

# PLANO HIGH SCHOOL



## Course Description Guide

2012-2013

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## **Plano High School**

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## **Board of Education**

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### **Student Services**

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Mr. Tim Ulrich – Social Worker  
Mr. Joe Lane – Counselor  
Mrs. Jennifer Cave – Social Worker  
Mrs. Barb Moss – Secretary

## **Mission Statement**

### ***"You Reap What You Sow"***

Plano Community Unit School District #88 aspires to create a positive educational environment for all students to achieve success and experience pride in their schools.

### ***Plano High School***

Our mission is to provide all students a positive learning environment and the critical thinking skills needed to become productive citizens and lifelong learners.

## Introduction

This Course Description Guide has been compiled with the cooperation of the faculty of Plano High School and Indian Valley Vocational Center to aid our students in planning their course of study while in high school. What you learn both inside and outside the classroom and the record you make for yourself will largely determine what you will be able to do with your life. At each stage of your high school career, you should seriously consider your goals and develop a program of study to prepare you for further education in your life's work.

This handbook has been designed to help you, your parents, and your counselor plan a program appropriate for you. You, however, must carry the responsibility for this planning. Remember that you, as the student, have the primary responsibility. Use this guide to answer such important questions as:

1. Am I meeting the requirements for graduation?
2. Am I meeting the requirements for entrance to a college or vocation?
3. Am I choosing courses most appropriate to my interests and abilities?

### Registration Procedure

- Use this guide as a reference to the courses of study offered at Plano High School.
- Do preliminary planning within a four-year period. Review the requirements for graduation to make sure they are all included in your four-year plan.
- Meet with the counselor to review proposed schedule and four-year plan.

### Course Selection

When reading the course descriptions contained in this guide, please note that many courses have prerequisite requirements. A prerequisite requirement simply means that there is a sequence of courses that must be followed. If a course has a prerequisite, the prerequisite must be successfully completed prior to registering for the course.

**The Symbol (\*\*)** in front of a course description denotes that the class is new for this year.

## Schedule Changes

Once pre-registration has been completed and the master schedule developed, changes in a student's schedule will be made only if clearly warranted. Reasons for changing a schedule may include:

- Conflict in scheduling which cannot be resolved
- Attendance or failure to attend summer school
- Clerical error on schedule
- Health reasons
- Change from one level to another based on approval
- Change supports a reasonable program of study

The Counselor approves all changes (Administration, Teacher and Parent approval may be required).

## Grades

**Transcript** - A permanent record is kept of each student's semester grades. These grades are used to determine grade point average (GPA) and class rank at the end of each semester. Only semester final grades are indicated on each transcript.

**Progress Reports** – Halfway through each 9-week period a progress report will be available on Power School.

**Report Card** – Report cards will be available on Power School at the end of each quarter and semester. If you need a paper copy you can contact Plano High School.

## Honor Roll

Honor roll designations include the following:

Superior Honor Roll – students earn a current semester weighted GPA of 4.0

Honor Roll – students earn a current semester weighted GPA of 3.0

Honor roll is only computed at the conclusion of each semester.

## Valedictorian and Salutatorian

Valedictorian and Salutatorian are determined at the end of the senior students' seventh semester. This award is based on a cumulative weighted grade point average. Students designated as one of these will speak at graduation on approved topics.

## District Grading Scale

A+ = 100-98

B+ = 89-88

C+ = 79-78

D+ = 69-68

F = 59 and Below

A = 97-92

B = 87-82

C = 77-72

D = 67-62

A- = 91-90

B- = 81-80

C- = 71-70

D- = 61-60

## Grade Point Average and Class Rank

Class rank is determined by cumulative grade point average. The following grades are equal to the following points:

A+ 4.0

B+ 3.3333

C+ 2.3333

D+ 1.3333

F 0.0

A 4.0

B 3.0

C 2.0

D 1.0

A- 3.6667

B- 2.6667

C- 1.6667

D- 0.6667

Weighted courses are given the following points:

A+ 5.0

B+ 4.3333

C+ 3.3333

D+ 2.3333

F 0.0

A 5.0

B 4.0

C 3.0

D 2.0

A- 4.6667

B- 3.6667

C- 2.6667

D- 1.6667

## Weighted Courses

AP Literature and Comp

AP English and Comp

Advanced Placement Calculus

Advanced Placement Biology

American History Studies

Algebra II Honors

Anatomy & Physiology

Biology Honors

Chemistry Honors

Band Honors

Mixed Chorus Honors

English I Honors

English II Honors

Freshman Academy Honors

Geometry Honors

Pre-Calculus

Physics

Studio Honors

World War II

## Honors Diploma

Students wishing to earn an honors diploma must do the following:

1. Earn 32 credits (or maximum number of credits possible if a transfer student)
2. Have a cumulative weighted grade point average of at least 3.25 with no grade lower than a "C" in any class
3. Score at least a 21 on the ACT examination
4. Students must attend their entire junior and senior year to be eligible

## Graduation Requirements

<u>Subject Area</u>	<u>Credit Requirement</u>
English	4.00 (4 years)
Math	3.00 (3 years)
Science	3.00 (3 years)
Social Studies	3.00
<i>U.S. History</i>	<i>1.00</i>
<i>Civics</i>	<i>0.50</i>
<i>Social Studies Electives</i>	<i>1.50</i>
Consumer Economics	0.50
Driver Education	0.50
Physical Education	3.50
Health	0.50
Technology Applications	1.00
Freshman Academy	1.00
Art/Music/Foreign Language/Vocational Education	3.00
Electives ***	6.00
TOTAL	29.00

\*\*\* Transfer students will have the number of electives reduced depending on number of possible transfer credits from previous school.

## Transfer Credits

The following course grades will not count towards student GPA: WCC summer school for high school credit, summer Drivers Education course, correspondence courses, FLEX or PACE courses. The counselor and principal will apply credit earned in these courses towards graduation requirements provided the courses were pre-approved. Students will be allowed to transfer a total of 2 credits from correspondence classes or summer high school credit classes and 4 credits from PACE towards graduation requirements provided an official transcript indicating the grade is submitted to the guidance office. This does not include credits transferred in from other accredited high schools. College level courses at 100 or above taken at Waubensee Community College will count as .5 credit providing the class is at least 3 semester credit hours.

Each student should check with the counselor annually to make sure that he/she is making satisfactory progress toward meeting graduation requirements.

## Class Status Credit Hours

Sophomore = 6.00

Junior = 13.00

Senior = 20.00

## Early Graduation

A student may apply to graduate early by contacting Student Services and complete an application. Applicants must:

1. Maintain a cumulative 3.0 weighted GPA for the entire high school career
2. Meet all academic course requirements
3. Complete application as follows:
  - a. Students who wish to graduate at the end of their junior year must apply before the end of the first semester of their junior year.
  - b. Students who wish to graduate at the end of the first semester of their senior year (mid-term) must apply for early graduation no later than September 15 of their senior year.

## Transfer Requirements

A student who **completes the required registration process** and wishes to enroll 0-20 days prior to semester/final exams and is:

- under 17 and/or has special needs will NOT receive credit for classes unless the previous institution issues credit
- over 17 and/or has no designated special needs MAY BE DENIED ENROLLMENT until the first day of the next semester

A student who is **unable to document attendance in another school for 10 or more days prior to registration/enrollment at Plano High School** and is:

- under 17 and/or has special needs may enroll, but MAY NOT receive credit
- over 17 and/or has no designated special needs MAY BE DENIED ENROLLMENT

## Request for Transcripts

Students under the age of 18 must have parent signature on the transcript release form found in Student Services or Main Office. Students 18 or over may release the transcript by using their own signature. Transcripts will not be released if a signed form is not on file. Records may be sent to another high school without parent or student permission; however, special education files must have parental consent to be released. Parents and students are able to request a copy for personal review. Transcripts must be official and certified with the school seal to be sent to colleges, places of employment, or other use. Please allow **FIVE** business days for transcript requests to be completed.

## Extra-Curricular Eligibility

In order to be eligible to participate in the extra-curricular programs at Plano High School, students must not have attained the five-point limit the previous semester. In addition, a student must not attain five points on a weekly basis. It is understood that the student will have earned a cumulative number of credits during his/her time at Plano High School that will enable him/her to graduate on time with his/her class. Points will be assigned as follows based on weekly grades and the final semester grade:

## Extra-Curricular Eligibility Continued

F's = 2 points and D's = 1 point

The school will mandate that any athlete that is receiving 4 points or more will attend Mandatory Athletic Study Hall (M.A.S.H.). This study hall will occur every Wednesday and Thursday during our sports seasons. If an athlete does not attend this study hall, then they are not allowed to practice and could face a suspension.

The student/athlete must meet the following number of credits in order to remain eligible:

<b>By the beginning of:</b>	<b>Student must have accumulated:</b>
2 <sup>nd</sup> semester senior year	24 credits
1 <sup>st</sup> semester senior year	20 credits
2 <sup>nd</sup> semester junior year	15 credits
1 <sup>st</sup> semester junior year	11 credits
2 <sup>nd</sup> semester sophomore year	6 credits

NOTE: Prior to 2<sup>nd</sup> semester sophomore year, students are required to earn 3 credits (pass 6 classes) each semester in order to remain eligible.

A student may also be ineligible due to unpaid fees.

If an athlete is ineligible for a total of three weeks in a sport season, the athlete will be dismissed from the team by the athletic director.

See the Athletic Handbook for more information.

## Extra Curricular Opportunities

Baseball  
Boys & Girls Basketball  
Softball  
Boys & Girls Track & Field  
Cheerleading  
Girls Softball  
Boys & Girls Cross Country

Volleyball  
Football  
Wrestling  
Boys & Girls Golf  
Boys & Girls Soccer

## Activities and Clubs

**Art Club** – Enables students to experience the luxury of a larger block of time to work on their artwork or on group projects. Anyone can join Art Club. Those with no present art expertise are encouraged to investigate some of the neat things that can be done in the Art Department.

**Chess Club**- Allows students to learn the mechanics of chess while having fun. Throughout the season there are various meets against other schools in which we participate.

**Class Officers** – Expected to participate in all class activities and provide positive leadership. These activities include homecoming, fund raising, and class Olympics. In addition, at the junior level, officers will be responsible for helping with concession stands and prom. Senior officers have to make decisions about graduation and related senior activities. Officers will be expected to attend committee meetings.

**Future Educators of America (FEA)** – Anyone interested in teaching or coaching as a career should join. Focus is not only on learning to be teachers but show appreciation to staff.

**Madrigals** – Auditions are held each year for Madrigal singers, jester, juggler, hunchback, and beggar woman for the Madrigal dinner held in December and perform for various groups and organizations.

**National Honor Society** – NHS is based on teacher recommendations for sophomores, juniors, and seniors during the spring of the school year. Students are considered for the society if they have a minimum of a 3.25 GPA. Students are then rated by the staff on the basis of service, leadership and character. NHS spends many hours assisting with various school and community service projects.

**Plays** – Each Fall and Spring auditions are held for a musical performance. All are welcome to audition or volunteer to help behind the curtain with numerous tasks from sets and lighting to costumes and make-up.

**Scholastic Bowl** – Scholastic bowl is an academic competition in which students answer questions taken from the following areas: science, math, social studies, literature, fine arts, language arts, and miscellaneous or vocational education.

**Snowball** – Kendall County Operation Snowball is a 3-day retreat held twice each year. Each experience is planned by students from Plano, Oswego, Yorkville, and Newark. The emphasis is on peer leadership and the prevention of common problems. The philosophy of snowball is “Together we can make a positive difference.” All students are encouraged to attend, to be part of the planning group, and finally to be a member of the Snowball staff.

**Student Council** – Student Council representatives are selected on the basis of application, teacher recommendation and class elections. The group organizes all homecoming activities, school blood drives, and other activities and fund-raisers which would assist in improving the overall school climate.

**Fellowship of Christian Athletes** - Fellowship of Christian Athletes is a student led group that meets monthly to play games, listen to guest speakers, and discuss faith through fellowship. It is open to all students.

## Physical Examination Requirement

### **Notice to Parents and 8<sup>th</sup> Grade Students**

The Illinois School Code requires all ninth grade students to have a current physical examination dated within one year of entry recorded on the approved State of Illinois Department of Human Services Certificate of Child Health Examination form completed in its entirety. The physical must be signed by a physician, advanced nurse practitioner or physician assistant before it is accepted. In addition, a complete record of immunization dates your child received for an A cellular Tdap, polio, measles, mumps, rubella, varicella and hepatitis B are required. The immunization record must be signed by a health care provider who gave or can verify the immunization dates.

### **Sports Physicals**

Physicals are required for students engaged in sports. The IHSA sports physical, which satisfies the requirement for participating in sports at a high school level, is effective for 365 calendar days. The state mandated physical will satisfy this requirement provided it covers the entire academic school year. **Physicals documented on IHSA forms will not satisfy entrance into 9<sup>th</sup> grade.**

## College Credit Articulation Agreements

Waubonsee Community College grants college credit when learning experiences at the high school level duplicate those at the college level. Articulated credit enables students to receive advanced course placement, to save time and money, and avoid duplication of curriculum already learned in high school. Students must earn an "A" or "B" in the high school class and apply for credit within two years of graduation. Following is a list of courses at Plano High School for which articulation credit can be earned. See your career/technical instructor or counselor for the "College Credit Articulation Forms." For more information call the VALEES office at (630) 466-2474 or visit [www.VALEES.org](http://www.VALEES.org).

### **PHS Courses**

Accounting II  
Early Child Occupations and Advanced Early Childhood Occupations  
Technology Applications I and Technology Applications II

### **Indian Valley Vocational Center Classes**

Auto Body Repair I and II	Early Childhood Development I & II	Health Occupations- CNA
Automotive Mechanics II	Fire Science I & II	Law Enforcement I
Building Trades II	Graphic Communications I & II	Welding and Fabrication I & II
Computer Technology I	Health Occupations-Exploring	
Drafting and Design I & II	Medical Careers	

### ***The process for awarding credit includes:***

- 1) Earn an "A" or "B" in the specified high school course(s).
- 2) Apply to WCC for articulated credit within two years of the date of high school graduation.

## Indian Valley Vocational Center (IVVC) Requirements

A limited number of students are allowed to attend IVVC from Plano High School. Students interested in participating in IVVC are prioritized by the following criteria. Space is limited.

<b>#1 Senior</b> entering the <b>second year</b> of a <b>two-year program</b>	<ul style="list-style-type: none"> <li>a) Successfully completed <b>first year</b> same program at IVVC</li> <li>b) Returned all necessary <b>paperwork</b> in a timely manner</li> <li>c) Not missed more than <b>12 days</b> junior year (exception: major illness)</li> <li>d) Earned credits for graduation at the end of the year</li> <li>e) <b>Cannot be an early graduate</b></li> </ul>
<b>#2 Senior</b> entering a <b>one-year program</b>	<ul style="list-style-type: none"> <li>a) Passed the first year of a two-year program</li> <li>b) Not missed more than <b>12 days</b> at IVVC and PHS junior year (exception: major illness)</li> <li>c) Earned credits for graduation at the end of the year</li> <li>d) <b>Cannot be an early graduate</b></li> </ul>
<b>#3 Junior</b> entering the <b>first year</b> of a <b>two-year program</b>	<ul style="list-style-type: none"> <li>a) Successfully completed <b>related classes</b> at PHS</li> <li>b) Not missed more than <b>12 days</b> sophomore year (exception: major illness)</li> <li>c) Earned credits to be a <b>junior</b></li> </ul>
<b>#4 Senior</b> entering the <b>first year</b> of a <b>two-year program</b>	<ul style="list-style-type: none"> <li>b) Successfully completed <b>related classes</b> at PHS</li> <li>c) Not missed more than <b>12 days</b> junior year (exception: major illness)</li> <li>d) Earned credits for graduation at end of year</li> <li>e) <b>Cannot be an early graduate</b></li> </ul>
<b>#5 Senior</b> entering for the <b>second year</b> but <b>changing programs</b>	<ul style="list-style-type: none"> <li>a) Successfully completed <b>junior year at IVVC</b></li> <li>b) Not missed more than <b>12 days</b> at IVVC and PHS junior year (exception: major illness)</li> <li>c) Earned enough credits to graduate at end of the year</li> <li>d) <b>Cannot be an early graduate</b></li> </ul>

## English Department Flow Chart

FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
Transitional English/ English I	English II	English III	Senior Elective
English I	English II	English III	Senior Elective
<b>English I Honors</b>	<b>English II Honors</b>	<b>AP Language and Composition</b>	<b>AP Literature</b> Or Senior Elective

Senior Electives:

College Grammar and Comp  
Theories in Literature  
Publication Writing  
Global Literature

## English Courses

### **English I**

*2 Semesters = 1 credit*

***Placement determined by teacher***

*Grade 9*

This course includes elements of literature, grammar, composition, and vocabulary. Course work will include short and long-term reading assignments, book analysis/critiques, and a research project.

### **English I Honors**

*2 Semesters = 1 credit*

***Placement determined by teacher and MAP Testing Scores***

*Grade 9*

This is a **weighted** literature-based course. It develops students' grammar, composition, and vocabulary skills through writing and reading. Students will master the elements of literature along with varied genres of writing. Oral discussions, presentations, and independent reading projects will be included. A major research project is required.

### **Individual English I - Exploring Literature**

*2 Semesters = 1 credit*

***Must have IEP***

*Grade 9*

This course focuses on the following state goals: #1 Read with understanding and fluency; #3 Write to communicate for a variety of purposes. Topics include reading for pleasure and information, identifying elements of fiction, writing creatively and practically, using a dictionary and computer spell check, and recognizing misspelled words. Effort, abilities, and individual differences are a consideration in determining grades. An Exploring Literature text is used.

## English Courses

### **English Transition**

*1 Semester = 0.50 credit*

***Placement determined by teacher***

*Grade 9*

English Transition is for the student who would like to work on acquiring and improving basic reading and writing skills. The student will read a variety of short stories, poems, plays, and novels. Students will also write a variety of essays throughout this course. The student's grade is based on writings, class discussions, tests, and homework. This class will count as an elective credit in addition to the English Transition lab. Students in this class will take English I second semester.

### **English Transition Lab**

*1 Semester = 0.50 credit*

***Concurrent enrollment in English Transition***

*Grade 9*

This class will be run concurrently with English Transition. Students will continue to work on acquiring and improving their basic reading and writing skills. This class will count as an elective credit in addition to English Transition. Students in this class will be in English I lab second semester.

### **Intensive English I**

*1 Semester = 0.50 credit*

***Completion of English Transition***

*Grade 9*

Intensive English is a course design to cover the materials taught in English I within the time frame of a semester. Students will learn elements of literature, grammar, composition, and vocabulary. This course will run concurrently with the English I lab giving students the full English credit requirement needed for graduation.

### **Intensive English I Lab**

*1 Semester = 0.50 credit*

***Concurrent enrollment in Intensive English I***

*Grade 9*

English I lab is designed concurrently with Intensive English I. Students will continue to cover materials introduced in Intensive English as well as strengthen skills. In addition to Intensive English, this class will count as an English credit and allow students to fulfill graduation requirements.

### **English II**

*2 Semesters = 1 credit*

***Prerequisite: English I***

*Grade 10*

This course includes elements of literature, grammar, composition, and vocabulary. The student will continue to improve reading and writing skills through reading a variety of short stories, poems, plays, novels and through writing a variety of essays and a short story. The students will also acquire and improve critical thinking skills throughout this course. The student's grade is based on course work including short and long-term reading assignments, book analysis/critiques, writings, tests, and homework.

### **English II Honors**

*2 Semesters = 1 credit*

***Prerequisite: English I Honors***

*Grade 10*

This **weighted** course emphasizes advanced critical thinking skills in the analysis of literature and the development of the writer. Various categories of literary works will be studied. Oral communication and public speaking will be included. Persuasive research writing will be developed. *Summer Reading Assignment Required.*

## English Courses

### **Individual English II - American Literature**

*2 Semesters = 1 credit*

***Must have an IEP***

*Grade 10*

This course focuses on the following state goals: #1 Read with understanding and fluency; #3 Write to communicate for a variety of purposes. Topics include reading for pleasure and information, identifying elements of fiction, writing creatively and practically, using a dictionary and computer spell check, and recognizing misspelled words. An American Literature text is used. Effort, abilities, and individual differences are a consideration in determining grades.

### **English III**

*2 Semesters = 1 credit*

***Prerequisite: English II***

*Grade 11*

This is an integrated language arts program that emphasizes reading and writing in various categories of literary works. Public speaking is stressed in this course.

### **Individual English III - World Literature**

*2 Semesters = 1 credit*

***Must have an IEP***

*Grade 11*

This course focuses on the following state goals: #1 Read with understanding and fluency; #3 Write to communicate for a variety of purposes. Topics include reading for pleasure and information, identifying elements of fiction, writing creatively and practically, using a dictionary and computer spell check, and recognizing misspelled words. Effort, abilities, and individual differences are a consideration in determining grades. A British Literature text is used.

### **Theories in Literature**

*2 Semesters = 1 credit*

***Prerequisite: English I, II, III***

*Grade 12*

This course takes an analytical approach to literature in that the course revolves around the application of theory to literature. The theories of literary critique include but are not limited to: Marxist critique, existentialist critique, sociological critique, feminist critique, mythological/archetypal critique, and psychoanalytical critique. Students will attain a solid understanding of these theories and will read diverse forms of fiction and nonfiction, with the goal being to analyze and critique the literature using these theories. The course will require extensive reading, writing, discussion, and participation.

### **Publication Writing**

*2 Semesters = 1 credit*

***Prerequisite: English I, II, III or Teacher Approval for Dual Enrollment***

*Grade 12*

This class is for students who enjoy all aspects of writing and wish to improve their writing skills and abilities. The course will incorporate many different types of writing, which includes but is not limited to: poetry, creative nonfiction, fiction, memoir, journalism, and playwriting. While still including reading, the course will develop those skills, which are necessary for the writing process. These skills will focus heavily on creative development, use of literary elements, writing structure, and revision. Students who take this course will be required to submit work for publication.

## English Courses

### **College Composition and Grammar**

2 Semesters = 1 credit

**Prerequisite:** *English I, II, III*

Grade 12

In this course, students will refine revising and editing skills, preparing them for college English requirements. Students will write in a variety of genres, including expository, persuasive, narrative, and analytical. The course explores the elements of the research process, mechanics, and research documentation. Students will improve revision and editing skills. Large research papers will be required. Students will be required to write and revise writing daily.

### **AP English Language and Composition**

2 Semesters = 1 credit

**Prerequisite:** *A or B in Honors English I, Honors English II, plus Teacher Recommendation*

Grade 11

Students in this **weighted** Advanced Placement course will read a variety of prose written for different contexts and purposes. Reading will focus on the writer's purpose, audience, expectations, and the use of genres and language in terms of creating effective writing. AP Language students will write in formal and informal contexts through journals, collaborative writing, in-class responses, and essays. Students should be prepared to learn about organization, advanced vocabulary, sentence structure, details, tone, voice, diction and syntax. AP Language students will write about subjects from many disciplines, read primary and secondary sources, synthesize materials and cite sources. Students who enroll in this class are expected to take the AP Language and Composition Exam in May in order to possibly earn college credit.

**Summer Reading Requirements.**

### **AP English Literature and Composition**

2 Semesters = 1 credit

**Prerequisites:** *A strong work ethic, senior standing, A or B in English I Honors, English II Honors, and AP English Language and Composition are recommended. Teacher recommendation.*

Grade 12

In this challenging **weighted** class, students will carefully read and critically analyze imaginative literature. By closely reading assigned texts, students will deepen their understanding of the ways writers use language. Reading and writing will focus on analyzing a work's structure, style, and themes as well as such elements as the use of figurative language, imagery, symbolism, and tone. Students are expected to take the AP English test in May to possibly earn college credit.

**Summer Reading Requirements.**

### **Global Literature**

2 Semesters = 1 credit

**Prerequisite:** *English I, II, III*

Grade 12

This course is for students who wish to gain cultural awareness such as ethical and moral issues, the development of human attitudes toward religion, social relationships, and political attitudes through literature from around the world. The students are required to read a variety of short stories, plays, poems, and novels. Areas of study include, but are not limited to: Ancient Middle Eastern literature, Ancient Greek and Roman literature, literature of India, China, Japan, Africa, European literature from the Middle Ages, Latin American Literature, and Native American literature. The students' grade is based on course work including short and long-term reading assignments, a research project, writings, tests and homework.

### **Individual English IV – British Literature**

2 Semesters = 1 credit

**Must have an IEP**

Grade 12

This course focuses on the following state goals: #1 Read with understanding and fluency; #3 Write to communicate for a variety of purposes. Topics include reading for pleasure and information, identifying elements of fiction, writing creatively and practically, using a dictionary and computer spell check, and recognizing misspelled words. Effort, abilities, and individual differences are a consideration in determining grades. A World Literature text is used.

## Math Department Flow Chart

Grade 8	Grade 9		Grade 10	Grade 11	Grade 12
<b>General Math</b>	<b>Intro to Algebra (4 block)</b>	<b>Intensive Algebra I (4 block)</b>	<b>Geometry</b>	<b>Algebra II</b>	<b>Trigonometry or Probability and Statistics</b>
<b>Pre-Algebra</b>	<b>Algebra I</b>		<b>Geometry</b>	<b>Algebra II</b>	<b>Trigonometry or Probability and Statistics</b>
			<b>Geometry &amp; Algebra II (concurrently)*</b>	<b>Trigonometry or Probability &amp; Statistics</b>	<b>Pre-Calculus*</b>
<b>Algebra</b>	<b>Honors Geometry *</b>		<b>Honors Algebra II *</b>	<b>Pre-Calculus*</b>	<b>AP Calculus*</b>
	<b>Geometry</b>		<b>Algebra II</b>	<b>Trigonometry</b>	<b>AP Calculus*</b>
	<b>Algebra I</b>		<b>Geometry</b>	<b>Algebra II</b>	<b>Trigonometry</b>

\*Based on teacher recommendation/with consent of the instructor

## Math Courses

*Scientific calculators are required for all courses – (The T1-30 is recommended)*

### **Introduction to Algebra**

1 Semester = 0.50 credit

**Freshman Course – Placement by testing or teacher recommendation**

Grade 9

This course is designed to review the operations pertaining to whole numbers, fractions, and decimals, as well as introduce basic concepts in pre-algebra and algebra. This is a prerequisite course in the high school sequence. Students who successfully complete this course will take Algebra I during the next semester. **This course must be taken concurrently with Introduction to Algebra Lab.** *Required materials include a notebook and pencils.*

### **Introduction to Algebra Lab**

1 Semester = 0.50 elective credit

**Freshman Course – This Course must be taken in Conjunction with Introduction to Algebra**

This course is designed to provide additional support and practice for the Introduction to Algebra course. Hands-on and traditional activities, methods, and techniques will challenge students to apply concepts learned in the Introduction to Algebra course.

### **Intensive Algebra I**

1 Semester = 0.50 credit

**Prerequisite: Successful completion of Introduction to Algebra or teacher recommendation.**

Grade 9

This beginning course in Algebra is designed to take students well versed in basic math and introduce them to such concepts as real number operations, solving & graphing linear and quadratic equations, rational expressions, polynomials, powers and roots, and practical applications of all of the above. Students successfully completing this course will be ready for Geometry or Algebra II. Objectives are to develop good study habits, abstract thinking, and the ability to work problems in logical sequential order and become prepared for other math and science courses. **This course must be taken concurrently with Algebra 1 Lab.** *Required materials include a T1-30 calculator, a notebook, and pencils.*

### **Algebra I Lab**

1 Semester = 0.50 elective credit

Grade 9

This course is designed to provide additional support and practice for the Algebra I course. Hands-on and traditional activities, methods, and techniques will challenge students to apply concepts learned in the Algebra I course. This class must be taken in conjunction with Intensive Algebra I.

### **Algebra I**

2 Semesters = 1 credit

**Prerequisite: Placement by testing. Successful completion will prepare students for Geometry and Algebra II.**

Grade 9-11

This beginning course in Algebra is designed to take students well versed in basic math and introduce them to such concepts as real number operations, solving & graphing linear and quadratic equations, rational expressions, polynomials, powers and roots, and practical applications of all of the above. Students successfully completing this course will be ready for Geometry or Algebra II. Objectives are to develop good study habits, abstract thinking, and the ability to work problems in logical sequential order and become prepared for other math and science courses. *Required materials include a T1-30 calculator, a notebook, and pencils.*

### **Geometry**

2 Semesters = 1 credit

**Prerequisite: Successful completion of Algebra I, teacher recommendation**

Grade 9-12

Geometry covers the study and measurement of segments, lines, and shapes. It also involves the study of 2 and 3 dimensional figures, calculating segment lengths, angle measures, as well as areas and volumes. Emphasis is placed on real-life problem solving, as well as developing a logical approach to problem solving. This class will prepare the student to take trigonometry and the ACT/PSAE exams. *Required materials include a T1-30 calculator, a compass, a protractor, notebook, pencils, and folder.*

## Math – Continued

***Scientific calculators are required for all courses – (T1-30 is recommended)***

### **Geometry Honors**

*2 Semesters = 1 credit*

***Prerequisite: Successful completion of Algebra I and teacher recommendation***

*Grade 9*

This is a **weighted** course for freshmen only. It will explore the same topics and curriculum as the standard Geometry course, but will place further emphasis on problem-solving and test-taking strategies. This course will ultimately lead to a four-year math cycle that will culminate in the student's ability to take an Advanced Placement Calculus course. *Required materials include a T1-30 calculator, a notebook, and pencils.*

### **Algebra II**

*2 Semesters = 1 credit*

***Prerequisite: Successful completion of Algebra I required; Successful completion of Geometry recommended***

*Grade 10-12*

This class reviews many of the topics of Algebra I, such as solving equations, graphing, factoring, and problem solving however, this class goes much further, exploring systems of equations, exponents, graphing quadratic equations, and real world problem-solving. Logarithms, complex numbers, and matrices will be explored as a means of solving problems involving such concepts as population growth, and compound interest. We will complete a course similar to a college level Algebra course. This class will significantly enhance a student's chance to score well on both the ACT and PSAT exams. *Required materials are a notebook, folder, and a scientific calculator.*

### **Algebra II Honors**

*2 Semesters = 1 credit*

***Prerequisite: Successful completion of Geometry Honors required***

*Grade 10*

**This is a weighted course for sophomores only.** It will explore the same topics and curriculum as the standard Algebra II course, but will place further emphasis on problem-solving and test-taking strategies. This course will ultimately lead to a four-year math cycle that will culminate in the student's ability to take an Advanced Placement Calculus course. *Required materials are a notebook, folder, and a scientific calculator.*

### **Trigonometry & Analytic Geometry**

*2 Semesters = 1 credit*

***Prerequisite: Successful completion of Geometry and Algebra II, or consent of instructor***

*Grade 11-12*

This course is designed to provide topics and concepts, which grow out of the Algebra II course. It includes elementary functions, with polynomial functions and circular functions given special emphasis. It is designed to give students a strong math background for a rigorous calculus class. *Required materials include a calculator with trigonometric functions (there will be various sections in which the student is not allowed to use a calculator).*

### **Pre-Calculus**

*2 Semesters = 1 credit*

***Prerequisite: Successful completion of Algebra II Honors and Teacher Recommendation***

*Grade 11*

Pre-calculus is a **weighted** course with an introduction trigonometry. In-depth techniques and applications are used to prepare students for more advanced course work. Technology is used as a facilitating tool to integrate and explore mathematical concepts. A scientific calculator is required (TI 83+/ or a TI 84+ graphing calculator is recommended).

## Math – Continued

*Scientific calculators are required for all courses – (T1-30 is recommended)*

### **AP Calculus**

*2 Semesters = 1 credit*

**Prerequisite: Pre-Calculus**

*Grade 12*

This **weighted course** is a standard first-semester college calculus course. The students will learn the techniques, concepts and applications of limits, differentiation and integration. These concepts will be studied graphically, analytically, numerically and verbally. Students are expected to take the Advanced Placement exam in the spring. A graphing calculator is required.

### **Probability and Statistics**

*2 Semesters = 1 credit*

**Successful completion of Algebra I, Geometry, and Algebra II**

*Grade 11, 12*

This class is being offered to Juniors and Seniors who have successfully completed their high school math requirement of three credits but wish to continue their mathematics education. The course will include an introduction to the study of probability, problem solving through the use of statistical analysis, and gathering and interpreting data. Topics covered include data classification, measures of central tendency, probability distributions, confidence intervals, and hypothesis testing. The students will be expected to gather, explore, and analyze data so that they may draw conclusions based on their analysis.

### **Individual Math**

*2 Semesters = 1 credit*

**Placement determined by IEP team**

*Grade 9,10,11,12*

These courses focus on the following state goals: #6 Demonstrate and apply a knowledge and sense of numbers, including numeration and operations (addition, subtraction, multiplication, division, patterns, ratios, and proportions). Topics include basic computation, measuring, fractions, decimals, ratios, percents, calculations, word problems, pre-algebra and geometry concepts, and practical applications for math in the work place. Effort, abilities, and individual differences are a consideration in determining grades.

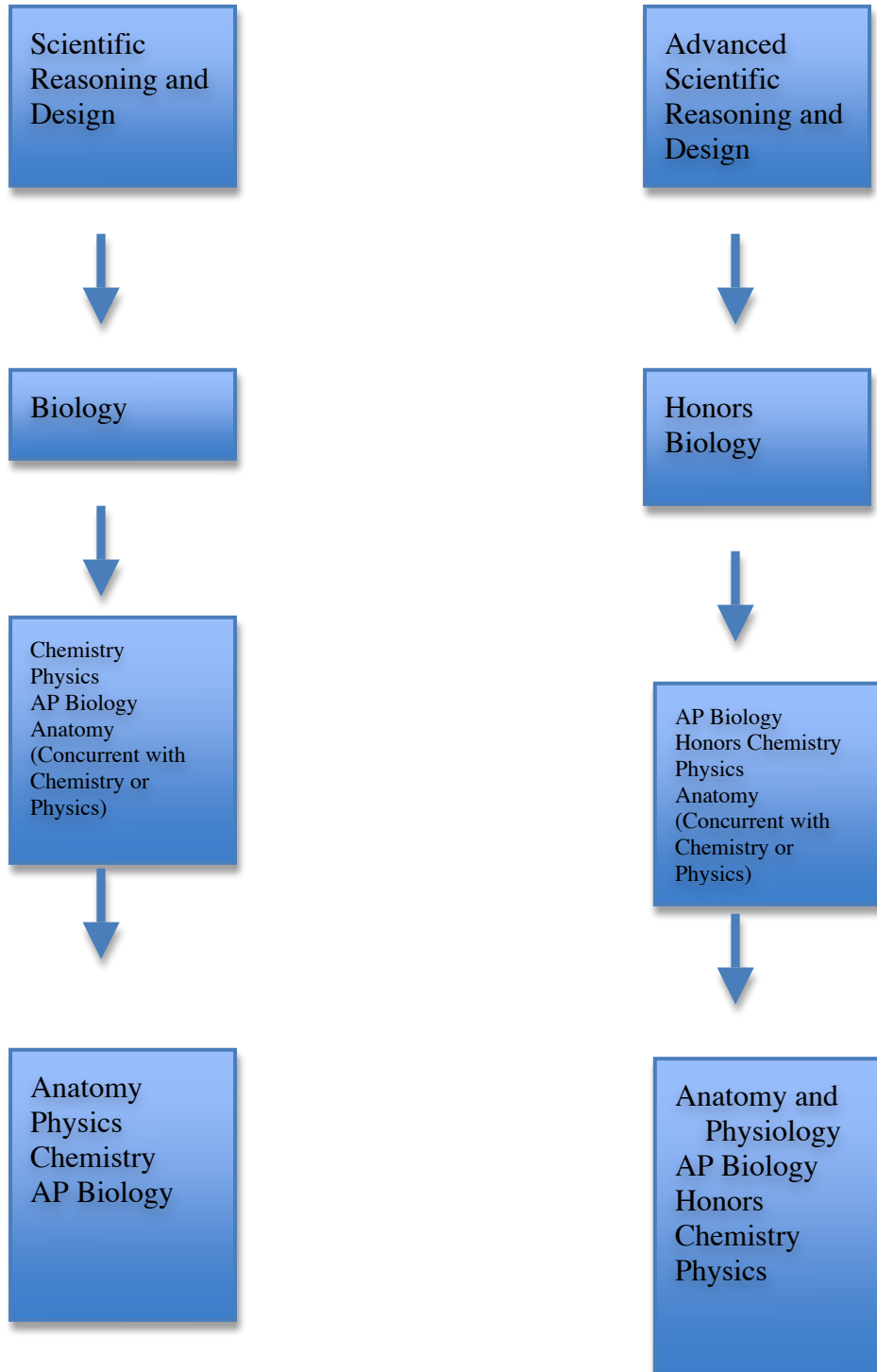
Individual Pre- Algebra: Algebra and whole numbers, using decimals, number theory, rational numbers and fractions, basic operations and rational numbers, ratios, proportions and percents, integers, exponents, square roots, Pythagorean Theorem, equations from geometry, graphing, geometry, data, statistics, and probability.

Individual Algebra: An introduction to concepts such as real number operations, solving and graphing linear equations, rational expressions, polynomials, powers and roots, and practical applications of all of the above.

Individual Geometry: An introduction of segments, lines, and shapes. It also involves calculating segment lengths, angle measurements, finding perimeter/circumference and area of a rectangle, triangle, square, and circle, properties of triangles, quadrilaterals, and polygons, similarity, as well as an emphasis on real-life problem solving.

Individual Math in the Working World: An introduction to how math is used in jobs and places of employment.

Science Department Flow Chart



## Science Courses

### **\*\*Scientific Reasoning & Design/Honors Scientific Reasoning & Design**

2 Semesters = 1 credit

**Prerequisite:** Teacher recommendation, combined with the following student data, will serve as a guide for student placement:

*Grade 9*

The College Readiness Benchmarks serve as the foundation of this course. This course will be lab-based. Students will develop lab skills; use critical thinking skills; and collect, graph, and analyze data. These skills will build upon each other, and culminate in student-designed experiments. The course will integrate content and concepts from biology, chemistry, earth science, and physics.

### **Biology**

2 Semesters = 1 credit

**Prerequisite:** *Physical Science (2011-2012) or Scientific Reasoning and Design*

*Grade 10-12*

This is an introductory course in the biological sciences. Topics include scientific method, cells, molecular organization of life, cellular division, genetics, DNA replication, protein synthesis, classification of organisms and ecology.

### **Biology Honors**

2 Semesters = 1 credit

**Prerequisite:** *teacher recommendation*

*Grade 9-10*

Biology Honors is a **weighted** class. This course is more in-depth and is taught at faster pace. This is an introductory course in the biological sciences. Topics include scientific method, cells, molecular organization of life, cellular division, genetics, DNA replication, protein synthesis, classification of organisms and ecology.

### **Advanced Placement Biology**

2 Semesters = 1 credit

**Prerequisites:** *Biology & B or higher in Chemistry or Teacher Approval*

*Grades 12*

This **weighted** course parallels a college freshman Biology course and depending on the student's score on the College Board AP Exam at the end of the year, could count as college credit (check with the college you plan to attend). This course is fast-paced, challenging, and intended for college-bound students. Emphasis will be on molecular, cellular, organismal, and population biology. This class will be run concurrently with an Advanced Placement Biology Lab.

### **Chemistry**

2 Semesters = 1 credit

**Prerequisite:** *Algebra 1*

*Grade 10-12*

Chemistry is an introductory course in chemical concepts including scientific method and measurement, basic chemical principles, language of chemistry, knowledge of chemical reactions and change of state, as well as mathematical concepts that apply throughout the course. This course will provide a foundation for college chemistry coursework and other related courses. *Students need a scientific calculator.*

### **Chemistry Honors**

2 Semesters = 1 credit

**Prerequisite:** *Algebra 1 & Teacher Recommendation*

*Grade 10-12*

Chemistry Honors is a **weighted** class designed for students who can handle a more in-depth approach and faster pace of instruction. Chemistry Honors is an introductory course in chemical concepts including scientific method and measurement, basic chemical principles, language of chemistry, knowledge of chemical reactions and change of state, as well as mathematical concepts that apply throughout the course. This course will provide a foundation for college chemistry coursework and other related courses. *Students need a scientific calculator.*

## Science – Continued

### **Anatomy & Physiology**

2 Semesters = 1 credit

**Prerequisite:** *Physics, Chemistry or concurrent enrollment*

Grade 11-12

This is a **weighted** course emphasizing the anatomy and physiology of humans. All major body systems will be studied in detail. Dissections and other labs are a large part of this course. This course is an excellent foundation for college-level anatomy coursework. This course is strongly recommended for students considering health and/or life science occupations including physical and occupational therapy, sports medicine, physical trainers, nursing, coaching, etc.

### **Earth Science I**

1 Semester = 0.50 credit

Grade 10-12

Earth Science is a hands-on laboratory science course in which students collect and interpret real-time data to study major earth systems. Specific topics include geology, plate tectonics, and earth history. Problem solving and critical thinking are utilized to gain an understanding of events happening in the real world. This laboratory-oriented course prepares students for further coursework in chemistry, physics, and earth science.

### **Earth Science II**

1 Semester = 0.50 credit

Grade 10-12

This lab-based course will study the remaining three branches of earth science, including, astronomy, meteorology, and oceanography. Problem-solving and critical thinking are utilized to gain an understanding of events happening in the real world. This laboratory-oriented course prepares students for further coursework in chemistry, physics, and earth science.

### **Physics**

2 Semesters = 1 credit

**Prerequisite:** *Chemistry, Trigonometry (or currently enrolled in this course)*

Grade 11-12

Physics is a **weighted** class that focuses on the study of matter and energy through hands-on laboratory activities and lecture. This course offers an overview of scientific method, mechanics, heat, sound, light, electricity and magnetism. The sequence is designed to provide students the background skills required for a first-year college Physics course. Trigonometry principles will be used in this class. *Students need a scientific calculator.*

## Social Studies Courses

### **Early World History**

*1 Semester = 0.50 credit*

*Grade 9-10*

This class begins with the origins of human life before written history and proceeds to the fall of the Roman Empire. Important topics will include early civilizations, first empires, influence of Greece and Rome in our society, and the spread of Christianity. Students will be introduced to map/chart reading, political systems, and governments.

### **Modern World History**

*1 Semester = 0.50 credit*

*Grade 9-10*

This class focuses on the period from the Middle Ages until recent world history, including the Cold War and terrorism. We will also discuss the early inhabitants at the Americas, Exploration, French and Russian Revolutions, Industrial Revolution, Imperialism, and the World Wars. Students will be introduced to map/chart reading and political systems and governments.

### **Geography**

*1 Semester = 0.50 credit*

*Grade 10*

Geography pertains to the description, distribution and interaction of the diverse physical, biological, and cultural features of Earth's surface. In this course students will study the world's physical features, how they blend with social systems, and affect economics, politics, and human interaction. Students will also use map/charts to analyze historical documents. Students will learn the countries of the world and how countries interact with each other.

### **Political Science**

*1 Semester = 0.50 credit*

*Grade 10*

Political Science will introduce and familiarize students with the basics of political systems. Topics discussed in class will begin with types of governments and continue on with public opinion, political culture/participation, the media and its effect, political parties, interest groups, civil rights/liberties and political cartoons. Through hands-on activities and research students will interact with the political world around them.

### **U.S. History**

*2 Semesters = 1 credit*

*Grade 11*

This is a year-long course covering the colonization through World War II. Students will be required to complete numerous activities including tests and group projects. Students will be required to write a detailed research paper. ***This course is required to graduate.***

### **American History Studies**

*2 Semesters = 1 credit*

***Prerequisite: Honors English II, teacher approval***

*Grade 11*

This is a **weighted** course. This class integrates literature and historical events to help students understand major themes that have made the U.S. a world leader today. This class will investigate the social aspects of various time periods, developing an understanding of how these time periods were a reflection of the past and how they affected the immediate future. Extensive note taking, examinations, cooperative learning, and time period simulations are used in this course. Students will be required to write a research paper.

## Social Studies - Continued

### **Civics**

*1 Semester = 0.50 credit*

*Grade 12*

In this class, we will discuss our American government and all its components. Topics such as the three branches of government, origins and early forms of U.S. government, landmark Supreme Court rulings, and current political events will be covered. The student will also have to take and pass the U.S. Constitution and Illinois Constitution exams in order to graduate. **Five hours of community service are required for successful completion of this class.**

***This course is required to graduate.***

### **Current Events**

*1 Semester = 0.50 credit*

*Grade 12*

Current Events is largely a discussion course focusing on world events and social issues that affect our society today. Events of the past 20 years will be studied to determine the impact on American society. Students will be required to write 3-4 essays and take 2-3 essay exams.

### **Recent U.S. History**

*1 Semester = 0.50 credit*

***Prerequisite: U.S. History, English I, II, III***

*Grade 12*

This class will cover the time period from 1945-present. Topics include the Cold War, John F. Kennedy, President Nixon, Vietnam and the Civil Rights movement. Recent United States History (R.U.S.H.) will prepare students for college level history coursework. Requirements include 4-5 papers and 2-3 essay exams.

### **World War II**

*1 Semester = 0.50 credit*

***Prerequisite: U.S. History, Teacher approval***

*Grade 12*

This **weighted** course will cover the causes and affects of World War II. Topics will include Hitler's rise to power in Germany through affects of the Atomic Bomb in Japan. Extensive note-taking and class discussions are required. Students are also required to read several books outside of class. Knowledge will be measured by cooperative learning projects, research papers, and essay exams.

### **Sociology**

*1 Semester = 0.50 credit*

*Grade 11-12*

Sociology is the study of human relationships. In this course we will discuss multiple topics including racism, discrimination, family matters, violence in America, disabilities, and religion. Comprehension of material is measured through discussion, cooperative learning projects, and hands-on activities.

### **Behavioral Psychology**

*1 Semester = 0.50 credit*

***Prerequisite: Biology***

*Grade 11-12*

This course will include topics on careers in psychology, brain and behavior, sensation, motivation, emotions, consciousness versus sleep, learning and learning styles, intelligence and creativity. Students will learn through participation in notes, labs, and journal topics. This course will provide a foundation for college psychology coursework.

## Social Studies - Continued

### **Personal Psychology**

1 Semester = 0.50 credit

**Prerequisite: Biology**

Grade 11-12

This course will explore human development from infant through the elderly adult, personality theories and styles, conflict, stress, mental disorders, gender, and sociocultural influences. Students will learn through participation in notes, labs, and journal topics. This course will provide a foundation for college psychology coursework.

## Physical Education - Health - Driver Education

### **Introduction to Physical Education**

2 Semesters = 1 credit

Grade 9

This course introduces concepts for personal development in health-related fitness and physical skills. These include cardiovascular exercise, body composition, strength, endurance, and flexibility, which will be the basis for the four-year physical education program. This course focuses on introducing rules of the games and activities, basic health concepts, and basic resistant training techniques. Student must be physically cleared for physical activity.

### **Physical Education**

2 Semesters = 1 credit

Grade 10-12

Physical education is required by the State of Illinois. It is the goal of the Physical Education Department that our students gain a knowledge and appreciation of the worth of physical fitness that will contribute to an individual's quality of life. By offering a variety of team and individual recreational sports activities, we hope to encourage carryover into participation as an adult. Activities are designed to allow group interaction to enhance the social and emotional development of the students. *Requirements include participation and PE uniform.*

### **Performance Training**

2 Semesters = 1 credit

**Prerequisite: Involvement in athletics, teacher recommendation, strong work ethic**

Grade 10-12

*This course is for the serious athlete or fitness enthusiast. Each student can expect a high intensity workout, focusing on strength, speed and agility. Each student will have the opportunity to expand their level of fitness knowledge as well as physical abilities. A semester long project will show what the student has learned and how they have improved their performance and fitness knowledge. Seniors will be able to follow their designed program in their final semester of school.*

### **Fitness Physical Education**

2 Semesters = 1 credit

**Prerequisite: Goal oriented, strong work ethic**

Grade 10-12

This is an alternate choice of PE for fitness driven individuals. This course is focused on the principles of fitness (Cardio-respiratory, flexibility, strength, endurance and body composition). Student will progress in all forms of fitness. Attaining individual fitness goals throughout the semester will be emphasized. This course will focus on alternative forms of fitness including but not limited to yoga, aerobics, muscle toning as well as other current fitness trends.

## Physical Education - Health - Driver Education - Continued

### **Collaborative PE**

*2 Semesters = 1 credit*

***Prerequisite: Teacher Recommendation***

*Grade 9-12*

A physical education program in which teaching methods are designed to meet the unique needs of any individual student. It is a cooperative program in which emphasis is placed on increasing the students' skill movement, increasing their current fitness levels, and encouraging and promoting a more active lifestyle. This course is designed for a small group atmosphere. The smaller class sizes will enable the instructor to make appropriate individual adaptations. Students will also work closely with their peers. A cooperative/leadership program is established for an increased learning experience for all students.

### **Health**

*1 Semester = 0.50 credit*

*Grade 10*

The physical, social, mental/emotional health of human beings is studied in this one semester required course. The structure and systems of the body, infectious and lifestyle diseases, mental disorders, aspects of fitness, hazards of substance abuse, nutrition information, and decision making are among the topics covered.

***This course is required to graduate.***

### **Driver Education**

*1 Semester = 0.50 credit*

***Prerequisite: Passing grade in 8 courses during previous 2 semesters including 2 semesters of PE***

*Grade 10*

The first phase of this course is to provide educational experience to give students the skills, knowledge, and proper attitudes necessary for the efficient and safe operation of the motor vehicle. Phase two gives each student behind-the-wheel driving experience in a dual control automobile. Students receive a maximum of 6 hours driving practice.

***Attendance is mandatory. After 3 absences, students are dropped from the class. Class is offered quarterly and is shared with 0.25 credit of Physical Education. This course is a graduation requirement.***

***Fee: A fee will be charged for Driver's Ed and must be paid before students begin the class.***

**Fine Arts**  
**Art – Foreign Language – Music – Theater**

**Art Courses**

**\*\*Intro To Art**

*2 Semesters = 1 credit*

*Grade 9-12*

This class is intended for any student who has an interest in hands-on art and wants to explore a variety of art mediums and processes. Two and three-dimensional art experiences will include drawing, painting, art history, airbrushing, and sculpture. Individual artists will be studied independently, by each student. Students will be introduced to the Elements of Art, and will also cover the Principles of Art. *This class is required for entry in many other art classes. A spiral-bound sketchbook, kneaded eraser, and pencils are required.*

**Art 2-D/Art II**

*2 Semesters = 1 credit*

**Prerequisites: Intro to Art**

*Grade 10-12*

This class introduces the student to mainly drawing and painting techniques and experiences. Drawings may include pencil, graphite, oil pastels, soft pastels and charcoal. Paintings may include oils, acrylics, tempera, airbrushing, or watercolors. Art history will also be included in this class. An in-school mural project will be a part of this class. *Spiral-bound sketchbook, kneaded eraser, and pencils are required.*

**Advanced Art/Art III**

*2 Semesters = 1 credit*

**Prerequisite: Art 2-D/Art II**

*Grade 11-12*

This is an advanced class for those who want to improve their artistic skills and techniques as well as broaden their knowledge in the arts. Two and three-dimensional works will be created in this class. Drawing portions in this class will explore new mediums and techniques. Pencil, charcoal, markers, colored pencil, conte crayon, chalk pastels, oil pastels, and ink will be some of the media that will be used to create original drawings. Airbrushing will be reviewed in this class. Advanced painting projects are also a portion of this class. Etching will also be reviewed in this class..

**\*\*Art Survey**

*1 Semester = 0.5 credit*

*Grade 9-12*

This class is an introduction class for students who want to gain an understanding, knowledge, and appreciation for the arts. This class will include the study of paintings, drawings, sculptures, architecture, and film throughout the ages. The majority of this class will be discussion/lecture of art works throughout the ages that will be assessed through multiple-choice and written assessments. Portions of this class will be to create artworks to resemble/understand works of art that have been studied. No art experience required.

**Ceramics I**

*2 Semesters = 1 credit*

*Grade 10-12*

Both hand-building and throwing on the potter's wheel is introduced and developed. Decoration techniques including staining, under glazing and glazing are presented. Students will learn techniques to construct both functional and non-functional ceramic pieces. The student must provide a water bucket.

## Art - Continued

### **Ceramics II**

*2 Semesters = 1 credit*

**Prerequisite:** *Ceramics I*

*Grade 10-12*

The class involves the refinement and development of techniques learned in Ceramics I and the introduction to Raku work. Students may choose either throwing and hand-building techniques to complete the assignment given. A significant emphasis will be placed on ceramic decoration techniques. The use of porcelain will be introduced along with limited use of low fire glazes. Some out-of-class work will be required. *Required materials include an elephant ear sponge and water bucket.*

### **Ceramics III**

**(Independent Study)**

*2 Semesters = 1 credit*

**Prerequisite:** *Ceramics I, II and approval of instructor*

*Grade 11-12*

Ceramics III will present opportunities of study in the broad area of Ceramics. Each student will develop an independent plan for their work that will include new techniques. Glaze mixing and the use of specific clay bodies will be introduced. Production of high quality work is the emphasis of this class. Out-of-class work will be required.

### **Crafts I – General Crafts**

*1 Semester = 0.50 credit*

*Grade 9-12*

Crafts I introduces various craft areas such as wood, metal, fabric, plastic, leather, clay, and stained glass. It is a fun class for recreational art. Most projects can be completed in class.

### **Crafts II – Stained Glass**

*1 Semester = 0.50 credit*

**Prerequisite:** *Crafts I*

*Grade 9-12*

Crafts II is a one semester class studying and refining stained glass techniques. Projects may include mosaics, sun catchers, night-lights, boxes, and window designs. Some out-of-class work is required.

### **Jewelry**

*1 Semester = 0.50 credit*

**Prerequisite:** *Crafts I, recommended Art I*

*Grade 11-12*

This class will introduce the creation of jewelry. Found objects, glass, clay, wood and metals will be used in the production of jewelry. Fabrication techniques will be introduced along with bead-making and chain-making. Some out-of-class work is required. A sketchbook is required for this class.

### **Sculpture I**

*1 Semester = 0.5 credit*

**Prerequisite:** *Intro to Art*

*Grade 10-12*

Students will be introduced to 3-dimensional art. Sculptures will be made out of materials such as clay, paper, plaster, Styrofoam, wood, stone, and various found objects. Most of the work can be completed during class time. Famous sculptors will be studied in class. A sketchbook is required.

## Art - Continued

### Sculpture II

1 Semester = 0.5 credit

**Prerequisite: Sculpture I**

Grade 10-12

Three-dimensional art is further studied in this course. The student will learn to braise, cast and incorporate more unusual means of producing sculptures. Famous sculptors will be studied in this class. A sketchbook is required in this class.

### Studio

1 Semester = 0.50 credit

**Prerequisite: teacher recommendation**

Grade 11-12

Studio is a one-semester class, which involves independent study in an area chosen by the student and teacher. This class is recommended for the self-motivated student. A journal must be kept by the student recording use of time in and out of class. Creativity and drive is necessary for acceptance into this class. Student is expected to participate in art show. Students must work a minimum of 1 hour a week out of class for an above-average grade. Independent art history research is required. **This class may be repeated.**

### Studio Honors

1 Semester = 0.50 credit

**Prerequisite: teacher recommendation, Art I, II**

Grade 11-12

This is a **weighted** art class. Students will prepare work for submission for college entrance. Their portfolio must include at least 6 major works including still life, portrait, and landscape drawings with one painting. Three research papers/projects will also be required. The student must also visit either the Chicago Museum of Art, the Contemporary Museum of Art or another art museum approved by the instructor in advance on personal time during the semester. This class prepares students for art reviews at college and university levels. **This class may be repeated.**

## Foreign Language

### Spanish I

2 Semesters = 1 credit

**Prerequisites: C or better in previous English class and enrolled in or completed English I**

Grade 9-12

This course is designed for the student with minimal competency or no previous exposure to Spanish. Basic vocabulary and grammatical concepts will be introduced and integrated for a basic competency of the four communication skills. Individual and group activities will provide the means for the student's interactions. Culture involving customs, geography, history and the people of Spanish-speaking countries will be explored. Students will be assessed in terms of written and oral proficiency related to individual/group activities, assignments, quizzes and tests.

### Spanish II

2 Semesters = 1 credit

**Prerequisite: Spanish I or placement test**

This is a continuation of Spanish I. The format and assessment are the same for Spanish II and focuses on more challenging skills and knowledge.

## Foreign Language- Continued

### **Spanish III**

*2 Semesters = 1 credit*

**Prerequisite: Spanish II or placement test**

This course is a continuation of Spanish II. Vocabulary and advance grammatical concepts will be introduced in order to increase the ability to communicate. Cultural topics and projects will also be introduced. Exposure to Spanish literary works will enable the student to read, understand, and speak utilizing previously learned vocabulary and grammar in context. Students will be assessed in terms of oral and written proficiency related to group participation, assignments, quizzes and tests.

### **Spanish IV**

*2 Semesters = 1 credit*

**Prerequisite: Spanish III or placement test**

This course is a continuation of Spanish III and is a college-level preparatory. Vocabulary and advanced grammatical concepts will be introduced in order to increase the ability to communicate. There will be a greater focus on cultural issues and literary works. Other aspects of the Spanish culture will be explored which includes music, dance, art, and theater. Students will be assessed in terms of oral and written proficiency, projects, assignments, tests and quizzes.

### **Spanish for Spanish Speakers**

*2 Semesters = 1 credit*

**Prerequisite: Achievement of an 80% or better on a placement test**

This is a course completely in Spanish and designed for students who have a high functioning background in Spanish. It is equivalent to English I. This course concentrates on the written and linguistic aspect of the language. The course will include culture, history, art, drama, literature and other areas of interest. Successful completion of this course provides a student with the skills to accurately read and write Spanish.

Este curso está enseñado completamente en español y está diseñado para los estudiantes que tienen una historia en español. Este curso se concentra en los aspectos escritos y lingüísticos del idioma. El curso incluye cultura, historia, arte, teatro, literatura y otros aspectos de interés. La terminación exitosa de este curso provee un/una estudiante con las habilidades para leer y escribir español.

### **Spanish for Spanish Speakers II**

*2 Semesters = 1 credit*

**Prerequisite: Successful completion of Spanish for Spanish Speakers**

This is a course completely in Spanish and designed for students who have a high functioning background in Spanish. It is equivalent to English II. This course concentrates on the written and linguistic aspect of the language.

## Music

### **Music Appreciation I (1900-Present)**

*1 Semester = 0.50 credit*

*Grade 9-12*

This class is open to all students. Students will learn the introductory basis of music theory, music history, and general music knowledge.

### **\*\*Music Appreciation II (1000-1900)**

*1 Semester = 0.50 credit*

*Grade 9-12*

This class is open to all students. Students will learn the introductory basis of music theory, music history, and general music knowledge.

## Music - Continued

### **Band**

*2 Semesters = 1 credit*

**Prerequisites:** *Middle school band or director approval. Students may not take only one semester of band unless given specific written permission by the band director. This includes scheduling issues.*

*Grade 9-12*

This class includes marching band, pep band, and concert band. Participation in concerts and athletic events is required. Students may participate in band and any athletics of their choice. Optional activities offered with this class include the I-8 Band Festival, IMEA Festival, Flag Corps, Jazz Band, Madrigals, Solo and Ensemble, and Beginning Band Mentoring.

### **Honors Band**

*2 Semesters = 1 credit*

**Prerequisites:** *Students must have participated in high school band for at least one year with a final grade of 80% or higher, junior standing, and consent of the instructor. This class can only be taken once. Audition Required.*

*Grade 11-12*

In addition to the requirements for Band, students in this **weighted class** will complete 2 additional projects each semester that may include but are not limited to the following activities: auditioning for the IMEA Senior Music Festival; participating in private lessons with a weekly journal of rehearsals, new techniques, and strategies; participating in a college music festival; attending 8 vocal/instrumental music performances at area high schools and writing a comparison paper; etc.

### **Introduction to Choir**

*2 semesters = 1 credit*

*Grades 9-12*

This choir is open to all students. No previous vocal training is necessary. Classroom focus will be on tone quality and intonation. Students will learn to sing a variety of music in unison, two, and three-part harmony. Participation in concerts is mandatory. Optional activities include Madrigals, Solo and Ensemble, and IMEA.

### **Mixed Choir**

*2 Semesters = 1 credit*

**Prerequisite:** *Audition*

*Grade 10-12*

This choir is open for students of all grades by audition. Students will learn to sing a variety of music in three and four part harmony. Participation in concerts is mandatory. Optional activities include Madrigals, Solo and Ensemble, IMEA, and I-8 honor choir festival.

### **\*\*Honors Mixed Choir**

*2 Semesters = 1 credit*

**Prerequisites:** *Students must have participated in high school mixed choir for at least one year with a final grade of 80% or higher, junior standing, and consent of the instructor. This class can only be taken once. Audition Required.*

*Grade 11-12*

In addition to the requirements for Mixed Choir, students in this **weighted class** will complete 2 additional projects each semester that may include, but are not limited to the following activities: auditioning for the IMEA Senior Music Festival; participating in private lessons with a weekly journal of rehearsals, new techniques, and strategies; participating in a college music festival; attending 8 vocal/instrumental music performances at area high schools and writing a comparison paper; etc.

### **Independent Music Study**

*1 Semester = 0.50 credit*

**Prerequisite:** *Teacher approval*

*Grade 10-12*

This class is open to all students. Students will choose an instrument or voice part to concentrate on for the semester in addition to studying music theory. Students have taken this class in the past to focus upon auditioning for the high school drum line, learning to play the guitar, or learning to play the piano.

**This class may be repeated.**

### **Honors Independent Music Study**

1 Semester = 0.50 weighted credit

**Prerequisite:** Two completed semesters of Independent Music with a grade of 80% or higher and teacher approval.

Grade 11-12

In addition to the requirements for Independent Music Study, students will complete a composition portfolio, complete additional writing assignments, use Finale software, work on music theory concepts and ear-training, submit an original composition to the IMEA, and perform an original solo/ensemble composition at the concert in May.

This class may be repeated.

## **Theatre Courses**

### **Acting I – The Basics**

1 Semester = 0.50 Credit

**Prerequisite:** All students may take this course

Grades 9-12

Students will learn the basic skills for acting including movement, voice, and improvisation. Students will learn to work within group dynamics, overcome stage fright, and begin to analyze the world around them and how it relates to acting. Though most of the class is hands-on, some written work, reading and research are required.

### **Acting II – Techniques**

1 Semester = 0.50 Credit

**Prerequisite:** Acting I

Grades 10-12

Students will review improvisation and how it relates to acting then delve deeper through script analyze, monologue and scene work. Students will be exposed to past and present playwrights, will learn about different styles and philosophies of acting and apply them to performances in class. Students explore comedic, dramatic, and period texts. Though most of the class is hands-on, some written work, reading, and research are required.

### **\*\*Film Studies**

1 Semester = 0.50 credit

**Prerequisite:** All students may take this course

Grades 9-12

Students will learn about the history and development of film from its beginnings in the mid 1890's through modern day. Focus will be upon technological innovations, aesthetic movements and styles as an expression of national identity, and cultural and social impacts of film. Students will research different film genres, directors, and learn how to effectively perceive, understand, and evaluate films through a critical eye. Though this class will view several films, there will be a substantial amount of research, reading, and writing required.

### **\*\*Musical Theatre**

1 Semester = 0.50 credit

**Prerequisite:** Acting 1

Grades 10-12

Students will learn about the history and elements of musical theatre. Students will have the opportunity to study and re-create scenes from classic and modern day musicals such as *West Side Story* and *Rent* while focusing on acting, singing, and dance. Though most of the class is hands-on, some written work, reading and research are required.

### **\*\*Acting Studio**

1 Semester = 0.50 credit

**Prerequisite:** Acting 1 & 2

Grades 10-12

This course is for students who wish to further their acting skills after finishing all available acting classes. In addition to delving deeper into scene work, monologues, directing, the business of theatre, students will learn about post-secondary programs to study theatre or performing arts. Students will have the opportunity to apply, prepare, and audition for the post-secondary programs of their choice.

## Theatre Courses - Continued

### **Theatre Technology I**

1 Semester = 0.50 credit

***Prerequisite: All students may take this course***

Grades 9-12

Students learn "hands-on" about theatrical set building. Students will learn about basic set design, tools, and assist with building the theatrical sets utilized for the play season at Plano High School. In addition, students will focus on safety precautions revolving around the tools associated with theatre. Though most of the class is hands-on, some written work and reading is required.

### **Theatre Technology II**

1 Semester = 0.50 credit

***Prerequisite: Theatre Technology I***

Grades 10-12

Students will learn "hands-on" about various aspects of theatre technology. Students will learn about the design process, thumbnail sketches, functional models, lighting design, sound design, costumes, make up, properties, and marketing a production. Though most of the class is hands-on, some written work and reading is required.

### **\*\*Directing Studio**

1 Semester = 0.50 credit

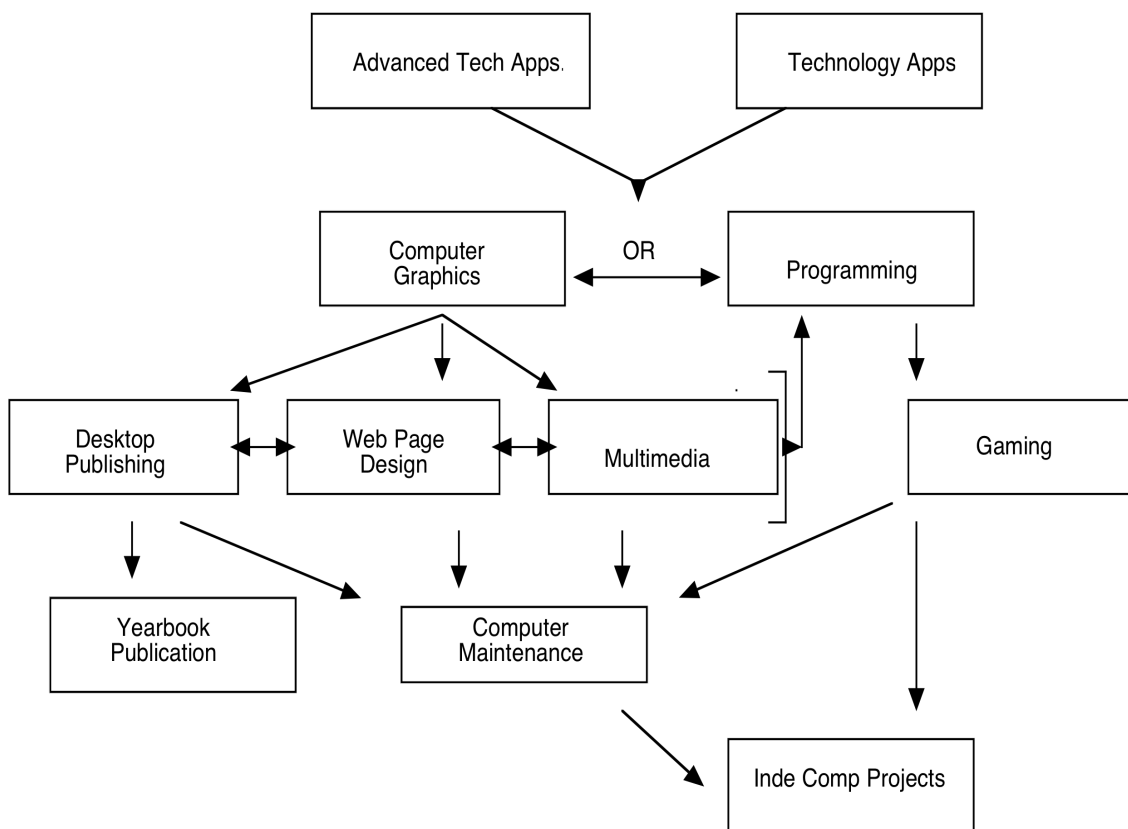
***Prerequisite: Acting I and II or Musical Theatre***

In this class student will act as the assistant director for the fall or spring theatrical production at Plano High School. They will be responsible for all aspects of directing including; casting, blocking, timing, motivation of actors, sculpting a vision, organizing crews, communicating effectively, and marketing the show. This will require after-school hours to coincide with play rehearsals in addition to classroom time.

# Vocational Education and Electives

## Business Computer Curriculum Flow Chart

### Business Computer Flowchart



## Business Computer Education Courses

### **Technology Application/Information Processing I**

1 Semester = 0.50 credit

**Prerequisite:** Signed Acceptable Use Policy for Internet Use

Grade 9-12

Technology Application/Information Processing is the first level in a student's computer/office careers education. This course introduces students to the hardware components of a computer system and word processing software, allowing them to develop keyboarding skill and formatting specific documents (letters, tables, reports, forms) which require decision-making regarding acceptability, arrangement and English usage. Additional content includes a basic understanding of punctuation and proofreading, online information available via the Internet and learn key aspects of using the Internet. Instruction will emphasize proper keyboarding technique and speed-building. Students will develop an ethical work behavior, positive working relationships with others, and responsibility for their own work.

***This course is required for graduation.***

### **Advanced Technology Application/Information Processing I**

1 Semester = 0.5 credit

**Prerequisite:** Signed Acceptable Use Policy for Internet Use

Grade 9-12

*Advanced Technology Application/Information Processing is the first level in a student's computer/office careers education. This course introduces students to the hardware components of a computer system and word processing software, allowing them to develop keyboarding skill and formatting specific documents (letters, tables, reports, forms) which require decision-making regarding acceptability, arrangement and English usage. It is administered at an accelerated pace.*

*In addition to the content included Technology Application/Information Processing I, content includes the advanced exploration and utilization of Microsoft Word. Integration of programs and creation of web documents also developed. This course will be centered on performance based activities and the development of a project portfolio. Students will develop an ethical work behavior, positive working relationships with others, and responsibility for their own work.*

***This course is required for graduation.***

### **Technology Application/Information Processing II**

1 Semester = 0.50 credit

**Prerequisite:** Technology Application/Information Processing I and signed Acceptable Use Policy for Internet Use

Grade 9-12

Technology Application/Information Processing II builds on the concepts of Technology Application/Information Processing I. Students develop an awareness and understanding of the application of information processing concepts, software and equipment to accomplish tasks typically performed in computer/office/business careers. Instruction in this course focuses on building word processing skills, exploring and utilizing spreadsheet, database, and presentation software.

***This course is required for graduation.***

### **Advanced Technology Application/Information Processing II**

1 Semester = 0.5 credit

**Prerequisite:** Technology Application/Information Processing I and signed Acceptable Use Policy for Internet Use

Grade 9-12

*Advanced Technology Application/Information Processing II builds on the concepts of Advanced Technology Application/Information Processing I. Students develop an awareness and understanding of the application of information processing concepts, software and equipment to accomplish tasks typically performed in computer/office/business careers.*

*Instruction in this course focuses on building word processing skills, advanced exploration and utilization of spreadsheet (Microsoft Excel), database (FileMaker Pro), and presentation software (Microsoft PowerPoint). This course will be centered on performance based activities and the development of a project portfolio.*

***This course is required for graduation.***

## Business Computer Education Courses

### **\*\*Advanced Data Management**

1 Semester = 0.5 credit

#### **Prerequisite-Technology Applications I & II**

This course builds upon the spreadsheet and database skills obtained in *Technology Applications* and takes students to the next level. The primary focus of this course will be the advanced exploration and utilization of Microsoft Excel and Filemaker Pro. Integration of programs and creation of web documents also developed. This course will be centered around performance based activities and the development of a project portfolio. Both college-bound students and vocationally oriented students benefit from this course.

### **\*\*Advanced Microsoft Word**

1 Semester = 0.5 credit

#### **Prerequisite-Technology Applications I & II**

This course builds upon the keyboarding and word processing skills obtained in *Technology Applications* and takes students to the next level. The primary focus of the course will be the advanced exploration and utilization of Microsoft Word. Integration of programs and creation of web documents also developed. This course will be centered around performance based activities and the development of a project portfolio. Both college-bound students and vocationally oriented students benefit from this course.

### **Computer Graphics**

1 Semester = 0.50 credit

**Prerequisite: Technology Application/Information Processing II with a grade of C or above or instructor approval and signed Acceptable Use Policy for Internet Use**

Grade 10-12

This course covers digital image computer software, progressing from the beginning to the advanced level. Students learn techniques and features, with emphasis on composition and color, through a number of projects. Image scanning, manipulation, editing, repairing and color correction are also covered. This course also includes discussion of how graphic designers and photographers enhance their images. Students use Macintosh platform and digital cameras. This course presents an introduction to computers and their use in the field of advertising design.

### **Accounting I**

2 Semesters = 1 credit

Grade 10-12

Accounting is a fast-paced business education course designed to introduce the fundamentals and skills of double entry bookkeeping and to prepare students for entry-level positions involving bookkeeping skills. This course goes through three Accounting cycles: Sole Proprietorships, Partnerships, and Corporations. Topics include interpreting transactions for each type of business, journalizing transactions, posting from a General Journal to a General Ledger, posting from Special Journals to a General Ledger, creating a variety of Financial Reports from posted data, depreciation, bad debts, payroll, cash register, accrued expenses, notes, and interest. All units go through practice sets and some simulated projects are incorporated when possible. Basic math functions and logical thinking are necessary.

*You must be enrolled as a junior or senior and maintain a "B" average to be able to articulate Accounting I and Accounting II credits at Waubensee Community College.*

### **Accounting II**

2 Semesters = 1 credit

**Prerequisite: Accounting I**

Grade 11-12

Accounting II is a business education skill-level course that builds upon the foundation established in Accounting I. This course is planned to help students develop deeper knowledge of the principles of accounting with more emphasis being placed on financial statements and accounting records. Topics covered are departmentalized accounting, accounting control systems, general accounting adjustments, corporation accounting, management accounting, cost accounting, and a variety of other accounting systems. Students will develop a comprehensive understanding of the educational training, aptitudes and skills necessary for professional accounting careers.

*You must be enrolled as a junior or senior and maintain a "B" average to be able to articulate Accounting I and Accounting II credits at Waubensee Community College.*

## **Desktop Publishing**

*1 Semester = 0.50 credit*

**Prerequisite:** *Computer Graphics, Signed Acceptable Use Policy for Internet*

**Grade 10-12**

Students will design and create a wide range of print publications such as flyers, business cards, newsletters, brochures, and posters using the programs Adobe InDesign and PhotoShop. Digital cameras and the internet will be utilized throughout the course. Note: *This course is required for Yearbook and recommended Journalism classes.*

## **Multi-Media**

*1 Semester = 0.50 credit*

**Prerequisite:** *Computer Graphics, Signed Acceptable Use Policy for Internet*

**Grade 10-12**

This course is designed to teach basic multimedia concepts of computer-generated animation sequence from storyboard through two-dimensional rendering to final output. Students learn to combine images, illustrations, type and sound into animation by using PowerPoint, iMovie, Garage Band and Adobe Flash. Students shall obtain data for their projects using a digital camera, scanner, the World Wide Web, reference CD's as well as other sources.

## **Web Page Design**

*1 Semester = 0.50 credit*

**Prerequisite:** *Computer Graphics/Multi-Media, Signed Acceptable Use Policy for Internet*

**Grade 11-12**

Web Page Design is a one-semester advanced computer course offered to juniors and seniors. Good design principles will be stressed in this course. Utilizing these design principles, students will create web pages that include text, graphics, clip art, photos, frames, links, etc. Students will be introduced to different web page development software packages as well as Adobe PhotoShop. The primary project in this course will be for students to create, maintain, and upgrade web pages in the Plano District #88 web site.

## **Computer Maintenance**

*1 Semester = 0.50 credit*

**Prerequisite:** *2.0 credits in any PHS computer course, Signed Acceptable Use Policy for Internet*

**Grade 11-12**

Computer Maintenance teaches routine maintenance techniques for the microcomputer. They will be introduced to techniques for diagnosing and solving a variety of computer problems involving both hardware and software. They will install software as well as peripheral equipment. Students will practice their skills by helping troubleshoot computer problems as they arise throughout Plano District #88 schools. The work provides a valuable service to Plano District #88 schools while also being a great learning experience for the students themselves.

## **Computer Programming**

*1 Semester = 0.50 credit*

**Prerequisite:** *Computer Graphics, Signed Acceptable Use Policy for Internet*

**Grade 10-12**

Computer Programming is designed to be an introduction to the BASIC computer language. Variables, BASIC statements, logic, loops, nested loops, data files, and flowcharting are some of the topics included in the numerous programs students shall write during the semester. A unit on robotics will also be incorporated into this class. Students will construct robotic models and then write computer programs in the Lego Logo language to control their models. Other units studied in this course shall include the binary and hexadecimal numbering systems and logic gates.

## **Gaming**

*1 Semester = 0.50 credit*

**Prerequisite:** *Computer Programming*

**Grade 11-12**

*Students enrolled in this class will utilize a programming environment that allows students to learn basic computer science concepts while creating animated movies and simple video games. Students will control the behaviors of 3D objects and characters in a virtual world. The application used in this course will be Alice, an interactive interface developed at Carnegie Mellon University. Students will drag and drop graphic tile to create a program where the instructions correspond to standard statements in a production oriented programming language such as Java and C++.*

## Business Computer Education- Continued

### **Independent Computer Projects**

*1 Semester = 0.50 credit*

**Prerequisite:** *Instructor approval, Signed Acceptable Use Policy for Internet*

*Grade 11-12*

This is a one-semester course teaching advanced computer applications. A student may choose more in-depth study of topics introduced in previous computer courses. Both the college-bound and vocational-oriented student will benefit from this course.

**This class may be repeated.**

### **Coop. Work Training - Classroom**

*1 Semester = 0.50 credit*

**Prerequisite:** Application, Interview with Coordinating Teacher, enrolled in Coop. Work Experience during same semester  
*Grade 11-12*

Cooperative Work classroom phase is for students who desire work experience for vocational or career planning. The course emphasizes topics that will help students be successful in the work environment such as interpersonal, teamwork, and leadership skills. Other related skills include career awareness development and skills necessary to make viable career choices. *Student may be released at 2:00 p.m. to report to job site.* **This class may be repeated.**

### **Coop. Work Training – Experience**

*1 Semester = 0.50 credit*

**Prerequisite:** *Application, Interview with Coordinating Teacher, enrolled in Coop. Work Class during same semester*

*Grade 11-12*

Agreements between the student, employer, parent/guardian, and coordinating teacher will be made indicating requirements and expectations including Work Coop Code of Ethics and the Discipline Plan for the year. Job sites that coordinating teacher cannot gain access to for observation or that do not offer student hours during class time allowed, will not be allowed. If the student is terminated from employment or resigns from the position, he or she must inform the instructor and gain employment within two weeks. If employment is not gained within the 2-week time frame, student will receive a failing grade for the semester and not released from school during class time. *Student may be released at 2:00 p.m. to report to job site. Seniors who have completed the classroom portion of COOP in their junior year may be released at 1:15 p.m. with the approval of the coordinator.* **This class may be repeated.**

### **Sports and Entertainment Marketing**

*1 Semester = 0.50 credit*

*Grade 10-12*

This class will introduce students to the role of marketing in the sports and entertainment industry. The emphasis is on employing basic marketing concepts and strategies, which include target marketing, branding, new product development, market research pricing, promotion, and celebrity endorsements. It will emphasize marketing principles through exposure to professional sports teams, entertainment/businesses and high tech companies.

### **Consumer Economics**

*1 Semester = 0.50 credit*

*Grade 11*

This is a combined course to help the individual student develop personal efficiency as a consumer and to learn the best way to function within a highly competitive free-enterprise economic structure. Through an understanding of our economic system and a variety of problems and situations to analyze, the students will practice money management, marketing, smart shopping, personal living, and employment. **This course is required for graduation.**

### **Job Shadowing/Career Exploration Program**

1 Semester = 0.50 credit

**Prerequisite:** *Consent of the instructor*

Grade: 11-12

Designed to provide students who have not made a specific career choice on-the-job experiences that will help them with career exploration and employability skills. This program focuses on personal attitudes, self-esteem, work ethics and their relationship to personal life choices. Students are required to work study a specific career of choice and make a final **presentation to the board** about what they have learned. Students will be evaluated on the job as well as their own reports and will contract with an employer as to their expectations. **This class is for 11<sup>th</sup> and 12<sup>th</sup> graders who have their own transportation.**

### **\*\*Survey of the Fashion Industry**

1 Semester = 0.50 credit

**Grade 10 -12**

This course is designed for the student to explore and understand today's fashion industry. It provides students with the opportunity to study fashion history & cycles, designers, textiles, and basic design principles. Business topics include fashion buying, marketing, merchandising, and trend forecasting. We will also study careers in the fashion industry and what is needed to be successful in this field.

## **Family Consumer Sciences (FCS) Courses**

### **Clothing I**

1 Semester = 0.50 credit

Grade 9-12

This course will provide students with basic sewing skills that promote feelings of accomplishment and independence at the sewing machine. Individual projects will vary including pillows, p.j. pants, and craft projects. The Serger sewing machine is introduced and related fashion careers are discussed. Students will learn sewing techniques that will help them in the home or on the job. *Students should be prepared to purchase supplies and fabric.*

### **Clothing II**

1 Semester = 0.50 credit

**Prerequisite:** *Clothing I*

Grade 9-12

Students will learn about fashion history, fashion styles, wardrobe planning and care, alterations of ready-made garments, and textiles. Clothing occupations in the fashion industry will be emphasized. Students will use knowledge and skills from Clothing I to learn advanced sewing techniques. Sewing projects will be individualized based on experience and skill. Projects will include garments with a zipper, collar, facing or waistband. *Students should be prepared to purchase fabric and supplies.*

### **Clothing Independent Study**

1 Semester = 0.50 credit

**Prerequisite:** *Clothing I and Clothing II*

Grade 10-12

Clothing Independent Study is designed to give students the opportunity to further expand sewing skills and develop new techniques. Arrangements and independent study contracts are to be drawn up between the student and instructor to show construction plans for three challenging projects.

## Family Consumer Science -Continued

### **Foods I**

*1 Semester = 0.50 credit*

*Grade 9-12*

This course includes classroom and laboratory experiences needed to develop knowledge and understanding of basic food principles and good nutrition. Areas of study will include safety and sanitation, fruits, vegetables, salads, microwave foods, quick breads, eggs, nutrition and careers. The basic techniques and principles may be easily applied in future situation either in a home or in a food service-related career.

### **Foods II**

*1 Semester = 0.50 credit*

**Prerequisite: Foods I**

*Grade 9-12*

This course requires the knowledge and skills obtained from the previous food course. Planning for special food needs, safety of foods, food purchasing and preventing food borne illnesses will be included. Students will attain skills in advanced food preparation, meal planning, food purchasing, time management, pies and pastry, yeast breads, casseroles, meats, fish, poultry, production baking, and foreign foods. This course will provide skills and knowledge necessary to successfully work in a kitchen and will teach food service employees how to be competent at their work.

### **Foods III**

*1 Semester = 0.50 credit*

**Prerequisite: Foods I and Foods II**

*Grade 10-12*

This course will use knowledge and skills to expand food preparation skills and will explore meal planning and different dietary and health issues related to food. Time and money management skills will be strengthened. Labs will include cake decoration, meat preparation, presentation of foods, garnishing, pastries, pastas, grains, and breads. Foreign food meal planning is also addressed. Appropriate work behavior is stressed.

### **Independent Foods Study**

*1 Semester = 0.50 credit*

**Prerequisite: Foods III**

*Grade 12*

Independent Foods is designed for the student who definitely desires to have a career in the food industry. They will contract with the teacher as to what will be accomplished. Studies will include 2 field trips/interviews within the industry, 2 career reports, trial recipes, and at the end of the semester a 4-course meal for 6 guests.

### **Child Development**

*1 Semester = 0.50 credit*

*Grade 9-12*

This course emphasizes learning experiences which help students gain knowledge and understanding of parenting and children. Studies will include learning about intellectual, physical, social emotional development of children from conception through early childhood. The course content also centers around the following areas: responsibilities of parenthood, human development, the prenatal period, fetal development and growth, labor and delivery. The students are taught to encourage acceptance of people from a variety of backgrounds and how to provide developmentally appropriate experiences for children to learn. A variety of developmental theories will also be looked at as children grow.

## Family Consumer Science- Continued

### **Early Childhood Occupations**

*1 Semester = 0.50 credit*

*Grade 10-12*

This course is designed to provide students interested in a career in Early Childhood Occupations with information and practical experiences needed for development of job-related competencies. Students are provided laboratory experiences in our Tots and Teens preschool. Students will be expected to develop appropriate skills in program development and in assisting with children's developmentally appropriate activities. Emphasis is placed on the identification and application of positive guidance methods and techniques in developing your children's potential. Classroom student is concerned with the philosophy and management of children and child care centers. Recording and objectively interpreting children's behavior through observation is also covered.

### **Advanced Early Childhood Occupations**

*1 Semester = 0.50 credit*

**Prerequisite:** *Early Childhood Occupations*

*Grade 11-12*

Students who would like to continue in the Early Childhood field will be advancing their skills in the management of the Tots and Teens Preschool. They will have the opportunity to learn more about children developmentally while developing their own personal portfolio. Students will be expected to develop skills in preschool management, curriculum development, and will assist the preschoolers and beginning Early Childhood Occupation students with skills needed. *This class will provide the 2<sup>nd</sup> semester needed to apply for Waubensee Community College Early Childhood credits.*

### **Early Childhood Directed Study**

*1 Semester = 0.50 credit*

**Prerequisite:** *Early Childhood Occupations*

*Grade 11-12*

This is a directed study program designed for students interested in pursuing careers in child care related occupations who have completed major course work in the field at their high school and/or vocational center. Students enrolled in this program have the opportunity to participate in advanced learning and experiences provided through private or public sector internships or community college work supported by the local school district. Any transportation required is the responsibility of the student.

### **Early Childhood Occupations Internships**

*1 Semester = 0.50 credit*

**Prerequisite:** *Early Childhood Occupations & Advanced Early Childhood Occupations*

*Grade 12*

This level is for the student who has a desire to pursue a career on working with children. They will continue their work in Tots and Teens Preschool by taking over the director responsibilities, and will be expected to observe other schools and ages of children. These students will also have the opportunity to work with special needs. An excellent class for those looking at the teaching field.

### **Peer Leadership**

*1 Semester = 0.50 credit*

**Prerequisite:** *Application for approval*

**Grade 10-12**

This course is designed for students interested in helping people. The course work will help increase proficiency and awareness in a variety of collaborative skills such as communication, listening, feedback, and conflict resolution. *Students in this program must submit an application for approval to the teacher and understand that self-discipline, responsibility, and good judgments are essential prerequisites for this course.* Once trained, the students will be active in school mediations and in a variety of community and county volunteer situations. Service hours are required for this course.

**Service Learning**

1 Semester = 0.50 credit

**Prerequisite: Peer Leadership**

Grade 10-12

This class may be repeated.

This course is available to students that are interested in service for others. Opportunities as a tutor, Big Brother/Sister, and teacher assistants are possibilities within the district. Community needs are dependent on those interested in using student volunteers. This class makes a great impression and looks good on resumes, college and scholarship applications.

**Entrepreneurs**

1 Semester = 0.50 credit

Grade 11-12

This class will be exploring what it means to have entrepreneur skills and how to use them effectively in the business world. Students will learn about economics and good decision-making skills. This is a project-oriented class where businesses will be created and all aspects of running a business will be discussed. Becoming self-employed, running your own company, or managing a company will be some career areas discussed.

**Interior & Home Design**

*Offered on odd years on a rotating yearly basis with "Family Issues"*

1 Semester = 0.50 credit

Grade 10-12

This course is designed to explore the world of color, line and design. Areas of concentration include principle and elements of design, scaled floor plans, space panning, traffic flow, trends in decorating, and financial budgets. Course may include the study of architectural styles and home construction. Career will also be explored.

**Family Issues**

1 Semester = 0.50 credit

*Offered on even years on a rotating yearly basis with "Home Design"*

Grade: 11-12

This course explores topics relevant to families and human services. Units include personality and self-esteem, wellness, and threats to wellness, communication, decision-making, relationships, marriage, parenting and related issues. Class time includes discussions, group activities, videos, speakers and a mock wedding.

**\*\*Survey of the Fashion Industry**

1 Semester = 0.50 credit

**Grade 10 -12**

This course is designed for the student to explore and understand today's fashion industry. It provides students with the opportunity to study fashion history & cycles, designers, textiles, and basic design principles. Business topics include fashion buying, marketing, merchandising, and trend forecasting. We will also study careers in the fashion industry and what is needed to be successful in this field.

### **Single Survival**

*1 Semester = 0.50 credit*

**Prerequisite:** *Senior, no prior Foods courses*

*Grade 12*

This class would be open to seniors who have never taken a Foods class. It would prepare them for living on their own. Students would learn meal planning, shopping for food, good nutrition, and using the tools of the trade. Labs would include Breakfast, Lunch, and Dinner recipes that are easy, delicious, nutritious and cost effective. Students will also learn about planning for different occasions and proper etiquette.

### **Individual Consumer Economics**

*1 Semester = 0.50 credit*

**Prerequisite:** *Must have IEP*

*Grade 11*

This course covers topics to help the student become an informed consumer including banking, credit, housing, income tax, insurance, advertising and shopping. Effort, ability and individual differences are always taken into consideration when determining grades.

## **Industrial Technology**

### **Introduction to Industrial Tech Prep**

*1 or 2 Semesters = 0.50 - 1.0 credit*

**Grade 9-12**

This is an introductory course to technology for the students of Plano High School. This course is a modular class that revolves around the Paxton Patterson Action Lab stations. While the students go through up to 16 different modules, they learn the basics of technology through its simple principles and unites. The class is full of enjoyable activities through a hands-on approach that allows users to fully understand its information.

### **Advanced Industrial Technology**

*2 Semesters = 1.0 credit*

*Grade 10-12*

**Prerequisite:** *2 Semesters of Introduction to Industrial Tech Prep*

*This is an advanced technology course for students that wish to pursue technology. Students will access an open-ended, real-world design problem and use brainstorming tips, teamwork strategies, research links and media to solve problems. The course is a modular class that revolves around new Paxton Patterson Lab stations. In different Integrated Instructional Units (IIU), students work in teams to explore and create a final project. The class is full of enjoyable activities through a hands-on approach that allows its users to fully understand it information.*

### **Architectural Drafting**

*1 Semester = 0.50 credit*

**Prerequisite:** *introduction to Tech Prep and Advanced Industrial Technology*

**Grades 10-12**

*This course is for students with an interest in pursuing a career in Architecture. Throughout the course students cover general architectural techniques, history of architecture, home styles, construction methods, planning and drafting layouts, and perspective drawings. They will have the opportunity of becoming an Architect and creating a house from their clients' description. They will use various drafting tools and techniques from traditional to CAD (Computer Aided Drafting) techniques to produce a set of residential drawings. The main objective of this class is to learn the fundamentals of Architecture through correct instruction, guidance and practice to become a chief architect.*

## Miscellaneous Courses

### **Freshman Academy**

2 Semesters = 1 credit

Grade 9

Freshman Academy is designed to assist students in developing the skills they need in order to be successful in high school and beyond. The primary focus of this course involves building foundational study skills (as well as basic English and math skills). More specifically, Freshman Academy will focus on organization, time management, note-taking, test preparation, and other related topics. An emphasis will also be placed on guiding each student as they plan for their academic future. Students will be encouraged to apply the skills and strategies they learn in Freshman Academy in their other classes at PHS. ***This course is a freshman requirement.***

### **Honors Freshman Academy**

2 Semesters = 1 credit

***Prerequisite: Must be enrolled in at least two (2) additional Honors classes***

Grade 9

Honors Freshman Academy is a **weighted** course that is designed to assist honors students in developing the skills they need in order to be successful in high school and ultimately college. The primary focus of this course involves building foundational study skills (as well as basic English and math skills). More specifically, Freshman Academy will focus on organization, time management, note-taking, test preparation, and other related topics. An emphasis will also be placed on guiding each student as they plan for their academic future. Students will be encouraged to apply the skills and strategies they learn in Freshman Academy in their other classes at PHS. Honors Freshman Academy will progress at an accelerated rate and cover higher-level topics compared to the traditional Freshman Academy class. ***This course is a freshman requirement in place of Freshman Academy.***

### **Yearbook Production**

2 Semesters = 1 credit

***Prerequisite: Desktop publishing (previously taken or current enrollment), concurrent enrollment in "Journalism" class, and teacher approval***

Grade 11-12

Students will produce the school yearbook, the *Silhouette*. Tasks include layout/design of pages, photography, advertising, and yearbook sales. Students will be expected to attend some extra-curricular events for photograph and reporting on those events. Students may also need to devote extra time outside of class to finish production at the end of the school year. **This class may be repeated.**

### **Student Aide**

1 Semester = 0.50 credit

***Prerequisite: Counselor/Administration/Teacher approval***

Grade 11-12

Staff may request approved students to assist a classroom or program. Students will not be able to have this option if core requirements cannot be met in current schedule. Aides may be reassigned at the discretion of faculty. **This class may be repeated.**

### **WCC Class Option**

1 Semester = 0.50 credit

***Prerequisite: Must be eligible to graduate***

Grade 12

Class for seniors that wish to take college level course through Waubensee Community College. Will not count towards GPA. **Students will receive dual credit for the course.**

## ESL

### English as Second Language

#### **\*\*ESL I**

2 Semesters = 1 credit

**Prerequisite:** *W-APT/ACCESS scores and teacher recommendation*

Grade 9-12

*This course covers the fundamentals of the 4 domains of the English language: reading, writing, listening, and speaking. It is appropriate for newcomers to the United States, as well as for any students who have extreme difficulty with 1 or more of the 4 domains. **This class fulfills an English requirement, and may be repeated.***

#### **\*\*ESL II**

2 Semesters = 1 credit

**Prerequisite:** *W-APT/ACCESS scores and teacher recommendation*

Grade 9-12

*This course builds on the fundamentals of English and cultivates students' intermediate English skills. There is an intense focus on reading, writing, and listening, and speaking skills. The class may address students' speaking skills if there is a need. **This class fulfills an English requirement, and may be repeated.***

#### **\*\*ESL III**

2 Semesters = 1 credit

**Prerequisite:** *W-APT/ACCESS scores and teacher recommendation*

Grade 9-12

*This course expands on students' intermediate English skills within the 4 domains. There is more of a focus on analysis, synthesis, and critical thinking skills. Students are prepped for ACT level vocabulary. **This class fulfills an English requirement, and may be repeated.***

#### **\*\*ESL IV**

2 Semesters = 1 credit

**Prerequisite:** *W-APT/ACCESS scores and teacher recommendation*

Grade 9-12

*This course continues to reinforce the skills taught in ESL III: analysis, synthesis, and critical thinking, as well as, ACT vocabulary preparation. Students focus on preparing for graduation, college, and careers and/or for entering a mainstream English classroom. **This class fulfills an English requirement, and may be repeated.***

#### **\*\*ESL Resource**

2 Semester = 1 credit

**Prerequisite:** *W-APT/ACCESS scores and teacher recommendation, Concurrent enrollment in ESL I-IV*

Grade 9-12

*This course has two functions:*

- 1) *To provide reinforcement in the 4 domains (reading, writing, listening and speaking) for those students who have exited the ESL Program and are receiving general education instruction.*
- 2) *To provide content instruction for students who are currently in the ESL Program (especially newcomers) in addition to the instruction they are receiving in their classes. This class does not have an English curriculum; students bring homework/work from their classes that they need individual help interpreting. **This class will count as an elective credit, and may be repeated.***

## Indian Valley Vocational Center

### **Auto Body Repair**

*2 Semesters = 4.0 credits*

**See Priority Rating on Page 10**

*Grade 11-12*

A comprehensive program of collision repair and automotive paint refinishing. Safety practices and safety equipment, as well as EPA standards, will also be addressed and followed. First year students will get a basic knowledge of collision repair and refinishing procedures. Second year students will get advanced training on frame and structural repair.

### **Automotive Technology**

*2 Semesters = 4.0 credits*

**See Priority Rating on Page 10**

*Grade 11-12*

All students study routine automotive repair and maintenance fundamentals. This is accomplished by textbook study, lecture and homework before practical experience in the shop. Safety practices and industry standards will be stressed. Second year students will continue by learning more advanced techniques and diagnostic procedures through weekly textbook and homework assignments, and hands-on shop experience.

### **Building Trades**

*2 Semesters = 4.0 credits*

**See Priority Rating on Page 10**

*Grade 11-12*

This program offers a 95% hands-on experience in all phases of residential construction. Once all safety procedures have been completed, students will be briefed on current building codes, span charts, blueprint reading, and estimating/scheduling. The students will spend the remainder of the year at our off-campus jobsite, constructing a house from start to finish. Areas of study will include concrete, carpentry, framing, roofing, siding and exterior trim, plumbing, HVAC, drywall and interior trim. In addition to using conventional lumber and understanding all its characteristics, they will also learn about and/or use composite material, engineered lumber and connectors. Second year students, after meeting the required criteria, are given the opportunity to obtain an internship, receiving wages from an employer while gaining experience in a trade of choice that pertains to construction.

### **Computer Technology**

*2 Semesters = 4.0 credits*

**See Priority Rating on Page 10**

*Grade 11-12*

State-of-the-art program in computer maintenance and installation. Students work with hardware and software in a "real world" environment to maintain PCs and printers at IVVC. They also do maintenance work for other schools. New computer setup, purchase and evaluation are also a part of the course. Second year students explore wire & wireless networks. A+ certification is possible after first year.

### **Cosmetology**

*2 Semesters = 4.0 credits*

**See Priority Rating on Page 10**

*Grade 11-12*

A 1,500-hour program contracted through Hair Professionals Career College, offered at their Sycamore or Oswego site or Debutantes School of Cosmetology & Nail Technology in DeKalb. Those who complete the program will have earned 1,000 hours toward the state licensing requirements for hairdressers during the two year program. Course meets during evening and weekend hours and students are dismissed for either afternoon or morning classes consistent each day.

## Indian Valley Vocational Center IVVC- Continued

### **Culinary Arts**

*2 Semesters = 4.0 credits*

**See Priority Rating on Page 10**

**Grade 11-12**

Developed by the National Restaurant Association Educational Foundation, the Pro-Start program is a two-year curriculum designed to teach high school students the management skills needed for a career in the restaurant and food service industry. ProStart students have the opportunity to earn industry-approved, nationally recognized certificate, guaranteeing them a minimum \$2,000 scholarship and access to college articulation agreements. To earn the ProStart certification, students must complete the following program components: 360 hours of classroom instruction covering hospitality business and food preparation; 400 hours mentored internship, in front and back of house positions; workplace competency checklist, demonstrating industry knowledge and skills; successfully pass year one and two national ProStart Examination.

### **Drafting & Design**

*2 Semesters = 4.0 credits*

**See Priority Rating on Page 10**

**Grade 11-12**

Look around. Most everything you see—from the cell phone you use to the car you drive to the buildings you walk through—has to be designed. Design is an important step in the process from idea to reality, and students in this class learn to use creativity, problem solving, and technical skill to make that step happen. Students will experience hands-on projects in the fields of architecture, engineering, interior design, product design, mechanical design, computer-aided drafting (CAD) and surveying/civil engineering. First semester, students will gain experience and knowledge in the design areas mentioned above, and second semester each student will choose one or two of those areas for more in depth study. Some of our popular hands-on projects include popsicle stick bridges, H<sub>2</sub>O rockets, marble roller coasters, CO<sub>2</sub> dragsters, and Mythbuster Mondays. Similar to the popular TV show, Mythbuster Mondays give students a chance to brainstorm, build, and test ideas. First year students learn the fundamentals on the drafting board and progress to beginning computer-aided drafting (CAD). Second year students learn advanced CAD. Completion of the course provides the possibility of up to 11 semester hours of credit at Waubonsee Community College

### **Early Childhood Development**

*2 Semesters = 4.0 credits*

**See Priority Rating on Page 10**

**Grade 11-12**

The Early Childhood Development program offers a comprehensive study of child development by exposure to hands-on lab experiences through the Carole V. Nolan Preschool. First year students gain knowledge through theory and observation learning to guide young children through in their behavior and development. Second year students will have the opportunity to evaluate and meet the needs of specific children through in-depth curriculum planning and implementation, as well as learning the state regulations for day care centers as established by the Department of Children and Family Services.

## Indian Valley Vocational Center IVVC- Continued

### **Fire Science**

*2 Semesters = 4.0 credits*

**See Priority Rating on Page 10**

**Grade 11-12**

**First year student - Basic Operations Firefighter.** This course is a study of techniques used in fire fighting. This course covers the subjects required by the Office of the State Fire Marshal for certification at the Basic Operations Firefighter level. This course also incorporates a fire department atmosphere into the training. The student's daily routine includes proper uniform, apparatus and PPE checks and station cleaning. Students will take part in classroom lectures, demonstrations, hands on practice on individual skills, training responses that incorporate these individual skills into fire ground evolutions through the use of various props and structures. Students will also complete a project on Pride, Honor and Tradition or complete a Line of Duty Death project. This program emphasizes the knowledge, individual skills and teamwork skills necessary for entry-level personnel to become functioning members of a fire company. This program also covers Technical Rescue Awareness, Fire Service Vehicle Operator, Hazardous Materials Awareness, Hazardous Material Operations and Courage to be Safe. First year students will also become CPR certified.

**Second year students—Advanced Technician Firefighter.** Second year students begin the year working on all the required course work to obtain their Advanced Technician Firefighter certification. This class is designed for the experienced firefighter. Some of the hands-on skills include R.I.T. evolutions, radio communication drills, forcible entry, ventilation, and assisting Technical Rescue Teams. Students will also complete the Vehicle Machinery Operations class. VMO teaches students how to deal with various auto accident incidents. Extensive hands-on tool time is give to the students to work with various tools and techniques to per-form auto extrication. Students will be trained in Fire Apparatus Engineer. This portion of the year teaches students the knowledge and skills needed to perform pump operations at a fire scene. Second year students finish the year completing Emergency Medical Technician Basic. This portion will teach the students patient care in both traumatic and emergent medical care situations, as well as the use of medical equipment and materials. After the EMT-B portion is completed, it will ready the student to challenge the State and/or National Registry tests for EMT-Basic Licensure. Both classes are offered at the Sandwich Fire Station.

### **Graphic Communications**

*2 Semesters = 4.0 credits*

**See Priority Rating on Page 10**

**Grade 11-12**

Become part of the next generation of digital design! The world is full of images and words and Graphics **IS** that world. Students will study foundation software and design skills and be introduced to careers in art and design. Learn what it takes to design an awesome t-shirt and how to make a poster pop. Make your own logo and print it on notepads, stationery, and business cards. Design a product label and work with a professional photographer on a photo shoot to produce an original magazine ad. Be a digital photographer. Learn how to take portraits, make an iMovie or shoot a video for You Tube. Learn how to use state of the art software (Illustrator, InDesign and Photoshop) to turn your creative ideas into a reality. Field trips will introduce you to animation, web design, entertainment staging, college life, marketing, printing and more. Art or computer experience is helpful, but not a requirement to be successful in the amazing world of Graphic Communications.

## Indian Valley Vocational Center IVVC- Continued

### **Health Occupations- Exploring Medical Careers**

*2 Semesters = 4.0 credits*

**See Priority Rating on Page 10**

**Grade 11-12**

Do you want a career in the medical field? Do you want to learn more about what careers are available? This course is for junior and senior students who are interested in exploring medical careers in an applied life science skill format. The curriculum provides hands-on learning opportunities involving body systems and medical careers. Students will learn basic medical procedures associated with the health profession, including performing vital signs, injections and blood draws on a training arm. Students will also be able to job shadow at local medical facilities to see what a career in the medical field really entails. Want to know what esophagogastroduodenoscopy means? You will learn that and many more medical terminology words that are necessary to continue in the medical field. The students will obtain their CPR certification, along with basic first aid training.

### **Health Occupations- CNA**

*2 Semesters = 4.0 credits*

**See Priority Rating on Page 10**

**Grade 12**

This course is for **SENIORS ONLY** who are interested in becoming Certified Nurse Assistants. The student must have passed a biology or bio-med class at the home school with a minimum grade of C and must have a good attendance record. The Exploring Medical Careers class is not a prerequisite for this class; however, approval from IVVC and the home school may be required. This course follows the guidelines of the Illinois Department of Public Health to achieve a certificate as a Certified Nurse Assistant. A fingerprint criminal background check is required.

### **HOSPITALITY MANAGEMENT**

*2 Semesters = 4.0 credits*

**See Priority Rating on Page 10**

**Grade 11-12**

This course encompasses all facets of hotel management and the hospitality industry. Areas of study include facilities management, finance, food services, building security, housekeeping, marketing and tourism, event planning, and the legal aspects of the hospitality industry. In addition to classroom information and discussion, students will gain hands-on experience at Timber Creek Inn & Suites, located near IVVC in Sandwich.

### **Law Enforcement**

*2 Semesters = 4.0 credits*

**See Priority Rating on Page 10**

**Grade 11-12**

This course is designed for the student who is contemplating a career in law enforcement. The curriculum follows the certified Illinois State Police Basic Training used by all the Illinois Police Academies. All students may be required to submit to random drug testing and a background check in order to be involved with any "hands-on" activities. Students with a criminal history should not enroll. First year students will be studying criminal law, vehicle code, and case law in the first semester and learning how to investigate crimes, process a crime scene, and execute arrests in the second semester. Students will engage in dynamic scenario-based training, defensive tactics, officer safety skills, firearm safety and simulators using air soft and paintball activities. At the conclusion of the first year, students will be able to correctly investigate a crime, make an arrest, complete booking and arrest report, and testify in court. Sec-ond year students will be leading class discussions, composing research projects, assuming a supervisory role with first year students, and actively training in Jiu Jitsu, Judo, and karate, as well as competing in weekly training scenarios using air soft. Guest speakers include Secret Service, FBI, DEA, SWAT and field trips may include jails, police academies, mili-tary facilities, and police departments. The instructor is a current police officer and state certified firearm and air soft instructor.

**Indian Valley Vocational Center  
IVVC- Continued**

**Sports Management/Sports Medicine**

*2 Semesters = 4.0 credits*

**See Priority Rating on Page 10**

**Grade 11-12**

This course will introduce the student to the professions within the sports medicine and sports management industries, such as Athletic Training, Coaching, Physical therapy, Personal Training and Massage Therapy. Sports Medicine I will focus on the anatomy of the skeletal and muscular systems, injuries, rehabilitation protocols, as well as taping and wrapping techniques. Sports Management I introduces students to a variety of careers in sports, including but not limited to, the fitness industry, coaching, facilities planning, sports marketing and sports journalism. A requirement of all first year students is to perform, fifteen hours of professional job shadowing outside of class time. Second year students meeting all prerequisites have the opportunity to participate in internships with local businesses. This course offers necessary skills required to enter many post-secondary educational programs.

**Welding & Fabrication**

*2 Semesters = 4.0 credits*

**See Priority Rating on Page 10**

**Grade 11-12**

This course is designed for students who are ready to challenge themselves and become the welders and metal fabricators of tomorrow. Various welding and cutting processes are taught throughout the year and students will demonstrate these skills through hands-on activities in the shop. Several class projects, both individual and group, are done throughout each quarter, which coincide with class lectures. Personal projects are welcomed once students have finished their assigned welding tasks. Production strategies and lean manufacturing skills are demonstrated, giving the students a taste of the real world and what makes a successful business. First year students are challenged in flat and horizontal welding positions while second year students learn how to weld in the vertical and overhead positions. Employability, which emphasizes their professional conduct, is a significant portion of the student's grade.