CREDIT IS NOT GUARANTEED, BUT IS CONTINGENT UPON A STUDENT'S PERFORMANCE IN CLASS. REFUNDS ARE NOT ISSUED FOR STUDENTS WHO HAVE PAID FOR DOWLING CREDIT, BUT HAVE NOT EARNED THE MINIMUM GRADE DEEMED ACCEPTABLE BY DOWLING COLLEGE. THE FEE FOR THE 2013-14 SCHOOL YEAR WAS $109 PER CREDIT AND IS SUBJECT TO CHANGE BY THE COLLEGE.
C514FA ... AP CALCULUS AB ++ (1 UNIT)
C514AL ... AP CALCULUS LAB

This course gives an in-depth study of trigonometric, logarithmic, and exponential functions. Differential and integral calculus with applications to the physical sciences, analytical geometry and the business world are treated extensively. Students will be prepared for and required to take the Advanced Placement Examination in Calculus AB. Students must be enrolled in both AP Calculus Class and AP Calculus Lab. Graphing calculators (preferably the TI 89 or TI 89 Titanium) will be used extensively in this course.

AP EXAM AND AP EXAM FEE REQUIRED

PREREQUISITE: A minimum grade of 85 in College Pre-Calculus H as of the end of the first semester (second quarter)

C604FR ... STATISTICS AND DATA ANALYSIS (1 UNIT)

This is a one-year elective course for those students who want to study statistics and data analysis. The topics will include organizing and analyzing data, elementary probability theory, normal distributions, estimation, regression and hypothesis testing. The statistics course will provide students the opportunity to further their study and application of mathematics. Graphing calculators will be used extensively in this course.

PREREQUISITE: A passing grade in Algebra 2/Trigonometry course as of the end of the first semester (second quarter).

GRADES: 11 & 12

MTH 006 .. **DOWLING COLLEGE STATISTICS ± (3 COLLEGE CR.) (1 UNIT)

This course focuses on descriptive statistics including measure of central tendency and variation of data; definition of probability, rules or probability and probability functions, including the binomial, Poisson, and normal distributions. Topics include sampling distributions, hypothesis testing, linear regression and correlation. Graphing calculators will be used extensively in this course. This course is spread over an entire school year.

PREREQUISITE: Must have passed the Algebra 2/Trigonometry course as of the end of the first semester (second quarter)

**IF COLLEGE CREDIT IS DESIRED, STUDENTS MUST COMPLETE NECESSARY PAPERWORK AND THE PER CREDIT FEE MUST BE PAID TO THE COLLEGE. COLLEGE CREDIT IS NOT GUARANTEED, BUT IS CONTINGENT UPON A STUDENT'S PERFORMANCE IN CLASS. REFUNDS ARE NOT ISSUED FOR STUDENTS WHO HAVE PAID FOR DOWLING CREDIT, BUT HAVE NOT EARNED THE MINIMUM GRADE DEEMED ACCEPTABLE BY DOWLING COLLEGE. THE FEE FOR THE 2013-14 SCHOOL YEAR WAS $109 PER CREDIT AND IS SUBJECT TO CHANGE BY THE COLLEGE.
D001FR ... EARTH SCIENCE REGENTS (1 UNIT)
This course provides students with an overview of the Earth and its place in the universe. Topics covered include The Earth, Rocks and Minerals, Dynamic Earth, Weathering/Erosion/Deposition, Earth's History, Meteorology, Water Cycle/Climate, Earth and Space, and Environmental Awareness.

This is a full-year course with an alternate day laboratory period. It satisfies the requirement for a Physical Setting Regents course.

Students must satisfactorily complete at least 1200 minutes of laboratory work in order to qualify to take the Regents examination. A laboratory performance test will be completed as part of the Regents Examination. This course concludes with the Physical Setting: Earth Science Regents Examination.

PREREQUISITE: Grade 9 Science course grade of 75 as of end of first semester (second quarter).

D003FR ... EARTH SCIENCE 11 (1 UNIT)
This course is offered to students who have completed the Living Environment Prep I and Living Environment Prep II courses and fulfills both the third science and the Physical Setting Regents course graduation requirement. The curriculum is the same as that described in the Earth Science Regents course (D001FR).

This is a full year course with an alternate day laboratory period and satisfies the state requirement for a Physical Setting Regents course.

Students must satisfactorily complete at least 1200 minutes of laboratory work in order to qualify to take the Regents examination. A laboratory performance test will be completed as part of the Regents examination. This course concludes with the Physical Setting: Earth Science Regents examination.

PREREQUISITE: None

GRADES 11 & 12

D101FP ... LIVING ENVIRONMENT REGENTS PREP I (1 UNIT)
This course is designed for students that have struggled to achieve success in problem-solving and laboratory skills in middle school science. Students will be introduced to the first half of the Regents Living Environment curriculum with the emphasis placed on providing time for students to understand the underlying principles behind the material being presented. Additional laboratory exercises will be incorporated to give students the greatest opportunity to achieve mastery of the course content. This is a single period course without an additional period for lab. Students enrolled in this class will continue into the Living Environment Regents Prep II course before sitting for the Regents examination in June.

PREREQUISITE: Recommendation of the eighth grade Science teacher. Open to ninth grade students only.
D112FP  ...  LIVING ENVIRONMENT REGENTS PREP II  (1 UNIT)
This course is the continuation of the Living Environment Regents Prep I course (D101FP). Students will cover the remainder of the Regents Living Environment curriculum with ample time allotted for review of the material presented in both courses. All necessary laboratory work will be conducted to permit students to sit for the June Regents examination.

This is a full-year course with an alternate day laboratory period and satisfies the state requirements for a Living Environment Regents course. Students must satisfactorily complete at least 1200 minutes of laboratory work in order to qualify to take the Regents examination. This course concludes with the Living Environment Regents examination.

PREREQUISITE: Completion of Living Environment Prep 1.

D122FR  ...  LIVING ENVIRONMENT REGENTS  (1 UNIT)
This course is designed to provide students an introduction to the general principles and concepts of biology. There are seven major units of study: The Study of Life, Maintenance in Animals, Maintenance in Plants, Human Reproduction and Development, Transmission of Traits from generation to generation, Evolution and Diversity and Plants and Animals in their Environment. Successful completion of this course is a requirement for graduation from high school.

This full-year course with an alternate day laboratory period satisfies the state requirement for a Living Environment Regents course. Students must satisfactorily complete at least 1200 minutes of laboratory work in order to qualify to take the Regents examination. This course concludes with the Living Environment Regents examination.

PREREQUISITE: Completion of Earth Science

D155FA  ...  ADVANCED PLACEMENT BIOLOGY ++  (1 UNIT)
The AP Biology course is designed to be the equivalent of a college introductory course usually taken by Biology majors in their first year. The course includes those topics found in most freshman college programs for biology majors or in the syllabus from a high-quality college program in introductory biology. The course aims to provide students with the conceptual framework, factual knowledge and analytical skills necessary to deal critically with the rapidly changing science of biology.

This course contains extensive laboratory units and each student will be required to take the Advanced Placement examination given in May. They will also be qualified to take the SAT II in Biology. This is a full-year double period course.

AP EXAM AND AP EXAM FEE REQUIRED.

PREREQUISITE:
10TH GRADE—Course grade of 85% or better in Living Environment Honors as of the end of the first semester (second quarter)
11TH GRADE—Course grade of 85% or better in Chemistry as of the end of the first semester (second quarter)

GRADES 10 – 12
D131FH ... LIVING ENVIRONMENT HONORS + (1 UNIT)
This course will provide students with an enriched and detailed exposure to the content contained in the Living Environment curriculum and are designed to prepare students for further study in Biology. Advanced topics in this course include: Diversity of Life, Human Physiology and Development, Modern and Molecular Genetics, Biochemistry, Ecology and Evolution. Laboratory experiences will be presented in greater detail and require demonstration of higher level thinking skills. This course is designed for students exhibiting above average skills in science.

This is a full-year course with an alternate day laboratory period and satisfies the state requirement for a Living Environment Regents course. Students must satisfactorily complete at least 1200 minutes of laboratory work in order to qualify to take the Regents examination. This course concludes with the Living Environment Regents examination.

PREREQUISITE: Course grade of 85 or better as of the end of the first semester (second quarter) in Earth Science

D145FC ... **DOWLING BIOLOGY ±(4 COLLEGE CREDITS PER SEMESTER) (1 UNIT)
This course is a two-semester program that is a part of the Dowling Early College Program and provides students an introductory college-level Biology course designed for both non-science and science majors. Topics are presented according to a structural and functional hierarchy of organization found in living things. The fundamental concepts of molecular biology, cellular biology, genetics and evolution are covered in the first semester with developmental biology, physiology and anatomy of plants and animals covered during the second. Within the context of this presentation, emphasis will be placed on application of the basic principles that govern the environmental interrelationships and adaptive mechanisms of plants and animals.

Students enrolled in this program will be required to attend a lab period each day in addition to the regular class session with five college credits awarded for each semester successfully completed.

PREREQUISITE: Successful completion of Living Environment with a score of 80 or better on the Living Environment Regents examination; successful completion of a Physical Setting Regents course and Chemistry

GRADE 12

**IF COLLEGE CREDIT IS DESIRED, STUDENTS MUST COMPLETE NECESSARY PAPERWORK AND THE PER CREDIT FEE MUST BE PAID TO THE COLLEGE. COLLEGE CREDIT IS NOT GUARANTEED, BUT IS CONTINGENT UPON A STUDENT’S PERFORMANCE IN CLASS. REFUNDS ARE NOT ISSUED FOR STUDENTS WHO HAVE PAID FOR DOWLING CREDIT, BUT HAVE NOT EARNED THE MINIMUM GRADE DEEMED ACCEPTABLE BY DOWLING COLLEGE. THE FEE FOR THE 2013-14 SCHOOL YEAR WAS $109 PER CREDIT AND IS SUBJECT TO CHANGE BY THE COLLEGE.
**D203FR  … CHEMISTRY REGENTS**  
(1 UNIT)  
This course is designed to provide a general introduction to chemistry. Students that are interested in pursuing a career in a health care field and/or higher education are encouraged to take this course.  
Topics covered include: Matter and energy, Atomic structure, Bonding, Periodic table, Mathematics of chemistry, Kinetics and equilibrium, Acid-base theories, Redox and electrochemistry, Nuclear chemistry and Organic chemistry.  
This full-year course with an alternate day laboratory period satisfies the state requirement for a Physical Setting Regents course. Students must satisfactorily complete at least 1200 minutes of laboratory work in order to qualify to take the Regents examination. This course concludes with the Physical Setting: Chemistry Regents examination.  
**PREREQUISITE:** Passing grade of 65 or better in Living Environment as of the end of the first semester (second quarter) and successful completion of Earth Science and Integrated Algebra.

**D212FH  … CHEMISTRY HONORS +**  
(1 UNIT)  
This course provides students with an enriched exposure to the material presented in the Regents Chemistry syllabus. A more in-depth study of each topic will be provided and extended topics will be introduced. Students seeking a career path in the sciences at the college level are encouraged to enroll in this course.  
This course is designed to prepare students for further study in Chemistry, both at the Advanced Placement and Freshman Chemistry level.  
This is a full-year course with an alternate day laboratory period and satisfies the state requirement for a Physical Setting Regents course. Students must satisfactorily complete at least 1200 minutes of laboratory work in order to qualify to take the Regents examination. This course concludes with the Physical Setting: Chemistry Regents examination.  
**PREREQUISITE:** Successful completion of Earth Science and Living Environment with scores of 80 or better as of the end of the first semester (second quarter).

**D225FA …SUPA / ADVANCED PLACEMENT CHEMISTRY ++**  
(1 UNIT)  
This course is designed to provide those students possessing a strong science background and interest in pursuing science at the college level with a detailed exposure to first year college chemistry. Employing a laboratory based approach, students will apply their understanding of the material covered to real world applications and will be prepared for further study of chemistry once they enter college.  
Students enrolled in this course will be required to take the Advanced Placement examination in May and will be qualified to sit for the SAT II in Chemistry. This course satisfies the state requirement for a Physical Setting science course.  
Syracuse University Project Advance (SUPA) Chemistry is a cooperative program between Syracuse University (SU) and Lindenhurst High School that allows students to enroll in SU courses. Lindenhurst students who successfully complete the course pay a fee per credit set by Syracuse University to earn 8 college credits and an official SU transcript. SUPA  

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Credits are recognized by 90% of colleges and universities nationwide. Fee for the 2013-2014 school-year was $110 per credit and is subject to change by the college. Payment does not guarantee credit; student is subject to Syracuse University guidelines. Syracuse University provides tuition assistance to students who qualify for free or reduced lunch. This is a full-year course with an alternate day laboratory period.

SYRACUSE REGISTRATION AND AP EXAM FEE REQUIRED.

PREREQUISITE: Successful completion of Earth Science, Living Environment and Chemistry and Integrated Algebra with scores of 85 or better on the Earth Science and Living Environment Regents exams; course grade of 85 or higher in current Science course as of the end of the first semester (second quarter)

GRADES 11 & 12

Pending approval.

D305FR … PHYSICS REGENTS (1 UNIT)
This course is designed to introduce students to the basic concepts of physics. The major topics covered include: Mechanics, Energy, Wave phenomena, Electricity and Magnetism, and Modern Physics. Students interested in pursuing further study of science at the college level are encouraged to enroll in this course.

This is a full-year course with an alternate day laboratory period and satisfies the state requirement for a Physical Setting Regents course. Students must satisfactorily complete at least 1200 minutes of laboratory work in order to qualify to take the Regents examination. This course concludes with the Physical Setting: Physics Regents examination.

PREREQUISITE: Successful completion of Living Environment, Earth Science, and Integrated Algebra courses and Regents exams, with a Regents grade of 80 or better on Integrated Algebra and a passing course grade in Chemistry and Algebra 2/Trig as of the end of the first semester (second quarter)

D325FA…..ADVANCED PLACEMENT PHYSICS 1++ (FOR STUDENTS WHO HAVE NOT YET TAKEN A PHYSICS COURSE) (1 UNIT)
D326FA … ADVANCED PLACEMENT PHYSICS 1 ++ (1 UNIT)
This course is designed for students who have demonstrated a strong grasp of science and are seeking to major in some area of science at the college level. Topics in both classical and modern physics will be covered with a detailed laboratory approach fostering student engagement in the practice of science through experimenting, analyzing, making conjectures and arguments, and solving problems in a collaborative setting. Algebra-Based is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits. Students will be required to take the Advanced Placement examination in May and will be eligible to sit for the SAT II in Physics as well as the Physics Regents examination in June.
This is a full-year course with an alternate day laboratory period and satisfies the state requirement for a Physical Setting science course. AP EXAM AND AP EXAM FEE REQUIRED.

Pending Approval

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CURRENT PHYSICS STUDENT PREREQUISITE: Successful completion of Living Environment, Earth Science, Chemistry, and Integrated Algebra with scores of 85 or better on the Earth Science, Living Environment, Integrated Algebra and Chemistry Regents exams and a course grade of 85 or better as of the end of the first semester (second quarter) in Physics R or H

CURRENT CHEMISTRY STUDENT PREREQUISITE: Successful completion of Living Environment, Earth Science, and Integrated Algebra with scores of 85 or better on the Earth Science, Living Environment and Integrated Algebra Regents exams and a course grade of 85 or better as of the end of the first semester (second quarter) in Chemistry R or H

D415FN … FORENSIC SCIENCE (1 UNIT)

This course is designed for students who are interested in studying the science behind the investigation of criminal and civil legal issues by police agencies and the criminal justice system. Focus will be placed on those areas of biology, chemistry, physics and geology that are useful in determining the evidentiary value of crime-scene and related evidence with a minimum of emphasis placed on scientific terminology and equations. Topics to be covered include: an introduction to forensic science, analysis of a crime scene, procedures for collection and processing of evidence forensic, aspects of arson and explosions, forensic serology, DNA and fingerprinting, organic and inorganic analysis, forensic toxicology, and document and voice examination. Students who lack a strong scientific and mathematical background but would like the opportunity to explore the fascinating world of forensic science are encouraged to enroll in this course.

This is a full-year course which satisfies the state requirement for a lab based science credit.

PREREQUISITE: Successful completion of Living Environment and one (1) Physical Setting Regents course and a score of 65 or better on at least one (1) Science Regents examination

GRADES 11 & 12

D415FC … **COLLEGE FORENSIC SCIENCE ± (4 COLLEGE CREDITS PER YEAR) (1 UNIT)

This course provides a college-level introduction to the science behind crime detection emphasizing techniques used in evaluating physical evidence commonly employed in forensic investigations. Topics include methods of organic and inorganic evidence analysis, fingerprints, drug chemistry and toxicology, and serology.

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Syracuse University Project Advance (SUPA) Forensics is a cooperative program between Syracuse University (SU) and Lindenhurst High School that allows students to enroll in SU courses. Lindenhurst students who successfully complete the course earn four (4) college credits and an official SU transcript. SUPA credits are recognized by 90% of colleges and universities nationwide.

SYRACUSE REGISTRATION FEE REQUIRED: Fee for the 2013-14 school-year was $110 per credit, totaling $440 and is subject to change by the college. Payment does not guarantee credit; student is subject to Syracuse University guidelines. Syracuse University provides tuition assistance to students who qualify for free or reduced lunch.

PREREQUISITE: Course average of 85 or above in Living Environment and course grade in Chemistry of 85 or above as of the end of the first semester (second quarter)

GRADE: 12 only

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D425FN ... MARINE BIOLOGY/OCEANOGRAPHY (1 UNIT)
This course will provide students with an introduction to marine biology and oceanography with a focus on applying these fields of study to the local environment here on Long Island. Incorporating several field experiences into the course, students will study the interaction of the Earth’s oceans with the environment and specifically the life contained within it. Topics to be covered include; Chemistry of water, Ocean temperature and vertical stratification, Ocean floor features, Currents and tides, Wave formation, Atolls, Sea mounts and Reef formation, Plankton, Coelenterates, Mollusks, Echinoderms, Gastropods, Crustaceans ichthyology, Marine mammals, Deep sea creatures, Oceans and human use and Human impact on earth’s oceans. This is a full-year course which satisfies the state requirement for a lab based science credit.

PREREQUISITE: Successful completion of Living Environment and one (1) Physical Setting Regents course and a score of 65 or better on at least one (1) Science Regents examination

GRADES 11 & 12
D505FA ... ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE ++ (1 UNIT)
This course is designed to be the equivalent of a one-semester introductory college course in environmental science. Students will be introduced to the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world and will learn to identify and analyze environmental problems both natural and human-made. Additionally, they will learn to evaluate the relative risks associated with these problems and to examine alternative solutions for resolving or preventing them. Topics to be covered include: Interdependence of Earth’s systems, Human population dynamics, Renewable and non-renewable resources, Environmental quality, and Global changes and their impact on the environment and society. Laboratory experiences will be an integral part of this course and students will apply the concepts covered throughout the course to these activities as a means of providing a well-rounded exposure to the course content.

This is a full year course with an alternate day laboratory period. Students enrolled in this course will be required to take the advanced placement examination in May. AP EXAM AND AP EXAM FEE REQUIRED.

PREREQUISITE: Successful completion of Living Environment, Earth Science, and Chemistry with scores of 80 or better on the Living Environment, Earth Science Regents examinations and a course grade of 80 or better in Chemistry as of the end of the first semester (second quarter)

GRADES 11 & 12

SCIENCE RESEARCH PROGRAM (1-4 UNITS)
Through an affiliation with the University in the High School Albany University Science Research program, students will be conducting college-level research into our high school classrooms. Through the programs detailed below, students can earn up to 12 University of Albany credits:

D605FH...INTRODUCTION TO RESEARCH + (1/2 UNIT)
This course is designed to provide an introduction to science research. Students will be given an overview of research techniques and methodology in various fields of the sciences. Students will present their experiences at a district-wide symposium. The class meets for one period, every-other day and is weighted as an honors course. There are no prerequisites.

GRADES 9-12
D606FH…SCIENCE RESEARCH 1 +  

(1/2 UNIT)

Students review scientific literature, design research projects, and present their initial findings at a district-wide symposium and a regional symposium. Students will work to be paired with a mentor and are expected to conduct a minimum of five (5) hours per week of research outside of class meeting time. The class meets for one period, every-other day and is weighted as an honors course.

PREREQUISITE: Successful completion of Introduction to Research course or permission of the Science Research Instructor

GRADES 10 - 12

**SUMMER SCIENCE RESEARCH**

Students will work with a mentor to learn natural science research methodologies, access scientific databases, use online bibliographic search techniques, consult doctoral-level research scholars, develop hypotheses and perform experiments to test them. Successful completion of the course earns two (2) University of Albany credits only.

PREREQUISITE: Successful completion of Science Research 1, be working with an approved mentor, and have the permission of the Science Research Instructor

GRADES 11 & 12

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D607FC…**SCIENCE RESEARCH 2 ±**  

(1/2 UNIT)

Students will continue to work with a mentor to learn natural science research methodologies, access scientific databases, use online bibliographic search techniques, consult doctoral-level research scholars, develop hypotheses and perform experiments to test them. Students will participate in writing research papers and make presentations at a district-wide symposium and regional symposia. Students are expected to conduct a minimum of five (5) hours per week of research outside of class meeting time. Successful completion of the course earns four (4) University of Albany credits. The class meets for one period every-other day and is weighted as an honors course.

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PREREQUISITE: Successful completion of Research 1, be working with an approved mentor and have the permission of the Science Research Instructor

GRADES: 11 & 12

**IF COLLEGE CREDIT IS DESIRED, STUDENTS MUST COMPLETE NECESSARY PAPERWORK AND THE PER CREDIT FEE MUST BE PAID TO THE COLLEGE. COLLEGE CREDIT IS NOT GUARANTEED, BUT IS CONTINGENT UPON A STUDENT’S PERFORMANCE IN CLASS. REFUNDS ARE NOT ISSUED FOR STUDENTS WHO HAVE PAID FOR COLLEGE CREDIT, BUT HAVE NOT EARNED THE MINIMUM GRADE DEEMED ACCEPTABLE BY THE COLLEGE. THE FEE FOR THE 2013-14 SCHOOL YEAR WAS $120 PER COURSE AND IS SUBJECT TO CHANGE BY THE COLLEGE.

D608FC...**SCIENCE RESEARCH 3 ± (1/2 UNIT)

This is the third year of University of Albany Research through which students continue to work with a mentor to further expand their knowledge of natural science research methodologies, access scientific databases, use online bibliographic research techniques, consult doctoral-level research scholars, develop hypotheses and perform experiments to test them. Students will participate in writing research papers and make presentations at a district-wide symposium and regional symposia. Students are expected to conduct a minimum of five (5) hours per week of research outside of class meeting time. Successful completion of the course earns four (4) University of Albany credits. The class meets for one period every-other day and is weighted as an honors course.

PREQUISITE: Successful completion of Science Research 1 and Science Research 2, be working with an approved mentor, and have the permission of the Science Research Instructor

GRADE 12

**IF COLLEGE CREDIT IS DESIRED, STUDENTS MUST COMPLETE NECESSARY PAPERWORK AND THE PER CREDIT FEE MUST BE PAID TO THE COLLEGE. COLLEGE CREDIT IS NOT GUARANTEED, BUT IS CONTINGENT UPON A STUDENT’S PERFORMANCE IN CLASS. REFUNDS ARE NOT ISSUED FOR STUDENTS WHO HAVE PAID FOR COLLEGE CREDIT, BUT HAVE NOT EARNED THE MINIMUM GRADE DEEMED ACCEPTABLE BY THE COLLEGE. THE FEE FOR THE 2013-14 SCHOOL YEAR WAS $120 PER COURSE AND IS SUBJECT TO CHANGE BY THE COLLEGE.
LANGUAGES OTHER THAN ENGLISH (LOTE) AND ENGLISH AS A SECOND LANGUAGE (ESL)

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E315FR ... ITALIAN A1 (1 UNIT)
E415FR ... SPANISH A1 (1 UNIT)

Language A1 is an introduction to the second language. Students are acquainted with basic listening, speaking, reading and writing skills in the language of their choice. Emphasis is on the skills of listening and speaking, with reading and writing skills to be developed at a more advanced level. Students are also taught about the land and culture of the people whose language they are studying.

E325FR ... ITALIAN A2 (1 UNIT)
E425FR ... SPANISH A2 (1 UNIT)

Language A2 continues the introduction to the second language with stronger emphasis on reading and writing skills. Once again, the target culture is broadly studied.

PREREQUISITE: Language A1 or the permission of the Foreign Language Coordinator
Language B1 is the first year of Intermediate Language Study. While continued attention is devoted to speaking and listening skills in the second language, reading and writing skills are more strongly emphasized.

PREREQUISITE—HONORS LEVEL: Language A2 grade of 90 or better as of the end of the first semester (second quarter)

Language B1A is offered to students who have successfully completed a language Sequence and would like to acquire an additional language as an elective.

PREREQUISITE: Successful completion of a language up to and including Language A2

Language B2 is the conclusion of Intermediate Language Study. Students are prepared for the Checkpoint B Exam (formerly the Regents Examination) in the target language.

PREREQUISITE: Language B1; HONORS LEVEL: Language B1 grade of 90 or better as of the end of the first semester (second quarter)

Language C is designed to allow students to apply the previously ascertained skills of listening, speaking, reading and writing in real-life, communicative situations. Students completing Level C will satisfy the requirements for a three (3) Unit Sequence in Foreign Language.

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PREREQUISITE: Language B2; HONORS LEVEL: Language B2 grade of 90 or better as of the end of the first semester (second quarter)

GRADUES: 10 - 12

E144F...**ADELPHI UNIVERSITY FRENCH ±  (3 COLLEGE UNITS PER SEMESTER/
6 COLLEGE UNITS PER YEAR)
E244F...**ADELPHI UNIVERSITY GERMAN ±  (3 COLLEGE UNITS PER SEMESTER/
6 COLLEGE UNITS PER YEAR)
E344F...** ADELPHI UNIVERSITY ITALIAN ±  (3 COLLEGE UNITS PER SEMESTER/
6 COLLEGE UNITS PER YEAR)
E444F ... **ADELPHI UNIVERSITY SPANISH ± (3 COLLEGE UNITS PER SEMESTER/
6 COLLEGE UNITS PER YEAR)

A college level course taught by high school faculty who have been approved by the appropriate academic departments at Adelphi University. The program provides high school students with the opportunity to earn college credit prior to graduating from high school. Units are transferable to other colleges and universities. (In a recent study by Adelphi, 95% of the students who requested transfer credit received it; however, if a student has questions about a particular institution, that student should contact the institution directly concerning its transfer credit policy).

PREREQUISITE: Language C grade of 80% or better by the end of the first semester (second quarter)

**IF COLLEGE CREDIT IS DESIRED, STUDENTS MUST COMPLETE NECESSARY PAPERWORK AND THE PER CREDIT FEE MUST BE PAID TO THE COLLEGE. COLLEGE CREDIT IS NOT GUARANTEED, BUT IS CONTINGENT UPON A STUDENT’S PERFORMANCE IN CLASS. REFUNDS ARE NOT ISSUED FOR STUDENTS WHO HAVE PAID FOR COLLEGE CREDIT, BUT HAVE NOT EARNED THE MINIMUM GRADE DEEMED ACCEPTABLE BY THE COLLEGE. FEE FOR THE 2013-14 SCHOOL YEAR WAS $315 PER COURSE AND IS SUBJECT TO CHANGE BY THE COLLEGE.
The English as a Second Language Program aims to integrate students who speak little or no English into their American community as quickly as possible. The purpose of the program is to improve these students’ listening, speaking, reading and writing skills in English. The program tries to promote an understanding and appreciation of the new culture in which the student now lives, as well as preserve the student’s identity with his/her own native culture.

PREREQUISITE: District screening procedure for foreign speaking students
TYPICAL VISUAL ARTS SEQUENCES

** Meets Art/Music requirement for graduation

YEAR 1

** Studio Art – 1 Unit
** Advanced Studio Art – 1 Unit
(**) Theatre Arts – 1 Unit
See Below
Digital Photography IA- (A/B day for full year) – 1/2 Unit

YEAR 2

Drawing - 1 Unit
Painting - 1 Unit
Sculpture & Ceramics - 1 Unit
Fashion Illustration and Textile Design – 1 Unit
Computer Graphics – 1 Unit
(**) Communications Media I – 1 Unit
See Below
Advanced Digital Photography – 1 Unit

YEAR 3 & 4

Portfolio Workshop - 1 Unit
AP Art 2D or AP Studio Art - Drawing – 1 Unit
Digital Photo Portfolio Preparation – 1 Unit
Communications Media II – 1 Unit
Communications Media Portfolio – 1 Unit
Advanced Computer Graphics – 1 Unit
Dowling Advanced Graphic Design - 1 Unit

All courses may be used for a five year sequence to partially satisfy the requirements for the Regents Diploma with Advanced Designation.

(**) One unit of Fine Arts credit towards graduation pending NYS Education Dept. approval.
ART

J505FE ... STUDIO ART ** (1 UNIT)
Studio Art is a comprehensive foundation course. It is a pre-requisite to all elective art courses except Digital Photography, Theater Arts, and Computer Arts. Studio Art offers an overview of techniques, skills, and processes to create artworks in a variety of media. Studio will develop an understanding of the elements and principles of art and apply them to create their own art. This project-based class will use a variety of art materials, tools and digital technology to create two and three dimensional works. Studio Art encourages students to think creatively, increase their ability to observe and gain an appreciation of the art making process. Students will gain an awareness of the cultural contributions of visual art in society today and throughout history.

PREREQUISITE: None
GRADES: 9 – 12

J615FE ... THEATRE ARTS (** Pending NYS Ed. Dept. approval) (1 UNIT)
This course is designed for students who have an interest in drama, set and costume design and music. The Theater Arts curriculum exposes students to the various disciplines called strands, involved in drama and musical theater. The strands are taught in a rotation during the first semester. Emphasis is placed on the performer, scenic design and painting, prop making, costuming, back-stage tasks and make-up techniques. Students perform and present at the conclusion of each strand and a final production is presented in June. NOTE: This course may be repeated for course credit.

PREREQUISITE: NONE
GRADES: 9 – 12

J525FE ... ADVANCED STUDIO ART ** (1 UNIT)
Studio Art is a comprehensive foundation course. It is a prerequisite to all elective art courses, except Photography, Communications Media and Theatre Arts. The course offers a wide variety of Art experiences based on the understanding, knowledge, appreciation and application of the fundamental elements and principles to all art forms. Some of the basic areas covered are: DRAWING, PAINTING, FORM, COMPOSITION, COLOR, PERSPECTIVE DESIGN, LETTERING 3D, COLLAGE, LINE AND ART APPRECIATION.

PREREQUISITE: 8th Grade Advanced Studio Art
GRADE: 9

J405SE ... DRAWING (1 UNIT)
The drawing section covers a basic exploration of a variety of techniques using pencil, ink, charcoal and pastels. Students will learn how to successfully draw a wide variety of subject matter while experimenting with different color schemes and compositions. This course further develops students’ understanding of drawing techniques and introduces more complex methods of image development. The principal elements of two-dimensional design will be

...continued on next page
covered in greater depth. Students will continue to analyze and critique artworks to gain a deeper understanding of the cultural contributions of visual art in the context of history. Students are expected to develop a portfolio of their artworks, either originals or photographs in order to prepare for college or career applications.

PREREQUISITE: Studio Art

GRADES 10 - 12

J715SE ... PAINTING (1 UNIT)

Painting is designed to help further the following skills; the use of painting materials, the ability to observe and an awareness and appreciation of art, past and present. Instruction in this class will cover color theory, mixing and applying paint to canvas to achieve a variety of effects, composition, design elements and principles and various painting movements. As skills are developed, the growth of each individual student’s style is encouraged. Students will continue to analyze and critique artworks to gain a deeper understanding of the cultural contributions of visual art in the context of history. Students are expected to develop a portfolio of their artworks, either originals or photographs in order to prepare for college or career applications.

PREREQUISITE: Studio Art

GRADES 10 – 12

J725FE ... SCULPTURE & CERAMICS (1 UNIT)

This course is designed to develop the student’s ability to combine materials in an aesthetic manner. This 3D studio environment will delve into a variety of media. Some of the processes covered are assemblage, carving, casting and relief sculpture. Ceramics students will use clay to produce historical, contemporary and cultural pottery. Hand building with coils and slabs, wheel throwing, glazing and exploration of textures are involved. Self-discipline and a willingness to seek new challenges are expected. Students will continue to analyze and critique artworks to gain a deeper understanding of the cultural contributions of visual art in the context of history. Students are expected to develop a portfolio of their artworks, either originals or photographs in order to prepare for college or career applications.

PREREQUISITE: Studio Art

GRADES: 10 – 12
J735FE ...  FASHION ILLUSTRATION AND TEXTILE DESIGN  (1 UNIT)
The course is designed for students to develop and draw fundamental figures with proportion through life drawing and analysis of photographs to create fashion illustrations. Current and historical trends are stressed. Design solutions, draping techniques, hand sewing skills and accessories will be covered. Students explore the design potential of textile design found in geometry and nature. Emphasis will be placed on an overview of the history of fashion and textile design from pre-history through Egyptian, Greek, Roman, and Renaissance periods into the modern era. Basics of color and design principles are stressed with various mediums such as pencil, charcoal, ink, pastel and watercolor. Students will continue to analyze and critique artworks to gain a deeper understanding of the cultural contributions of visual art in the context of history. Students are expected to develop a portfolio of their artworks, either originals or photographs in order to prepare for college or career applications.

PREREQUISITE: Studio Art
GRADES: 10 - 12

J901SE ...  PORTFOLIO WORKSHOP  (1 UNIT)
Portfolio Workshop is an advanced art class for those students who plan on continuing to study art and/or architecture at the college level. The main focus of this class is the student’s individual portfolio development. Students will continue to develop their artistic styles while increasing their individual skills in technique. This course will provide students with opportunity to further develop their portfolios in preparation for the AP Studio Art course as well develop a comprehensive portfolio for college admissions.

PREREQUISITE: Drawing or Painting
GRADES 11 & 12

J545AE ...  DIGITAL PHOTOGRAPHY IA  (A/B DAY FULL YEAR)  (1/2 UNIT)
This course involves the integration of traditional photographic formats, i.e. camera handling, composition, lighting & design with digital visual communication tools for the desktop computer. Major emphasis is placed on successfully using Adobe Photoshop, a program that can expand the visual vocabulary of photographers, designers and illustrators. Students will be able to see the importance of computers and technology, while creatively expressing ideas through color photo images. Cameras are required.

PREREQUISITE: None
GRADES: 9 – 12
J555FE … ADVANCED DIGITAL PHOTOGRAPHY II (1 UNIT)
Continuation of Basic Digital Photography with an emphasis on the expansion of the concepts and techniques photography covered in the basic course, highlighting the development of a student’s individual photographic style. Cameras are required.

PREREQUISITE: Digital Photography IA
GRADES: 10 – 12

J903FE … DIGITAL PHOTOGRAPHY PORTFOLIO PREPARATION (1 UNIT)
This advanced digital photography course is designed for students who have successfully completed both Digital Photography I and Digital Photography II (Advanced Photography). The main focus of Digital Photography Portfolio Preparation is the development of the student’s own individual artistic photographic style, which is achieved through the student’s quarterly exploration of a single photographic style, subject matter or movement. The result is the completion of 4 mini portfolios, a broader knowledge of photography as a fine art and students will develop a comprehensive portfolio of quality works that can be used for college admissions.

PREREQUISITE: Digital Photography I, Digital Photography II and the recommendation of the teacher
GRADES: 11 & 12

J575FE … COMMUNICATIONS MEDIA I (**Pending NYS Ed. Dept. approval) (1 UNIT)
This course gives students a practical introduction to the fundamentals of video production. Through the viewing, analyzing and critiquing of both professional film and prior student work, students will observe techniques and apply them to their own work. Course content will also include scripting scenarios and storyboarding (illustrating) scenes for video projects. Students will learn to apply the elements and principles of design and movement using video cameras and non-linear editing workstations. NOTE: This course can be taken as one unit of Fine Arts credit towards graduation, pending NYS Education Dept. approval.

PREREQUISITE: Studio Art or Digital Photo
GRADES: 10 – 12

J585FE … COMMUNICATIONS MEDIA II (1 UNIT)
This course builds on the fundamentals that are established in Communications Media I. It gives students a disciplined approach to the principals and practical application of video production. Students will focus on directing short field productions. Emphasis will be placed on pro-production (scripting/storyboarding), production (camera work), and post-production (editing/critical analysis). As this is an advanced class, students will be working more independently and are required to be in attendance for after school and weekend activities.

PREREQUISITE: Media I
GRADES: 11 & 12
J595FE … COMMUNICATIONS MEDIA PORTFOLIO  (1 UNIT)
Communications Media Portfolio is a class designed for the student that has successfully completed both Communications Media 1 and 2 and is possibly considering a career in either TV studio production or film. In addition to remaining current and active in their third year with other like-minded media students such as participating in live edits and in school interning with MSG Varsity, there are two elements in mind for the Media Portfolio student. The media portfolio student will continue to refine his or her skills as it relates to camera work and editing, building on previous learned skills. Additionally, an emphasis will be placed on writing for and collecting content based on the needs of the actual piece being developed. The student will also look critically at what they have created, make edits and refine and will create new work with the ultimate goal of creating an interactive portfolio (a DVD complete with finished work, behind the scenes and other material that would help to present student thought process and growth) that spans the student’s three years of work in the Lindenhurst High School Media Program.

PREREQUISITE: Media I, II and recommendation of teacher
GRADES: 11 & 12

J605FE … COMPUTER GRAPHICS  (1 UNIT)
This course is designed for any students interested in applying their creativity through the computer. Students will be exposed to major software currently used in the Graphic Art Industry. A variety of projects will be covered ranging from freehand drawings to completely computer-generated art. A strong focus on creativity, basic art concepts, advertising, and computer skills will be emphasized.

PREREQUISITE: Studio Art, Digital Photography I or Media I
GRADES: 10 – 12

J706FE … ADVANCED COMPUTER GRAPHICS  (1 UNIT)
The Advanced Computer Graphics is an extension of the Basic Computer Graphics course. Students will choose a concentration and contract in an area of their interest. A portfolio of professional finishes will be expected upon completion of this course. Contract areas to choose from include Digital Art, Advertising, Animation, Web Graphics, etc.

PREREQUISITE: Computer Graphics
GRADES: 10 – 12
**DOWLING ADVANCED GRAPHIC DESIGN + (3 COLLEGE CREDITS) (1UNIT)**

This is a computer studio lab class that deals with advanced concepts in graphic design. The class will emphasize practical solutions and individual approaches to design oriented problem solving through professional standards or execution.

PREREQUISITE: Computer Graphics

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**AP ART 2D OR 3D ++ (1 UNIT)**

AP STUDIO ART: DRAWING

This course is a college-level course for very serious and advanced artists. Students are required to work on and submit either a general or drawing portfolio. The portfolios will be judged in the areas of: a. Quality; b. Concentration; and c. Breadth, with a central theme encompassing all work. Five pieces of original art and digital portfolio will be submitted to the College Board for grading. All work has to be submitted according the Board’s specifications. This course is an appropriate complement to required and elective course in art and is open to students upon successful completion of Studio Art and one credit in Art Elective. AP art students will complete the course having a comprehensive portfolio or quality works that can be used for college admissions.

AP EXAM AND AP EXAM FEE REQUIRED.

PREREQUISITE: Drawing, Painting, or Portfolio

GRADERS 11 & 12
# TYPICAL PERFORMING ARTS SEQUENCES

**Meets Art/Music requirement for graduation**

## YEAR 1

- **Theatre Arts** — 1 Unit  
  See Below
- **General Chorus** — 1 Unit
- **Concert Band** — 1 Unit
- **Symphony Orchestra** — 1 Unit
- **Music Theory** — 1 Unit

## YEAR 2

- **Dance I** — 1 1/2 Units  
  See Below
- **Concert Choir** - 1 Unit
- **Symphonic Band** - 1 Unit
- **Symphony Orchestra** — 1 Unit
- **Music Theory** — 1 Unit

## YEAR 3 & 4

- **Dance II** - 2 Units
- **Concert Choir** - 1 Unit
- **Symphonic Band** - 1 Unit
- **Symphony Orchestra** — 1 Unit
- **Music Theory** — 1 Unit

All courses may be used for a five year sequence to partially satisfy the requirements for the Regents Diploma with Advanced Designation.

(**) One unit of Fine Arts credit towards graduation pending NYS Education Dept. approval.
PERFORMING ARTS

MUSIC/DANCE

J905FE … GENERAL CHORUS** (1 UNIT)
This course is open to all students who enjoy singing and would like to get involved in the choral music program. No audition is required. Students are required to perform at the winter and spring concerts during the school year. As a course requirement, students are legally excused from one class period per week on a rotating basis for vocal lessons. The periods of the day vary as per faculty schedule. This course may be taken more than one year. This course is also offered for ½ unit credit as (A, B) day. NOTE: This course may be repeated for course credit.

PREREQUISITE: None
GRADES 9 – 12
NO AUDITION IS REQUIRED

J925FE … CONCERT CHOIR** (1 UNIT)
This course is open to all 10th, 11th and 12th grade students who pass a simple audition. Music sung represents all styles and provides a broad basis for cultural enrichment. Choir members are eligible to audition for Suffolk County High School Chorus, and New York State All-State. Besides performing at school concerts, the chorus will sing upon request at special events in and out of school. Small groups sometimes represent the choir as a whole. As a course requirement, students are legally excused from one class period per week on a rotating basis for vocal lessons. The periods of the day vary as per faculty schedule. NOTE: This course may be repeated for course credit.

PREREQUISITE: General Chorus, Audition, recommendation of General Chorus Director
GRADES 10 - 12

J745FE … CONCERT BAND ** (1 UNIT)
This is one of two bands in the band program at Lindenhurst High School. This course emphasizes the reading and development of contemporary as well as the standard band literature. Special emphasis is placed upon balance, blend, intonation, articulation, technique and interpretation as well as basic music theory and sight-reading. In addition, students are encouraged to participate in the NYSSMA solo festival by preparing individual solos for performance and evaluation by a professional adjudicator. Members receiving successful evaluation are eligible to be considered for local, county and state festivals. Two (2) school concerts a year (winter and spring), as well as, touring in district at various award ceremonies and graduations, and out of district at various festivals and performances. Students must attend all public performances.

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As a course requirement, students are legally excused from one class per week on a rotating basis for lessons. The periods of the day vary as per faculty schedule. This band is essentially a high school training ensemble. All are welcome and no audition is necessary for this ensemble. This course is also offered for ½ unit credit as alternate (A,B) day. NOTE: This course may be repeated for course credit.

GRADES 9 – 12

J935FE ... SYMPHONIC BAND  **  (1 UNIT)

This is one of two bands in the band program at Lindenhurst High School. This course emphasizes the reading and development of contemporary as well as the standard band literature. Special emphasis is placed upon blend, intonation, articulation, technique and interpretation as well as basic music theory and sight reading. In addition, students are encouraged to participate in the NYSSMA solo festival by preparing individual solos for performance and evaluation by a professional adjudicator. Members receiving a successful evaluation are eligible to be considered for local, county and state festivals. Two school concerts a year (winter and spring) as well as touring, in district, at various award ceremonies and graduations, and out of district at various festivals and performances. Students must attend all public performances.

As a course requirement, students are legally excused from one class per week on a rotating basis for lessons. The periods of the day vary as per faculty schedule. This band consists of selected instrumentalists usually reserved for those wind and percussion performers who have had previous training. Since this is the elite ensemble of the Band Program, students must exhibit superb musicianship, maturity and dedication and are expected to participate at all activities and performances. This course is also offered for ½ unit as alternate day (A,B). NOTE: This course may be repeated for course credit.

PREREQUISITE: Concert Band, recommendation of Concert Band Director, Audition

GRADES 10 – 12
J865FE ... SYMPHONY ORCHESTRA ** (1 UNIT)
This course is for intermediate to advanced string students. This course will allow students to acquire and reinforce necessary skills, habits and techniques for effective musical expression. Orchestral literature chosen reflects a variety of genres that span the major musical periods. Requirements include public ensemble performances, such as the winter and spring concerts as well as small group lessons. Students will be legally excused from their class to attend a weekly lesson that will be scheduled on a rotating basis. This course can be taken more than once. This course is also offered for ½ unit credit as alternate (A, B) day. NOTE: This course may be repeated for course credit.

PREREQUISITE: Successful completion of precious year’s Orchestra course and recommendation of the Orchestra Director

GRADES 9 – 12

J785FE ... MUSIC THEORY ** (1 UNIT)
Music Theory will begin with basic music notation and progress to the study of major/minor scales, key signatures, intervals, triad, rhythm notation, and voice leading. Students will also be trained in aural skills including identifying scales, intervals, triads, dictation and sight singing. Upon mastering the rudiments of music, there will be corresponding assignments incorporating music notation/sequencing software such as GarageBand, Finale and Sibelius, with the Macintosh MIDI stations within the classroom. The ability to read music is requirement.

PREREQUISITE: The ability to read music

GRADES: 9 – 12

J795SE ... APPLIED MUSIC STUDY (1/2 UNIT)
A student studying privately with a qualified music teacher must take one lesson a week for not less than 30 minutes in length for a minimum of 36 weeks during the school year, plus a minimum of five hours of practice a week. Applications may be obtained in the Music Department Office at the beginning of the school year. Membership in Band, Choir, Orchestra or enrollment in a course in the Music Department, is MANDATORY for this program.

PREREQUISITE: Approval of department coordinator

J615FE ... THEATRE ARTS (** Pending NYS Ed. Dept. approval) (1 UNIT)
This course is designed for students who have an interest in drama, set and costume design and music. The Theater Arts curriculum exposes students to the various disciplines called strands, involved in drama and musical theater. The strands are taught in a rotation during the first semester. Emphasis is placed on the performer, scenic design and painting, prop making, costuming, back- stage tasks and make-up techniques. Students perform and present at the conclusion of each strand and a final production is presented in June. NOTE: This course may be repeated for course credit.

PREREQUISITE: None

GRADES: 9 – 12

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J955FE  ...DANCE I (** Pending NYS Ed. Dept. approval)  
(1 1/2 UNITS)
This course will satisfy the Arts requirement for graduation as well as the physical education requirement for each year enrolled. Using a modern dance-based approach, Dance explores movement as a creative art form. Student learning includes opportunities to develop kinesthetic awareness, proper body alignment, physical strength, flexibility, endurance and care of the dance instrument while exploring improvisational and expressive movement and basic modern dance technique. Dance elements and basic principles of composition are studied and practiced. Through dance ensemble work, students use creative and critical thinking skills to create and communicate meaning through dance movement. Students experience the role of both choreographer and dancer and have opportunities to present their work. Through the study of dance in various cultures and historical periods, students broaden their understanding of dance as an art form. Students will explore a variety of career opportunities in dance as well as connections with other art forms and subject areas. Students will create a portfolio, which contains written and visual examples of their work. NOTE: This course can be taken as one unit of Fine Arts credit towards graduation, pending NYS Education Dept. approval.

GRADES:  10 - 12

J956FE  ... DANCE II **  
(2 UNITS)
This course will satisfy the Arts requirement for graduation, and satisfy the physical education requirement for each year enrolled. Students will examine dance as an art form and a career, expanding upon knowledge gained in Dance I. Students will continue to work on dance technique and performance, as well as discuss, research, view and write about dance. Students will also focus on choreography. In the fall, special emphasis will be placed on preparation for college auditions and the creation of portfolios and resumes.

PREREQUISITE: Dance I, Audition, and recommendation of the Dance Instructor

GRADES:  10 - 12
The Business Education Department has courses and programs to meet a variety of student interests and needs. A large number of Lindenhurst students who pursue a two-year or four-year college degree will major in some aspect of business or communications. This is not surprising when we consider that most jobs will require a business background. These courses provide access to higher-paying employment. They also provide a sound foundation for a college education, and for individuals planning on opening their own businesses.

Courses in the Business Department are organized into 3 state approved career pathways. Students who complete a five-unit sequence in Career Technical Education will receive a CTE endorsement on their diploma, and may substitute the sequence for the second and third required unit in foreign language to achieve a Regents Diploma with Advanced Designation. Choose courses from one of the columns below and on the next page.

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<td>Intermediate &amp; Advanced Course(s)</td>
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<td>Intermediate &amp; Advanced Course(s)</td>
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</table>
REQUIRED COURSE:

**Business Financial Management**

- Financial Investments & Decision Making (Dowling)
- Business & Personal Law (College)
- Principles of Marketing (College)
- Cooperative Work Experience (1/2 to 2 High School Credits)

**Fashion Retail Merchandising**

- Advanced Fashion Sewing and Textiles
- Cooperative Work Experience (1/2 to 2 High School Credits)

**Computer Information Systems**

- Object Oriented Programming - Visual Basic (1/2 Year)
- Object Oriented Programming - Java (1/2 Year)
- AP Computer Science

Intermediate & Advanced Course(s)

- **Business Financial Management**
- Fashion Retail Merchandising
- Computer Information Systems

College Credit(s) & Post-Secondary Credit

- 15 College Credits may be earned
- 6 College Credits may be earned
- 3 to 24 College Credits may be earned
- Dowling College SUNY Farmingdale
- Dowling College SUNY Farmingdale
- MOS Certifications recognized by over 6000 post-secondary schools & AP credits may be awarded

**FO01SE ...CAREER AND FINANCIAL MANAGEMENT** (1/2 UNIT)

**FO01AE ...CAREER AND FINANCIAL MANAGEMENT** (FULL YEAR A/B Day)

The purpose of this course is to provide students with the opportunity to learn about the features of our economy, explore a variety of careers, learn the skills and competencies needed for success in the workplace and begin to become financially literate. This is a required course for students graduating with a career and technical education sequence.

Students who successfully complete this class will be able to:

- Target a potential career path through self-evaluation.
- Prepare a job application, resume, and perform a job interview confidently.
- Develop a personal budget and manage money responsibly.
- Handle human relations issues with co-workers, the public and supervisors, as well as stress, conflict, change, and decision-making.

**GRADES: 9 – 12**

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BUSINESS FINANCIAL MANAGEMENT PATHWAY

F263SE ... MARKETING  (Fall)  (1/2 UNIT)
Marketing is a tool that has allowed the U.S. economy to be one of the most successful in the world. This course will take you on a step-by-step journey through the world of marketing. You will learn the basic functions of marketing and how those functions are applied in business.

PREREQUISITE: None
GRADES: 9 – 12

F264SE ... MANAGEMENT  (Spring)  (1/2 UNIT)
This course is an introduction to management as a unifying theme in all aspects of business. General topics include management styles, management of facilities, and management of institutions. Individual topics include strategic planning and the social sciences, marketing and public relations, multicultural issues, and research. Interactive team projects, guest speakers and field trips will enhance the classroom learning.

PREREQUISITE: None
GRADES: 9 – 12

F255FE ... BUSINESS and PERSONAL LAW  (1 UNIT)
F255FC ** BUSINESS and PERSONAL LAW ± COLLEGE CREDIT  (1 UNIT)
These courses emphasize the relationship of Business Law to an individual's personal and occupational life. Many interesting topics include: LAND MARK CASES which involve students' rights, negligence, contracts, civil and criminal law. Major emphasis in COLLEGE LAW will be placed on topics such as corporate law, sports law, labor issues and collective bargaining. These courses are designed to benefit those students who wish to pursue a career in law, criminal justice, or related fields. ENRICHMENT: FIELD TRIPS-People's Court TV Show, Criminal & Civil Courts, and GUEST SPEAKERS. COLLEGE CREDIT –FARMINGDALE STATE

PREREQUISITE: None
GRADES: 10-12 / COLLEGE CREDIT 11 - 12

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Microsoft Office offers a broad overview of modern business organization and operation. Students learn that today’s businesses rely on a variety of systems to complete transactions as they adapt to the information age. Students examine how businesses are organized to provide products and services, to meet customers’ needs and wants. Learn the power of spreadsheets, databases, graphics, word processing and PowerPoint presentations. Using the popular software from Microsoft Office Suite, applications extend to engineering, science, writing, healthcare, education, graphic arts and business. Students learn how businesses use the computer as a tool to gather and analyze information used in decision-making.

MOS, an industry certification, will be made available to students at the completion of the Computer Information Pathway.

PREREQUISITE: None (Knowledge of personal keyboarding highly recommended.)

GRADES: 9 – 12

This is a course for the advanced office education student. Emphasis will be placed on further development of skills using the Microsoft Office Suite (Excel, Access, PowerPoint, and Word). ADVANCED MOS, an industry certification, will be made available to students at the completion of the Computer Information Pathway.

PREREQUISITE: MICROSOFT OFFICE

GRADES: 10 – 12

This course is designed for those students that are interested in being a part of the most exciting and lucrative industries of the future. Basic marketing principles such as product, place, price and promotion will be studied and applied in sports and other rapidly growing dynamic industries. Members of this class may elect to take this course for three college credits from Farmingdale State. The students will actively use their skills to promote events; create advertisements, and various other activities. Guest speakers as well as field trips will enhance the classroom learning process.

Topics discussed include advertising, contracts, negotiations, promotions, market analysis, research, merchandising, consumer behavior, careers in the industry, and much more.

PREREQUISITE: None

GRADES: 11 – 12

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**COLLEGE ACCOUNTING I ± COLLEGE CREDIT (1 UNIT)**

College Accounting is a course designed for the average college-bound high school junior or senior who is planning to major in Accounting, Business Administration, Marketing, Retailing, Criminal Justice or Pre-Law in college. The main objective of this course is to develop a working knowledge of financial accounting. This foundation course will expose the student to basic accounting concepts. Students will learn to record transactions and prepare financial statements. Study will provide the groundwork for future work in accounting, business or law.

Under the agreement with Dowling College, is offered for college as well as high school credit. Students may opt to take this course for 3 college credits.

PREREQUISITE: None

GRADES: 10 – 12 / COLLEGE CREDIT 11 - 12

F055FC...**COLLEGE ACCOUNTING II ± COLLEGE CREDIT**

College Accounting II is a continuation of Introduction to College Accounting I. A major goal of this course is to provide the students with the skills necessary to interpret and use Accounting information intelligently and effectively. The course provides the student with a strong foundation for subsequent courses in business, law, finance and accounting.

College Accounting II, under an agreement with Dowling College, is offered for college as well as high school credit. Students may opt to take this course for 3 college credits.

PREREQUISITE: College Accounting I

GRADES: 11 – 12

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**F275CE ** ... **FINANCIAL INVESTMENTS & DECISION MAKING ± DOWLING COLLEGE (1 UNIT)

How to become a millionaire! Students will develop knowledge of different types of investments: savings accounts, mutual funds, stocks, bonds, CD's, pension plans, options mortgages and much more. Emphasis is placed on investments and finance. Students will participate in the INVESTOPEDIA game. Enrichment will consist of guest speakers, field trips, the stock market contest and classroom lectures and activities.

**Students who successfully complete this course will be able to:**

- Comprehend the stock market and learn how to make wise business decisions.
- Plan, save and invest money for the long and short term.
- Analyze and discuss recent trends in business such as downsizing business take-overs, quality management and re-engineering.
- Read and interpret a company's annual report.
- Understand why businesses succeed and why they fail.

**PREREQUISITE:** None  
**GRADES:** 10 – 12 / COLLEGE CREDIT 11 – 12

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FASHION RETAIL MERCHANDISING PATHWAY

F365SE … FASHION MERCHANDISING I A  (1/2 UNIT)
This course is a basic introduction to the terminology and fundamentals of the fashion industry. Students will be introduced to the various business areas and activities in the fashion industry. It will also: analyze how fashions are designed & developed; how to reach the customer; sourcing for manufacture, exporting & importing; costing & pricing structures; and the career & business opportunities available in the industry.

PREREQUISITE: None
GRADE LEVEL: 9 – 12

F365AE … FASHION MERCHANDISING I A  (Full Year A/B Day)

F465SE … FASHION MERCHANDISING I B  (Spring)  (1/2 UNIT)
Students will develop an understanding of the fashion industry as a major segment of the global economy, including the history and growth of the industry. Students are introduced to core marketing activities including market segmentation, market research, consumer behavior, product strategy, pricing, promotion and distribution. Students will be able to analyze fashion trends and directions of apparel and be familiar with current designers and manufacturers. Students will study fashion classification, garment detail and construction, sources of fashion information and the modern history of fashion. This course introduces the various principles and methods of advertising and promotion used by producers, manufacturers, designers and retailers in the fashion industry. Students will analyze how marketing objectives and strategies influence advertising and other forms of promotion. Guest speakers and field trips will enhance the learning process.

PREREQUISITE: Fashion 1A
GRADE LEVEL: 9 – 12

H105FE… FASHION, SEWING AND TEXTILES  (1 UNIT)
The practical value of sewing with the application of technological advances in today’s sewing industry is explored in this introductory, hands-on course. Students make decisions with regard to clothing and textiles, solve fit problems, demonstrate sewing machine operation and care, select patterns and fabrics and complete clothing projects in class. They develop their creative talents with individualized projects and utilize resource management and communication skills in designing and evaluating them. Practical techniques are applied to clothing care, mending and repairing and career opportunities in the apparel industry are explored.

PREREQUISITE: None
GRADES: 9 – 12

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F012FE …MICROSOFT OFFICE (1 UNIT)
Microsoft Office offers a broad overview of modern business organization and operation. Students learn that today’s businesses rely on a variety of systems to complete transactions as they adapt to the information age. Students examine how businesses are organized to provide products and services, to meet customers’ needs and wants. Learn the power of spreadsheets, databases, graphics, word processing and PowerPoint presentations. Using the popular software from Microsoft Office Suite, applications extend to engineering, science, writing, healthcare, education, graphic arts and business. Students learn how businesses use the computer as a tool to gather and analyze information used in decision-making.

MOS, an industry certification, will be made available to students at the completion of the Computer Information Pathway.

PREREQUISITE: None (Knowledge of personal keyboarding highly recommended.)
GRADES: 9 – 12

F565FC … **DOWLING PRINCIPLES OF MARKETING (FASHION MERCHANDISING 2) ± (COLLEGE CR.)
This in-depth study of fashion will give students a fundamental, working knowledge of the foreign and domestic apparel industries and how they anticipate and satisfy consumer demand for fashion merchandise. Exploration of domestic and foreign markets, designers and manufacturers’ sources of information and inspiration are included. Students will learn the importance of global sourcing and merchandising, fashion retailing, and global fashion markets in this course. Marketing concepts such as advertising, publicity, public relations, and other auxiliary services in the fashion industry will be covered in great depth. Concepts such as accessories, cosmetics and fragrances, and home fashions are included. Students will also explore and identify career opportunities in the fashion industry.

This course is a continuation of The Fashion Industry. This challenging program provides high school students with the opportunity to earn college credit prior to graduating from high school. Credits are transferable to other colleges and universities.

PREREQUISITE: Fashion I A & I B
GRADE LEVEL: 11 – 12

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H205FE... ADVANCED FASHION, SEWING AND TEXTILES (1 UNIT)
In this advanced one year course of study students will continue to develop their creative talents by crafting various individualized sewing projects. Emphasis will be placed on further developing their sewing machine skills, pattern reading and garment making. Students will also prepare, develop, and expand a professional portfolio of work while exploring creative and practical techniques to enhance the marketability and appeal of their portfolio.

PREREQUISITE: Fashion, Sewing and Textiles
GRADES: 9 – 12

F013FE ...ADVANCED MICROSOFT OFFICE (1 UNIT)
This is a course for the advanced office education student. Emphasis will be placed on further development of skills using the Microsoft Office Suite (Excel, Access, PowerPoint, and Word). ADVANCED MOS, an industry certification, will be made available to students at the completion of the Computer Information Pathway.

PREREQUISITE: MICROSOFT OFFICE
GRADES: 10 – 12

F305FE ... WORK BASED LEARNING (1/2 UNIT)
F405FE... WORK BASED LEARNING (1 UNIT)
F505FE... WORK BASED LEARNING (2 UNITS)

The Work Based Learning program offers students the opportunity to gain experience and exposure to the world of work while enrolled in high school. There are several different paths that allow students to earn between ½ to 2 credits annually starting in their sophomore year. Students will acquire transferable skills and knowledge, such as workplace safety, ethics, workplace conduct and general expectations, while honing job specific skills in a real life setting. A variety of paid and unpaid experiences are available to meet the needs of each student. The class is not part of the student’s daily schedule, but students are required to meet with the Work Based Learning Coordinator on a regular basis.

NOTE: Although the Work Based Learning program is available and suitable for CTE pathway preparation, it is recommended that all students complete a work based learning experience prior to graduation.
F012FE ... MICROSOFT OFFICE  
(1 UNIT)  
Microsoft Office offers a broad overview of modern business organization and operation. Students learn that today’s businesses rely on a variety of systems to complete transactions as they adapt to the information age. Students examine how businesses are organized to provide products and services, to meet customers’ needs and wants. Learn the power of spreadsheets, databases, graphics, word processing and PowerPoint presentations. Using the popular software from Microsoft Office Suite, applications extend to engineering, science, writing, healthcare, education, graphic arts and business. Students learn how businesses use the computer as a tool to gather and analyze information used in decision-making.

MOS, an industry certification, will be made available to students at the completion of the Computer Information Pathway.

PREREQUISITE: None (Knowledge of personal keyboarding highly recommended.)

GRADES: 9 – 12

F013FE ... ADVANCED MICROSOFT OFFICE  
(1 UNIT)  
This is a course for the advanced office education student. Emphasis will be placed on further development of skills using the Microsoft Office Suite (Excel, Access, PowerPoint, and Word). ADVANCED MOS, an industry certification, will be made available to students at the completion of the Computer Information Pathway.

PREREQUISITE: MICROSOFT OFFICE

GRADES: 10 – 12

G175SE ... VISUAL BASIC PROGRAMMING  
(1/2 UNIT)  
The Visual Basic.NET programming language will be used to introduce students to the programming task. Windows-based programs will be developed in this class. Emphasis will be on how to program with structure and style. Daily use of computers will be required. Students will learn basic input and output, the use of variables, looping structures, decision-making structures and simple graphics and sound. Students will be introduced to simple game construction as a means of mastering the programming concepts covered.

PREREQUISITE: None

GRADES: 9 – 12 – Offered in the Fall
G185SE...OBJECT ORIENTED PROGRAMMING (OOP) (1/2 UNIT)

With VISUAL BASIC: GRAPHICS AND GAMING
This course continues the ideas and topics covered in Visual Basic Programming. More advanced concepts will be covered including sound, graphics and animation, in addition to the fundamental concepts of structured programming. By the end of the course, students will be able to build a multimedia game that will include animated reward systems and keyboard controlled interactive graphics.

PREREQUISITE: Successful completion of Visual Basic Programming
GRADERS: 9 – 12 – Offered in the Spring

G205SE... JAVA PROGRAMMING (1/2 UNIT)
Students will be introduced to the JAVA programming language. Java is everywhere from hand held devices like your cell phone, from Macs to PC’s and everywhere in between. Learn where computing is going. There will be an emphasis on developing healthy viable programs that include logical decision making and iteration. This course is highly recommended for those considering the AP Computer Science course.

PREREQUISITE: Successful completion of Visual Basic Programming
GRADERS 10 – 12 – Offered in the Fall

G225SE...OBJECT ORIENTED PROGRAMMING (OOP) WITH JAVA: GRAPHICS AND GAMING (1/2 UNIT)
In this course, students will continue the journey towards becoming java programmers. They will utilize object oriented programming concepts to build viable applications. Graphics, animation, game design will be explored as a foundation of expertise is built.

PREREQUISITE: Successful completion of Java Programming
GRADERS: 10–12 – Offered in the Spring

G255SE...INTERNET PUBLISHING/WEB PAGE DEVELOPMENT (1/2 UNIT)
This course addresses the development and publication of web sites on the World Wide Web. Students enrolled in the course will learn how to use editors to develop multimedia web pages that include text, graphics, photo images, sound and video. Programs that students will become proficient in include DreamWeaver, Flash, Internet Explorer and GIF Animators.

PREREQUISITE: None
GRADERS: 9 - 12
G245FA ... ADVANCED PLACEMENT COMPUTER SCIENCE +++ (1 UNIT)
Advanced Computer Science is intended for the above-average student interested in an in-depth college-level course in JAVA. This course is geared toward providing college-level experience and toward development of the skills and attitudes necessary to pass the Advanced Placement exam in Computer Science. All students will be required to take the AP Exam in Computer Science. AP EXAM AND AP EXAM FEE REQUIRED.

PREREQUISITE: Successful completion of G205SE and G225SE
GRADES: 11 – 12

F305FE ... WORK BASED LEARNING (1/2 UNIT)
F405FE... WORK BASED LEARNING (1 UNIT)
F505FE... WORK BASED LEARNING (2 UNITS)

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NOTE: Although the Work Based Learning program is available and suitable for CTE pathway preparation, it is recommended that all students complete a work based learning experience prior to graduation.
H085SE... FOOD AND NUTRITION CORE COURSE - CULINARY (1/2 UNIT)
This course is an initial introduction to Family and Consumer Sciences. It is an everyday half year (one semester) course that encompasses basic food and nutrition concepts as set forth by the NYSED, as well as basic techniques, terminology, resource management and cooperative learning.

PREREQUISITE: None
GRADES 9 – 12

HO55SE... BAKING (1/2 UNIT)
This course follows the Culinary Arts core course. It is a continuation of the techniques and skills learned in Food & Nutrition, specifically applied to the science of Baking. It is an everyday half-year course which stresses the importance of weights and measures. Students study the role of ingredients in the recipe, as well as the need for precision measuring.

Instruction develops the skills necessary for production of cakes, breads, pies, puff pastry, and quick breads, as well as icing and cake decorating techniques.

PREREQUISITE: Food & Nutrition Core Course
GRADES 9 - 12

H095FE... CULINARY ARTS AND HOSPITALITY (FULL YEAR) (1 UNIT)
Culinary Arts and Hospitality is offered to students that are interested in pursuing a career in the food service/hospitality industry. Culinary skills are mastered through more complex applications. Students explore cultural influences on food; interpretation of recipes and food presentation is encouraged.

PREREQUISITE: Food & Nutrition and Baking
GRADES: 10 – 12
**H105FE... FASHION, SEWING AND TEXTILES**  (1 UNIT)

The practical value of sewing with the application of technological advances in today’s sewing industry is explored in this introductory, hands-on course. Students make decisions with regard to clothing and textiles, solve fit problems, demonstrate sewing machine operation and care, select patterns and fabrics and complete clothing projects in class. They develop their creative talents with individualized projects and utilize resource management and communication skills in designing and evaluating them. Practical techniques are applied to clothing care, mending and repairing and career opportunities in the apparel industry are explored.

**PREREQUISITE:** None  
**GRADES:** 9 – 12

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**F305FE ... WORK BASED LEARNING**  (1/2 UNIT)  
**F405FE... WORK BASED LEARNING**  (1 UNIT)  
**F505FE... WORK BASED LEARNING**  (2 UNITS)

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**NOTE:** Although the Work Based Learning program is available and suitable for CTE pathway preparation, it is recommended that all students complete a work based learning experience prior to graduation.
As a part of our program, the Technology Department offers a NYS approved CTE pathway in Construction Systems. Students who complete a five-unit sequence in Career Technical Education will receive a CTE endorsement on their diploma, and may substitute the sequence for the second and third required unit in foreign language to achieve a Regents Diploma with Advanced Designation. In addition to our approved program, the Technology Department offers a wide range of electives. Choose courses from courses in the column below, and on the following pages.

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<td>Career &amp; Financial Management (1/2 year)</td>
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<td>Electrical Training Center of LI</td>
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REQUIRED COURSE:

FO01SE ...CAREER AND FINANCIAL MANAGEMENT (1/2 UNIT)
FO01AE ...CAREER AND FINANCIAL MANAGEMENT (FULL YEAR A/B Day)

The purpose of this course is to provide students with the opportunity to learn about the features of our economy, explore a variety of careers, learn the skills and competencies needed for success in the workplace and to begin to become financially literate. This is a required course for students graduating with a career and technical education sequence.

Students who successfully complete this class will be able to:
● Target a potential career path through self-evaluation.
● Prepare a job application, resume, and perform a job interview confidently.
● Develop a personal budget and manage money responsibly.
● Handle human relation’s issues with co-workers, the public and supervisors, as well as stress, conflict, change, and decision-making.

CONSTRUCTION SYSTEMS PATHWAY

M285FE ... DESIGN & DRAWING FOR PRODUCTION (1 UNIT)

This program is more than just conventional technical drafting. Students will learn about the elements of design and how designing relates directly to drafting. The first semester of the course is devoted to the study of various drawing types and the subsequent development of the skills needed to produce them. After mastering two-dimensional, geometric construction and pattern making, students will develop three dimensional pictorial drawings.

In the second semester, students will work on dimensioning techniques, working drawings, and designing projects. Scale models, plans, and a full size project will be designed by teams of students.

PREREQUISITE: None (This course may be substituted for the 1 unit ART requirement by all students.)

GRADES: 9 – 12

M131SE ... WOOD TECHNOLOGY I (1/2 UNIT)

This course offers the student an opportunity to develop an understanding and appreciation for woodworking. Project work will include working drawings and procedures, hand tools, machine tools, finishing processes, as well as the entry-level skills needed for success in any of the construction trade fields.

PREREQUISITE: None

GRADES: 9 – 12
M175SE ... WOOD TECHNOLOGY II  (1/2 UNIT)
Today, the opportunity for a student to secure employment in a woodworking field is greater than ever. This advanced course is geared toward the student with basic woodworking principles. This class will explore in-depth concepts that are not readily discussed in the first year class.

Some examples include design, millwork, lumber, carpentry, joinery, cabinet making and finishing. Mass production processes as well as career and environmental impacts will be covered! IF YOU ARE SERIOUS ABOUT WOODWORKING, THEN THIS CLASS IS FOR YOU!

PREREQUISITE: Wood Technology I

GRADES: 9 – 12

M140SE ... HOME IMPROVEMENT IA  (1/2 UNIT)
This course introduces modern technology in the production of materials for residential and commercial construction. Properties of materials used in construction are discussed from a scientific point of view. During the first semester of each school year, students will design and build a scale model house. The student will gain occupational, as well as, consumer knowledge in the skilled field of construction. A systems type approach will be the format for the complete construction of the model. The student will work from designing and site selection, through completion of the structure. This is a must-take course for the future homeowner as well as the potential construction employee.

PREREQUISITE: None

GRADES: 9 – 12

M141SE ... HOME IMPROVEMENT IB  (1/2 UNIT)
Students will learn site development surveying masonry, carpentry, sheathing, interior and exterior finishing, electrical wiring, heating and plumbing. In the spring semester, home alterations will be included along with job site visitations and internships for interested students. It is highly recommended that Production Systems-Construction & Manufacturing be taken along with this course for a full credit in Production Systems & Residential Structures.

PREREQUISITE: Home Improvement 1A

GRADES: 9 – 12
M235FE ... ELECTRONICS I  (1 UNIT)

Students are provided with general instruction in basic electrical concepts, components, multi-meter use, house wiring, audio systems, transmitters and receivers. Each student will build projects directly related to components and circuits learned. A unit of hands-on house wiring will be taught with individual student wiring assignments.

PREREQUISITE: None
GRADES: 9 – 12

M245FE ... ELECTRONICS 2  (1 UNIT)

Analog Electronics will include: capacitive and inductive reactance circuits, resonant and filter circuits, and semi-conductor devices. The audio section will include a study of voltage and power amplifiers. Each student will build his or her own amplifier using various test equipment. Radio transmitters, antennae and receivers will be covered. Projects will include: radio, strobe light and stereo amplifier, laser target, to list a few.

PREREQUISITE: Electronics 1
GRADES: 10 – 12

F305FE ... WORK BASED LEARNING  (1/2 UNIT)
F405FE... WORK BASED LEARNING  (1 UNIT)
F505FE... WORK BASED LEARNING  (2 UNITS)

The Work Based Learning program offers students the opportunity to gain experience and exposure to the world of work while enrolled in high school. There are several different paths that allow students to earn between ½ to 2 credits annually starting in their sophomore year. Students will acquire transferable skills and knowledge, such as workplace safety, ethics, workplace conduct and general expectations, while honing job specific skills in a real life setting. A variety of paid and unpaid experiences are available to meet the needs of each student. The class is not part of the student’s daily schedule, but students are required to meet with the Work Based Learning Coordinator on a regular basis.

NOTE: Although the Work Based Learning program is available and suitable for CTE pathway preparation, it is recommended that all students complete a work based learning experience prior to graduation.
ELECTIVES: DESIGN & DRAFTING

M325FE … COMPUTER AIDED DESIGN 1 (CAD 1) (1 UNIT)
This course is designed for students interested in Advanced Drafting, Engineering or Architecture as a possible career. Students should have a basic understanding of drafting from at least one previous course. Knowledge of computers is, however, unnecessary. Students will learn to use the computer as a tool, which replaces conventional drafting equipment. The AUTO CAD Program used is an industry standard thus students will develop readily transferable skills.

PREREQUISITE: None
GRADES: 10 – 12

M335FC …** COMPUTER AIDED DESIGN 2 ± COLLEGE CREDIT (1 UNIT)
This course is designed for those students who are planning to pursue post high school training in the fields of Engineering and Architecture. It is also highly recommended for students entering the drafting and design trades upon graduation. Areas of focus will include: advanced architectural and machine drafting techniques, pictorial shading and rendering using auto shade and three dimensional design application. Students will additionally complete a professional design portfolio for college or career placement purposes. Pending approval, students can earn 3 college credits through Farmingdale State.

PREREQUISITES: Computer Aided Design 1
GRADES: 11 & 12

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M305FE … ARCHITECTURAL DRAWING I (1 UNIT)
This is an introductory course exposing students to the possible careers and opportunities associated with Architecture. Students will explore how the modern house is put together from the foundation to the roof: construction systems such as walls, floors, electric, and plumbing will be taught. Additionally, students will gain an understanding as to why there are so many different building practices due to geography and climate.

PREREQUISITE: Design and Drawing for Production
GRADES: 10 – 12

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The Architectural level 2 requires the students to develop a full set of working house plans (Blue Prints) with specific requirements: square footage, number of floors, a basement, two full baths and a minimum of two bedrooms. These plans will also include HVAC, electrical, plumbing, sectional drawing, plumbing riser, roof, and landscape design. Additionally, students will be given an assignment working with our CAD (Computer Aided Drafting) software. Pending approval, students can earn 3 college credits through Farmingdale State.

PREREQUISITE: Architectural Drawing I

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In Level 3, students are required to make a ¼ inch = 1’ scaled 3d house model from the blue prints they have drawn in Architectural 2 class. These models will include detailed room design and landscape layout to assist students in understanding how homes are assembled and why certain building practices are used inside and outside the house. Additionally, students will develop their architecture portfolios for college interviews.

PREREQUISITE: Architectural Drawing II

**ARCHITECTURAL DRAWING II (COLLEGE ARCH) ± (1 UNIT)

M307FE … ARCHITECTURAL DRAWING III (1 UNIT)

GRADES: 11-12

GRADES: 12

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ELECTIVES: ENERGY, POWER AND TRANSPORTATION ENGINEERING

M420SE ... LAND TRANSPORTATION I A  (1/2 UNIT)

This course might best be described as an in-depth study of “technical biology.” That is to say it focuses not solely on repair, but rather on the operation and theory of mechanical systems as a whole, centering on the internal combustion engine.

PREREQUISITE: None
GRADES 9 - 12

M421SE ... LAND TRANSPORTATION I B  (1/2 UNIT)

This is continuation of the Land Transportation 1 class. Students are not only taught reconditioning procedures, but also physics and math as each relates to engines.

PREREQUISITE: Land Transportation 1A
GRADES: 9 – 12

M423SC ...** ROBOTICS  ± 3 College Credits#  (1/2 UNIT)

This course presents an overview of robotics in practice and research with topics including vision, motion planning, mobile mechanisms, kinematics and sensors. Students will obtain the knowledge needed to design and build a robot to perform certain tasks. Construction requirements for the robot will be based on the “FIRST” robotics competition. This course will also expose students to some of the contemporary happenings in robotics, which includes current robot lab research, applications, robot contests and robot web surfing. Students can earn 3 college credits through Farmingdale State.

PREREQUISITE: Land Transportation I or Electronics
GRADES: 11-12

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# College Credit may be earned for EITHER Robotics or POE, not both
M405SC ... **PRINCIPLES OF ENGINEERING (POE) ± 3 College Credits# (1/2 UNIT)

This is a full-year course designed to apply Mathematics, Science and Engineering concepts with Technology. This course is a must for students interested in a future in any field of engineering or science. Various experimental projects will be made to confirm mathematical calculations and scientific theories. Students can earn 3 college credits through Farmingdale State.

PREREQUISITE: Successful completion of Algebra, enrollment in a Physics course

GRADES: 11 – 12

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NEW YORK STATE’S LEARNING STANDARDS FOR
HEALTH & PHYSICAL EDUCATION

Standard 1: Personal Health and Fitness
Students will have the necessary knowledge and skills to establish and maintain physical fitness, participate in physical activity and maintain personal health.

HEALTH EDUCATION
Students will understand human growth and development and recognize the relationship between behaviors and health development. They will understand ways to promote health and prevent disease and will demonstrate and practice positive health behaviors.

PHYSICAL EDUCATION
Students will perform basic motor and manipulative skills. They will attain competency in a variety of physical activities and proficiency in a few select complex motor and sports activities. Students will design personal fitness programs to improve cardio respiratory endurance, flexibility, muscular strength, endurance and body composition.

Standard 2: A Safe and Healthy Environment
Students will acquire the knowledge and ability necessary to create and maintain a safe and healthy environment.

HEALTH EDUCATION
Students will demonstrate personally and socially responsible behaviors. They will, therefore, respect themselves and others. They will recognize threats to the environment and offer appropriate strategies to minimize them.

PHYSICAL EDUCATION
Students will demonstrate responsible personal and social behavior while engaged in physical activity. They will understand that physical activity provides the opportunity for enjoyment, challenge, self-expression and communication. Students will be able to identify safety hazards and react effectively to ensure a safe and positive experience for all participants.
Standard 3: Resource Management
Students will understand and be able to manage their personal and community resources.

HEALTH EDUCATION
Students will understand the influence of culture, media and technology in making decisions about personal and community health issues. They will know about and use valid information, products and services. Students will advocate for healthy families and communities.

PHYSICAL EDUCATION
Students will be aware of and able to access opportunities available to them within their community to engage in physical activity. They will be informed consumers and be able to evaluate facilities and programs. Students will also be aware of some career options in the field of physical fitness and sports.

Health education instills in students the knowledge and skills to examine alternatives and make responsible health-related decisions drawing on knowledge from the biological, environmental, psychological, social, physical and medical sciences, health education helps students learn to prevent and manage health problems. State regulations outline that each student shall receive instruction in AIDS education. Parents may only opt to remove their child from the prevention portion of this curriculum (usually one day). If exercising this option, parents must complete the letter and return it to the guidance counselor.

P125SN ... HEALTH EDUCATION (1/2 UNIT) - REQUIRED
Health Education is a course which provides facts, activities, and group interaction to build self-esteem and to help young people cope more effectively with the problems of everyday living. Areas of activity and discussion include mental health, substance abuse, death and dying, communicable and non-communicable diseases (including AIDS education), and family life.
Dear Parents,

As outlined in our Health Education course outline, AIDS education instruction is required. A student may only be exempt from the prevention portion of the curriculum which usually involves one day. The major focus of prevention is abstinence.

If you would like to remove your child from the prevention instruction (usually one day), he or she will be sent to the library during that time. You must sign and return this form to your child’s guidance counselor.

_________________________________  __________________
Parent’s Signature                      Date

_________________________________
Student’s Name (Please print)

/mw
PHYSICAL EDUCATION

The mission of Physical Education is to empower all students to sustain regular lifelong physical activity as a foundation of a healthy, productive and fulfilling life. Physical Education is a sequential educational program. It is based on physical activities undertaken in an active, caring, supportive and non-threatening atmosphere in which every student is challenged and successful. Students with disabilities are provided with a learning environment that is modified, when necessary, to allow for maximum participation.

P195FN ... PHYSICAL EDUCATION (1/2 UNIT PER YEAR)

Physical Education contributes to the broad goals of education through the development of personal living skills reflected in the manner and degree of participation in lifelong activities. This is achieved through the pursuit of more specific objectives encompassing skills and knowledge in movement, understanding and effects of physical activity upon the body, feelings of adequacy and mastery, and the development of a personal value system regarding physical activity. Personal living skills are those skills that contribute to an individual's becoming a fully functioning, productive and concerned citizen. They are seen as necessary catalysts for effective implementation of lifelong patterns of participation in planned activity. They include, but are not necessarily limited to:

(a) developing physical fitness (cardiovascular and musculoskeletal)
(b) fostering communication
(c) promoting cooperation
(d) seeking challenge
(e) encouraging safety
(f) developing initiative
(g) engendering leadership/followership
(h) nurturing trust
(i) promoting respect.

At the 9-12 grade level, experience gained at lower levels are built upon and expanded. In each of the defined areas of rhythm and dance, games, individual and team sports, wellness aquatics, adventure education and outdoor living skills, objectives are: developing higher levels of competency in skills and knowledge, nurturing positive attitudes toward movement AND fostering maintenance of optimal physical fitness.

Satisfactory attendance, effort and participation for four years of Physical Education are required of all students. In addition to the daily class program, a variety of intramurals and interscholastic sports are available to every registered student.

GRADES: 10 – 12
P231DN ... POOL - WELLNESS -- BOYS  (1/2 UNIT PER YEAR - 1/4 PER SEMESTER)
P211CN ... POOL - WELLNESS -- GIRLS

All ninth grade students are required to take a full year course in Wellness, divided into the following units:

A. 20 WEEKS: Aquatics...including lower to middle level swimming skills from American Red Cross, water polo, water volleyball, survival swimming, use of the canoe, surfboard rescues, use of a P.F.D. (life jacket), lifesaving skills, basic diving and a testing program to check ability of the student. CPR will also be taught.

B. 5 WEEKS: Health Related Concepts...including alcohol, tobacco, drugs, diseases, emotional health, healthful life styles and AIDS Education.

P255FE ... ADVANCED POOL  (1/2 UNIT PER YEAR - 1/4 UNIT PER SEMESTER)

This year-long course is designed to prepare and train advanced swimmers to become lifeguards and swimming instructors. Approval from the student’s 9th grade pool instructor is required. Students in this class need to be proficient in all strokes and have confidence in deep water activities. The major goal is to certify students so they can qualify for seasonal employment in numerous local aquatics programs. Successful students can qualify for American Red Cross certifications in the areas of lifeguard, swimming instructor, CPR, AED, and First Aid.

This is a rigorous swimming course requiring advanced swimming skills.

PREREQUISITE:
- Successful completion of pool (P231DM) AND/OR (P241CN)
- Signature of 9th grade pool instructor or advanced pool instructor on the Advanced Pool Course Application Form on the following page.
- PRIORITY WILL BE GIVEN TO UPPERCLASSMEN.

P256FE ... **ADELPHI PHYSICAL EDUCATION ±  (1/2 UNIT)  (3 COLLEGE CREDITS)

This year-long course is designed to offer upper classmen the opportunity to participate in college-level physical education/activity class. In addition to meeting the NYS Standards and requirements in physical education, students experience extraordinary activities related to physical education and participate in sports at an average or above average level. The “Sports Education” model is utilized, which places students in more adult roles including coach, referee, manager and statistician. Students are involved with advanced weight training and have an opportunity to experience field trips that are related to physical activity and sport. Students will also be given the opportunity to be certified in first aid, AED and CPR. Students will also log outside activities related to the field that include, but are not limited to, athletic training, assistant coach or assistant teacher. Final exam is participation in the Lindenhurst Triathlon. Upon completion of the course, students will be eligible to receive three (3) college credits from Adelphi University.

...continued on next page
PREREQUISITE:
- Students must be in Grades 11 and/or 12
- Must maintain a grade of 90 or above in regular Physical Education and be self-motivated
- Signature required by an Adelphi Physical instructor on the Adelphi PE Course Application Form on the following page.

GRADES: 11 and 12

NOTE: This course may only be taken for college credit once.

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This year long course is designed to prepare and train advanced swimmers to become lifeguards and swimming instructors. Approval from a student’s 9th grade pool instructor is required. Students in this class need to be proficient in all strokes and have a confidence in deep water activities. The major goal is to certify students so they can qualify for seasonal employment in numerous local aquatics programs. Successful students can qualify for American Red Cross certifications in the areas of lifeguard, swimming instructor, CPR, AED, and First Aid.

**This is a rigorous swimming course requiring advanced swimming skills.**

**PRE-REQUISITES:**
- SUCCESSFUL COMPLETION OF POOL (P231DM) AND/OR (P241CN)
- SIGNATURE REQUIRED BY 9th GRADE POOL INSTRUCTOR OR ADVANCED POOL INSTRUCTOR ON THIS DOCUMENT.
- PRIORITY WILL BE GIVEN TO UPPERCLASSMEN.

________________________________________________________________________

Applying Students Name ________________________________

Guidance Counselor _________________________________

Grade for upcoming year ______________________________

________________________________________________________________________

9TH Grade Pool or Advanced Pool Physical Education Instructor

SIGNATURE OF APPROVAL
This year-long course is designed to offer upper classmen the opportunity to participate in college-level physical education/activity class. In addition to meeting the NYS Standards and requirements in physical education, students experience extraordinary activities related to physical education and participate in sports at an average or above average level. The “Sports Education” model is utilized which places students in more adult roles including coach, referee, manager and statistician. Students are involved with advanced weight training and have an opportunity to experience field trips that are related to physical activity and sport. Students will also be given the opportunity to be certified in First Aid, AED and CPR. Students will also log outside activities related to the field that include but are not limited to Athletic Training, Assistant Coach or Assistant Teacher. Final exam is participation in the Lindenhurst Triathlon. Upon completion of the course, students will be eligible to receive three college credits from Adelphi University.

PRE-REQUISITES:

- STUDENTS MUST BE IN GRADES 11 and/or 12.
- MUST MAINTAIN A GRADE OF 90 OR ABOVE IN REGULAR PHYSICAL EDUCATION and BE SELF MOTIVATED.
- SIGNATURE REQUIRED BY AN ADELPHI PHYSICAL EDUCATION INSTRUCTOR ON THIS DOCUMENT.
Peer Leadership will train students to help other students cope with problems common to teenagers. Through this training, students learn how to listen, understand and communicate with others. Information about stress, alcohol, drugs and other issues will be highlighted. Students will utilize skills to act as peer leaders to students in all district schools.

**ACCEPTANCE TO PEER LEADERSHIP PROGRAM INCLUDES:**

- Academically eligible
- Adhere to Attendance Policy
- Attend Peer Leadership Workshop
- Fill out evaluation form
- Recommendation letters (2)
LEADERSHIP EDUCATION
MCJROTC

Marine Corps Junior Reserve Officers' Training Corps (MCJROTC) teaches the kind of self-discipline, self-confidence and leadership skills that can help students successfully meet academic challenges of high school and the future.

MCJROTC curriculum, instruction and activities are designed to develop the leadership abilities of each student regardless of career path chosen.

L005FE … LEADERSHIP EDUCATION BEGINNER (1 UNIT)
L005AE … LEADERSHIP EDUCATION BEGINNER (1/2 UNIT) (A/B DAY)
This course is a cooperative effort between Lindenhurst High School and the United States Marine Corps Junior Reserve Officers' Training Corps program. The course is designed to develop informed and responsible citizens, strengthen character, promote an understanding of the basic elements and requirements for national security, help form habits of self-discipline and develop respect for, and an understanding of, the need for constituted authority in a democratic society. This course will develop leadership abilities, teamwork, personal pride, accomplishment and patriotism, enabling each student to become a better citizen no matter what career pattern he/she chooses. This is not a recruitment program for any service. This course may be taken up to two times (1 unit) by an individual student without repeating course content. There is no military obligation associated with this course. The Course is open to all male and female students.

GRADES: 9 – 12

L015FE … LEADERSHIP EDUCATION ADVANCED (II, III & IV) (1 UNIT)
L015AE … LEADERSHIP EDUCATION ADVANCED (II, III, IV) (1/2 UNIT) (A/B DAY)
A more advanced general study of the elements of leadership. Emphasis is placed on public speaking, leadership rolls, drills, ceremonies, physical fitness and responsibility. This course is a supplement to Leadership Education I and is on a three year cycle building upon each year of instruction. Due to a revolving curriculum built around reinforcing leadership topics, this course may be taken up to six times (3 units) by an individual student without repeating course content.

PREREQUISITE: LEADERSHIP EDUCATION I

GRADES: 10 – 12
DOWLING COLLEGE

THE EARLY COLLEGE PROGRAM

This is a partnership program between the Lindenhurst School District and Dowling College to provide qualified students at Lindenhurst High School with the opportunity to accelerate their academic studies and begin pursuit of a baccalaureate degree. Applicants for the Early College Program must have a three-year cumulative grade point average of 3.0 or equivalent and be recommended by the Lindenhurst High School Guidance Department. The program enables qualified Lindenhurst High School students to complete up to a full freshman year of academic study at Dowling College while simultaneously completing the requirements for graduation from Lindenhurst High School. Students participating in the Early College Program will be governed by the Dowling College Undergraduate Bulletin in effect at the time of entry. Through participation in this program, Lindenhurst students have the opportunity of reducing their overall academic study time by up to one full year.

Participants in the Early College Program will have the facilities and services of Dowling College available to them. Use of the library, computer center and attendance at cultural events are among the opportunities at Dowling College which are added to the array of support services already provided by Lindenhurst High School.

While students are eligible to complete their baccalaureate degrees at Dowling College, each participant will have the option of selecting any other collegiate program for which he/she is qualified. Since Dowling College is fully accredited by Middle States Association of Colleges and Schools and all degree programs are registered with the New York State Education Department, course credit may be transferable to other institutions of higher learning.

**IF COLLEGE CREDIT IS DESIRED, STUDENTS MUST COMPLETE NECESSARY PAPERWORK AND THE PER CREDIT FEE MUST BE PAID TO THE COLLEGE. COLLEGE CREDIT IS NOT GUARANTEED, BUT IS CONTINGENT UPON A STUDENT'S PERFORMANCE IN CLASS. REFUNDS ARE NOT ISSUED FOR STUDENTS WHO HAVE PAID FOR DOWLING CREDIT, BUT HAVE NOT EARNED THE MINIMUM GRADE DEEMED ACCEPTABLE BY DOWLING COLLEGE. THE FEE FOR THE 2103-14 SCHOOL YEAR WAS $109 PER CREDIT AND IS SUBJECT TO CHANGE BY THE COLLEGE.**

Part-Time Option:

A part-time option is available for students who do not wish to participate in the full program. This option carries many of the same benefits as our full program. However, course enrollment may give priority to full-time participants. Further information may be obtained from your guidance counselor.

All students enrolled in Dowling College Courses will receive one unit of credit toward High School graduation for each class period taken over the full school year. College credit for individual semester and full year courses may vary.
ENG 001... **DOWLING ENGLISH 001 - PRINCIPLES OF WRITING * ± (3 COLLEGE CR.) (1 UNIT)

This first semester process-writing course stresses intensive practice in expository writing, emphasizing argumentation and persuasion. The New York Times is used daily. Multiple revisions are encouraged and required.

**DOWLING ENGLISH 002-INTRODUCTION TO LITERATURE* ± (3 COLLEGE CR.) (1 UNIT)

This course is a seminar, organized around an exciting and contemporary literary theme. Emphasis is on the in-depth study of selected literary works relating to that theme in fiction, poetry, or drama. The course will be structured around discussion and student reports.

PREREQUISITE: To enroll in Dowling English, students must have an 85 average as of the end of the first semester (second quarter) in 11th grade.

GRADE 12

POL 001 .. **DOWLING COLLEGE INTRODUCTION TO POLITICAL SCIENCE ± (3 COLLEGE CR.) (FALL) (1 UNIT)

POL 011 .. **DOWLING COLLEGE INTRODUCTION TO AMERICAN POLITICS ± (3 COLLEGE CR.) (SPRING) (1 UNIT)

These semester courses introduce political concepts and theories as well as the processes, institutions and cultural factors which determine the distinctive nature of American Government.

PREREQUISITE: To enroll in this course, students must have an 85 average as of the end of the first semester (second quarter) or special permission of the department coordinator.

MTH 014 .. **DOWLING COLLEGE PRE-CALCULUS ± (3 COLLEGE CR.) (1 UNIT)

The full-year course emphasizes problem-solving strategies as applied to problems involving polynomial, rational, exponential, logarithm, and trigonometric functions. Projects, class groups, and a graphing calculator will be used throughout the course.

PREREQUISITE: Must have passed the Algebra 2/Trigonometry course with a grade of 70 or higher as of the end of the first semester (second quarter)
MTH 021 ..** DOWLING COLLEGE CALCULUS ± (4 COLLEGE CR PER SEMESTER) (1 UNIT)
This first semester course covers the fundamental ideas and techniques of differential calculus with the relevant analytic geometry and an introduction of some concepts of integral calculus. Topics include: functions, limits, continuity and the derivative of algebraic and trigonometric functions implicit differentiation and extensive applications including tangent lines and velocity, extreme, errors in measurement and linear approximations. Some use of a programmable graphics calculator.

PREREQUISITE: Must have received a passing grade in Pre-Calculus
GRADE 12

MTH 006 .. **DOWLING COLLEGE STATISTICS ± (3 COLLEGE CR.) (1 UNIT)
Descriptive statistics including measure of central tendency and variation of data. Definition of probability, rules or probability and probability functions, including the binomial, Poisson, and normal distributions. Topics include sampling distributions, hypothesis testing, linear regression and correlation. This course is spread over an entire school year.

PREREQUISITE: Must have passed the Algebra 2/Trigonometry course as of the end of the first semester (second quarter)

D145FC ...**DOWLING BIOLOGY± (4 COLLEGE CR. PER SEMESTER) (1 UNIT)
This course is a two-semester program that is a part of the Dowling Early College Program and provides students an introductory college-level Biology course designed for both non-science and science majors. Topics are presented according to a structural and functional hierarchy of organization found in living things. The fundamental concepts of molecular biology, cellular biology, genetics and evolution are covered in the first semester with developmental biology, physiology and anatomy of plants and animals covered during the second. Within the context of this presentation, emphasis will be placed on application of the basic principles that govern the environmental interrelationships and adaptive mechanisms of plants and animals. Students enrolled in this program will be required to attend a lab period each day in addition to the regular class session with five college credits awarded for each semester successfully completed.

PREREQUISITE: Successful completion of Living Environment and Earth Science with a score of 80 or better on the Living Environment Regents examination, successful completion of a Physical Setting Regents course and Chemistry, or the permission of the Science Coordinator
GRADE 12
F055FC...**COLLEGE ACCOUNTING I ± COLLEGE CREDIT (1 UNIT)
College Accounting is a course designed for the average college-bound high school junior or senior who is planning to major in Accounting, Business Administration, Marketing, Retailing, Criminal Justice or Pre-Law in college. The main objective of this course is to develop a working knowledge of financial accounting. This foundation course will expose the student to basic accounting concepts. Students will learn to record transactions and prepare financial statements. Study will provide the groundwork for future work in accounting, business or law.

Under the agreement with Dowling College, is offered for college as well as high school credit. Students may opt to take this course for 3 college credits.

PREREQUISITE: None
GRADES: 10 – 12 / COLLEGE CREDIT 11 - 12

F065FC...**COLLEGE ACCOUNTING II ± COLLEGE CREDIT (1 UNIT)
College Accounting II is a continuation of Introduction to College Accounting I. A major goal of this Course is to provide the students with the skills necessary to interpret and use Accounting information intelligently and effectively. The course provides the student with a strong foundation for subsequent courses in business, law, finance and accounting.
College Accounting II, under an agreement with Dowling College, is offered for college as well as high school credit. Students may opt to take this course for 3 college credits.

PREREQUISITE: College Accounting I
GRADES: 11 – 12

F275CE ...**FINANCIAL INVESTMENTS & DECISION MAKING ± DOWLING COLLEGE (1 UNIT)
How to become a millionaire! Students will develop knowledge of different types of investments: savings accounts, mutual funds, stocks, bonds, CD’s, pension plans, options mortgages and much more. Emphasis is placed on investments and finance. Students will participate in the INVESTOPEDIA game. Enrichment will consist of guest speakers, field trips, the stock market contest and classroom lectures and activities.

Students who successfully complete this course will be able to:
• Comprehend the stock market and learn how to make wise business decisions.
• Plan, save and invest money for the long and short term.
• Analyze and discuss recent trends in business such as downsizing business take-overs, quality management and re-engineering.
• Read and interpret a company’s annual report.
• Understand why businesses succeed and why they fail.

PREREQUISITE: None
GRADES: 10 – 12 / COLLEGE CREDIT 11 – 12

94
F565FC **DOWLING PRINCIPLES OF MARKETING (FASHION MERCHANDISING 2) ± (COLLEGE CR.) (1 UNIT)
This in-depth study of fashion will give students a fundamental, working knowledge of the foreign and domestic apparel industries and how they anticipate and satisfy consumer demand for fashion merchandise. Exploration of domestic and foreign markets, designers and manufacturers' sources of information and inspiration are included. Students will learn the importance of global sourcing and merchandising, fashion retailing, and global fashion markets in this course. Marketing concepts such as advertising, publicity, public relations, and other auxiliary services in the fashion industry will be covered in great depth. Concepts such as accessories, cosmetics and fragrances, and home fashions are included. Students will also explore and identify career opportunities in the fashion industry.

This course is a continuation of The Fashion Industry. This challenging program provides high school students with the opportunity to earn college credit prior to graduating from high school. Credits are transferable to other colleges and universities.

PREREQUISITE: Fashion I A & I B
GRADE LEVEL: 11 – 12

J805FE **DOWLING COLLEGE ADVANCED GRAPHIC DESIGN - ± (3 COLLEGE CR)
This is a computer studio lab class that deals with advanced concepts in graphic design. The class will emphasize practical solutions and individual approaches to design oriented problem solving through professional standards or execution.

PREREQUISITE: Computer Graphics
GRADES 11 & 12

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B.O.C.E.S.

I605FE ... BOCES (OCCUPATIONAL EDUCATION) (1-4.5 UNITS)
I615FE ... BOCES (OCCUPATIONAL EDUCATION) (1-4.5 UNITS)

Is available to students who wish to specialize in or learn the skills of a specific trade. This program is geared for those students who plan to enter the employment market or further their technical training after graduation. Students must realize that if they participate in this program, they may not have the necessary academic requirements for certain college programs. Students attend BOCES for 1/2 of their school day and remain at the High School for 1/2 of their day. Transportation is provided. Registration for BOCES takes place in 10th grade. BOCES is available to 11th and 12th graders only.

ATTENDANCE/CREDIT POLICY FOR ALL BOCES STUDENTS

19 ABSENCES/ONE YEAR PROGRAM .. LOSS OF BOCES CERTIFICATE
36 ABSENCES/TWO YEAR PROGRAM .. LOSS OF BOCES CERTIFICATE
MORE THAN 20 ABSENCES/FIRST YEAR .. STUDENTS ARE UNABLE TO RETURN THE FOLLOWING YEAR.

The State of New York is very specific about the number of hours of attendance and the number of credits to be awarded towards graduation. IF BOCES IS YOUR SEQUENCE FOR GRADUATION, excessive absences may result in your being dropped from BOCES with no credit, which may mean not graduating on time.

COURSE OFFERINGS
Advertising/Graphic Design
Aircraft Maintenance Technology
Architectural Design/CAD
   Audio Production
   Auto Body Repair
   Auto Maintenance
Automotive Technology
Aviation Science/Flight
   Carpentry
   Certified Personal Trainer
Computer Technology for Business
   Construction Electricity
   Cosmetology
   Criminal Justice
Culinary Arts
Design & Production Technology
Digital Film & Video
Early Childhood Education & Care
Electronic/Robotic Computer Repair
Electronic Manufacturing
Equine Studies
Fashion Merchandising/Design
Heating/Ventilation/Air Conditioning
Marine and Motor Sports Technology
Medical Assisting
Medical Laboratory
Nurse Assisting
Photography
Physical Therapy Aide
Professional Health Careers
Veterinarian Assisting
Video Production
Welding

PREREQUISITE: Good attendance record and counselor recommendation; student must have met diploma requirements as a 10th and/or 11th grader.

GRADE 11 OR 12

Tenth and eleventh graders wishing to continue or enter BOCES for the first time must successfully complete all eleventh grade subjects necessary for Graduation.

Students must attend Summer School to make up any deficiencies. If student does not make up these deficiencies they will either be dropped from the program or not be allowed to enter the program (if they are enrolling for the first time).
SPECIAL EDUCATION

Students with disabilities who require specialized instruction and who are deemed eligible for services by the District Committee on SPECIAL EDUCATION are placed into this diversified program which features various models of individualized and small group instruction. An Individual Education Program, known as IEP, is developed annually for each of these pupils and outlines the instructional goals and objectives on a case by case basis.

Even though the instructional delivery system is individualized, students who require special education have equal access to the full range of programs and services available to any pupil in this school including extra-curricular activities.

All students are considered eligible for a high school diploma as long as they successfully complete the requisite coursework and successfully pass the necessary subjects in order to graduate.

INTEGRATED CO-TEACHING

Integrated co-teaching is a delivery model in which special education students are assimilated into the general education program and derive benefit from cooperative instruction provided by a regular education with support from a special education teacher. Available in all major academic subject areas, the integrated co-teaching program features, individualized pupil support, team teaching, and parallel instruction.
The Alternative Learning Center offers students a program to fulfill their high school requirements (for graduation) in an alternate setting. The program is best suited for students who have exhibited attendance problems and/or have difficulty working in the traditional high school setting.

GRADES 9 - 12
The Lindenhurst School District hereby advises students, parents, employees and the general public that it offers employment and educational opportunities, including vocational educational opportunities, without regard to race, color, national origin, gender or disability. Inquiries regarding this non-discrimination policy may be directed to:

Title IX Coordinator:          Dr. Barbara Brown (867-3105)
Section 504 Coordinator:      Dr. Barbara Brown (867-3105)

Location: McKenna Administration Building,
          350 Daniel Street
          Lindenhurst, New York 11757