

Kaneland High School D302

Course Offering & Description Book

2026-2027

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General Information and Student Services.....	2	Mathematics	31
Kaneland Student Services Mission Statement....	2	Required Classes.....	32
Graduation Requirements	2	Mathematics Electives	35
Class Selection Policy.....	3	Science	38
Grading.....	3	Biology	39
Class Rank.....	5	Chemistry	40
Academic Recognition	5	Environmental Science	41
Core Values Recognition	5	Physics	41
Schedule Change Criteria	5	Science Electives.....	43
Transfer Students	5	Social Studies.....	47
Early Graduation.....	6	Human Geography.....	48
Commencement Ceremonies	6	U.S History	48
Course Retake.....	6	Government	49
Credit Recovery.....	6	Social Studies Electives	50
KHS Summer School	6	Special Education	53
Correspondence and Online Courses	6	Levels of support	53
Community College Classes	7	Courses	54
Advanced Placement (AP)	7	World Languages	59
Dual Credit.....	7	French	60
Articulated Credit	7	Spanish.....	61
Illinois State Seal of Biliteracy & Commendation toward Biliteracy.....	8	Career and Technical Education (CTE)	63
NCAA Student Athlete Registration	8	Legend for Course Information	63
NAIA Eligibility Center	8	Course Clusters and Pathways	64
Driver Education, Health, and Physical Education	9	Agriculture, Food and Natural Resources	65
Driver Education	9	Agribusiness Pathway	66
Health.....	9	Plant Systems Pathway	66
Physical Education	10	Animal Systems Pathway	68
Physical Education Exemption Policy	12	Work-Based Learning.....	68
Fine Arts	13	Human and Public Services.....	69
Art.....	15	Education Pathway	70
Music	18	Foods, Nutrition, and Wellness Pathway	70
Band.....	18	Finance and Business Services	72
Choir	20	Marketing Pathway.....	73
Music Theory.....	21	Entrepreneurship and Business Management Pathway	74
Theatre.....	22	Accounting Pathway	74
Language Arts	23	Economics.....	75
Communication Skills.....	24	Information Technology.....	76
English	24	Computer Science Pathway	76
Freshman English Requirement	24	Arts & Communications	78
Sophomore English Requirement	25	Graphic Communications Pathway.....	78
Junior English Requirement	25	Manufacturing, Engineering, Technology and Trades ..	81
Senior English Requirement	26	Engineering Pathway.....	81
English Electives.....	28	Architecture and Construction Pathway	82
Journalism	29	Work-Based Learning.....	83
English Language Learners	30	Independent Studies	85
		Internship & Assistantship.....	85
		Fox Valley Career Center	86

General Information and Student Services

Kaneland Student Services Mission Statement

The mission of the Kaneland High School Student Services Department is aligned with the Kaneland Community Unit School District #302 mission to help all students learn the skills, acquire the knowledge, and develop the behaviors necessary for them to be college, career and community ready. Student Services work as collaborative partners with parents, teachers, administrators, and the community to promote positive contributors to society.

Students & Parents

We encourage all students to take advantage of the many opportunities available through our curriculum. High school is the time to receive a solid academic foundation and a time to explore different subject areas. The final responsibility for making these decisions rests with the students and their parents.

As you plan your academic program, we encourage you to read this Course Description Booklet carefully and follow the guidelines on other registration materials. As you make your plans, be sure to consider not only the courses you wish to take next year, but also those classes that will meet your goals over the four years of high school. As you make your course selections, keep these questions in mind:

- Have I met the prerequisites for my proposed class?
- What courses do I need to meet my high school graduation requirement?
- Have I met the admissions requirement for the college/university that I would like to attend?
- Have I met the admissions requirements for the program of study that I would like to study at the college/university? example: pre-med requirements, engineering requirements.
- What are my interests, strengths, and weaknesses?
- What elective classes will broaden my experiences?
- What career alternatives am I considering?

The content of this Course Description Book is subject to change due to enrollment or other factors. With that in mind, we remind you that course availability will be determined based on YOUR schedule selections during registration. Schedule changes are not allowed after registration without meeting specific criteria (see *Schedule Changes Criteria*).

..... Use this as a rough outline to help you plan: [4-year plan](#)

Graduation Requirements

To graduate from Kaneland High School, a student must successfully complete the following credit requirements:

Courses for Graduation - 22 Required Credits

English	4.0 Credits	Physical Education	3.0 Credits
Communication Studies	0.5 Credit	Health	0.5 Credit
Mathematics	3.0 Credits	Driver Education*	0.5 Credit
Life Science	1.0 Credit	Personal Finance	0.5 Credit
Physical Science	1.0 Credit	Orientation Level Career Tech Education Course	0.5 Credit
Human Geography	1.0 Credit	World Language, Fine Arts, or Career Tech Ed	1.0 Credit
U.S. History	1.0 Credit	Additional courses	4.0 Credits
Government	0.5 Credit		

1.0 credit = one class period course for a full year; 0.5 credit = one class period course for a semester

Students should take one core class each year until they have met the graduation requirements in that subject area.

Every effort is made for schedules to reflect only one PE class at a time, except those who are in Health during the same semester as Driver Education or PE. Credits towards graduation may be adjusted if the student takes a PE waiver.

**If Driver Education is taken from a provider other than Kaneland High School, students must provide a certificate of passing as evidence. They will receive an "S" denoting that they have completed the graduation requirement.*

Class Selection Policy

Students are enrolled in nine (9) periods each semester. It is not the policy of Kaneland High School to reduce course load to less than nine (9) periods. The focus of the Kaneland High School Administration and Staff is to encourage a rigorous curriculum and to graduate all students college, career, and community ready. Students may petition administration in writing to reduce course load to less than nine (9) periods. The following criteria will be used:

1. Students are on track for graduation and are ready to meet our mission statement
2. Counselors are able to schedule the student's classes consecutively
3. Parent/guardian permission
4. Approval of administration
5. Provide own transportation

Study Hall

To stay on track for 22 required graduation credits, students are permitted to take no more than one study hall per semester. There is no credit earned for a study hall.

Early Release and Late Start (Senior only option)

Seniors are eligible to petition for either a one-period early release or a late start. Students may be granted only one option and may not receive both. Approval for an early release requires that the student hold verifiable employment; documentation of such employment must be provided before the start of the school year. Students approved for an early release or late start are not permitted to enroll in a study hall; those who choose to take a study hall will not be eligible for early release or late start privileges. It is encouraged for seniors seeking early release to consider Workplace Learning for the purpose of obtaining multiple-period early release and to fulfill the graduation requirement of Personal Finance.

Athletes and Course Load

All students who are/will be participating in an IHSA sport must take six classes each semester, per IHSA recommendation.

Grading

Each course syllabus will describe the evidence and manner by which a grade is determined. A letter grade will be assigned at the end of each course. Letter grades for traditional courses are based upon the following grading scale:

Grading Scale

PERCENTAGE	GRADE
100-93	A
92-90	A-
89-87	B+
86-83	B
82-80	B-
79-77	C+
76-73	C
72-70	C-
69-67	D+
66-63	D
62-60	D-
Below 60	F

Grading

Grades are established using three primary types of assignments (summative assessments, formative assessments, and final exams), and are calculated using the following values:

Summative Assessments = 70% of semester grade
 Formative Assessments = 20% of semester grade
 Final Exam = 10% of semester grade

Final Exams

Every class will administer a final exam during the last week of the semester and will be worth 10% of the semester grade.

Pass/Fail

Students shall be allowed to select one (1) elective course during their 11th or 12th grade year on a pass/fail basis. Such a course shall be selected **ONLY** from elective offerings and may be either a semester or full year course. Students must complete a pass/fail form and submit it to the Student Services office **within the first 15 school days of the course**. Grades from pass/fail course work will appear on the transcript with designation. Grades from pass/fail courses will **NOT** affect a student's GPA, but credit earned will count towards graduation. Students may remove the pass/fail from a course before the end of first semester for a full year course. Once a pass/fail is removed, it is removed for the remainder of the year. Once you remove the pass/fail, you may not request another pass/fail class.

Incomplete Grades

An incomplete semester grade (designated by an I on the report card) must be made up within two weeks of the end of the grading period. It is the student's responsibility to make arrangements with the teacher to complete the work by the two-week deadline. If the work is not complete within the time limit, the current grade will be recorded. Exceptions may be made in cases of extenuating circumstances by administration.

Weighted Grading Scale

Grade points for AP and Dual Credit courses at Kaneland High School will be weighted, and students will receive a weighted GPA calculated by the following grade point scales. (Honor roll will be calculated on a 4.0 weighted scale.)

GRADE	Standard Scale	Weighted Scale
A	4.0	5.0
A-	3.7	4.7
B+	3.3	4.3
B	3.0	4.0
B-	2.7	3.7
C+	2.3	3.3
C	2.0	3.0
C-	1.7	2.7
D+	1.3	2.3
D	1.0	2.0
D-	0.7	1.7
F	0	0

Weighted Courses at KHS

The following courses will receive weighted grade points:

AP Art	AP Statistics
AP Biology	AP US History
AP Calculus AB	Algebra 1 Honors
AP Calculus BC	Algebra 2 Honors
AP Chemistry	English 9 Honors
AP Computer Science A	English 10 Honors
AP English Language & Composition	Food Science Honors
AP English Literature & Composition	Geometry Honors
AP Environmental Science	Journalism 2 Honors
AP French	Journalism 3 Honors
AP Government & Politics	Madrigals/Chamber Choir Honors
AP Human Geography	Music Theory 2 Honors
AP Microeconomics	Spanish 4 Honors
AP Physics 1	Advanced Graphic Communications
AP Physics 2	Dual Credit College Mathematics
AP Psychology	Dual Credit First-Year Composition
AP Spanish Language & Culture	Dual Credit Theatre Appreciation

Class Rank

Class rank will be calculated after the conclusion of each semester. A student may request their class rank by contacting their counselor.

Academic Recognition

Students at Kaneland High School will be recognized as a **Knight of Distinction** based on their seventh semester grade point average:

- Summa Cum Laude (with highest honor): GPA of 4.1 or higher
- Magna Cum Laude (with great honor): GPA of 4.0-4.09
- Cum Laude (with honor): GPA of 3.9-3.99

An award will also be given to the Valedictorian and Salutatorian.

Core Values Recognition

As Kaneland Knights we hold true to our five Core Values:

- Citizenship
- Integrity
- Responsibility
- Respect
- Commitment to Excellence

One senior student will be recognized in each category for their ability to exemplify these core values.

Schedule Change Criteria

Course selections and alternatives for the upcoming school year should be carefully considered during the time of course selection. Every attempt will be made to schedule the students requested courses. Due to class size and availability, students may be scheduled for alternative courses. Attempts will be made to use alternate classes to complete a schedule if conflicts arise. If alternate classes do not solve a schedule conflict, then the counselor will review possible class offerings and then decide which class will be used to resolve the conflict. **Schedule changes will be kept to an absolute minimum after course selection is complete.**

Schedule changes are allowed if they meet one of the following criteria:

1. A change due to attendance or non-attendance in summer school
2. A change due to failure of a class in the previous semester
3. A change due to health reasons
4. A change due to faculty or counselor recommendation
5. A change due to college or career requirement

Students have up to five (5) school days from the beginning of the course to petition for a change in their schedule. They will be allowed up to (15) school days to replace a class for a study hall, provided there is not one already scheduled and seats are available. Schedules may be changed by counselors due to balancing classes and other circumstances.

Transfer Students

Students who transfer to Kaneland High School will have their transcripts evaluated by their Kaneland counselor to determine credits accepted, requirements met, course or grade level determination, and curriculum placement. Students will only receive weighted credit for courses that Kaneland also designates as weighted. Students transferring into Kaneland High School are strongly encouraged to transfer at the beginning of one of our semesters. Students transferring at other times may lose credits already begun at their previous school.

Early Graduation

It is not the policy of Kaneland High School to facilitate early graduation. We recognize that some students and their parents may require it in extenuating circumstances. Students must present a written petition, and each case will be evaluated individually by administration. Early graduates must still meet the graduation requirements of the class with whom they entered high school. The counselors must approve all summer school classes before students enroll in them. Students who graduate early may not participate in IHSA or KHS extra-curricular student events. Coursework and all materials must be completed and turned in before the student is withdrawn. Early graduates may participate in awards ceremonies and commencement.

Commencement Ceremonies

Only those students who have met all graduation requirements by the established deadline and follow the Board of Education and the State of Illinois requirements will be permitted to participate in commencement ceremonies. Upon completion of missing requirements, students will receive their diploma.

Course Retake

Students may repeat a class that they previously passed through the KHS curriculum. Credit cannot be earned twice for the same course. This does not apply to courses that have flexible content, including but not limited to: Choir, Band, and some PE courses. The retake grade will replace the previous grade when computing the student's GPA. The original grade will remain on the transcript showing no credit earned. Summer school courses through community college or an accredited correspondence program outside of KHS, do not count as course retake.

Credit Recovery

Students may enroll in previously failed courses through Kaneland High School's credit recovery program, community college, or an accredited correspondence program with the approval of KHS Administration.

KHS Summer School

Students may take classes through the Kaneland High School summer school program. Credits for approved courses will receive regular class designation and weighting and count toward graduation requirements. Refer to the summer school course guide for detailed information.

Correspondence and Online Courses

A student enrolled in an accredited correspondence, distance learning or virtual/online course may receive high school credit for work completed, provided:

- The course is given by an institution accredited by the North Central Association of Colleges and Secondary Schools, ISBE, or any other state board of education.
- The student assumes responsibility for all costs.
- The course is approved in advance by their counselor.
- The student assumes responsibility for course completion and final grade.

A maximum of six (6) credits may be counted toward the requirements for high school graduation. Course work must be completed, and final grade received two (2) weeks before the end of the semester. Grades from correspondence courses will be computed into a student's GPA. Credit will not be issued from Kaneland until the official transcript is received from the approved school. These courses will be weighted equivalent to Kaneland High School's course weighting, and, if it is not a course offered at KHS, it will be weighted on a 4.0 scale.

Community College Classes

Students may enroll in college level courses at local community colleges with counselor approval. If students want high school credit granted for the class, the course must be a 3-credit hour class and have regular attendance required. A 3-credit hour course at a community college will be the equivalent of 0.5 credit at Kaneland. Grades from these classes will be computed into the student's GPA. These courses will be weighted equivalent to Kaneland High School's course weighting, and, if it is not a course offered at KHS, it will be weighted on a 4.0 scale. Students who choose this option are responsible for the community college fees and transportation. Courses taken at community colleges will be counted toward the maximum of six (6) credits toward high school graduation as listed in the above section.

Advanced Placement (AP)

The Advanced Placement Program is a cooperative educational endeavor between secondary schools, colleges, and universities. The program allows high school students to undertake college level academic learning in AP courses, and it gives them the opportunity to show that they have mastered the advanced material by taking AP Exams. Students can receive credit and/or advanced placement from thousands of colleges and universities that participate in the [College Board's Advanced Placement Program](#).

While there are many advantages to having AP courses on a student's transcript, students are cautioned about enrolling in too many AP courses within one year. AP students can expect to devote considerable time on their own outside of class in preparation for assignments and assessments. This may include required summer assignments.

- Time demands from juggling multiple AP courses should be considered carefully.
- A well-balanced transcript that includes high-level CTE or Fine Arts or FVCC electives which enrich a student's experience are also important in the college admissions process.

Check with the colleges you are interested in for [AP credit policies](#). Students who want to take the AP exams are responsible for the fees for each exam. The exams are administered at Kaneland High School on nationally designated days in May. Any student may elect to take any of the exams, but it is recommended that you take an AP Course to prepare for the exams. For more information on these policies, please visit the [College Board website](#).

Dual Credit

Dual Credit courses are intended to provide students with the opportunity to receive both high school credit towards graduation and college credit. Through an agreed Memorandum of Understanding with Waubensee Community College (WCC), qualified Kaneland High School teachers can teach approved classes and award credit. All Kaneland teachers in this regard are subject to the same staff expectations as Waubensee Community College instructors, and they use syllabi and resources required by the college. Kaneland High School administration will notify students of any registration requirements for class entry.

Additionally, students attempting to schedule Dual Credit classes will need to qualify academically to attend Waubensee Community College. This can be done by providing a qualifying score on an ACT or SAT exam or by receiving a qualifying score (depending on the subject matter) on what is known as the Accuplacer test, an assessment that Waubensee uses to determine college readiness. Kaneland High School works with WCC to provide this testing opportunity on the high school campus so that students can determine their choices in this regard.

Articulated Credit

At the end of this coursebook is a list of courses at Kaneland High School offered through Fox Valley Career Center for which articulated credit can be earned.

Illinois State Seal of Biliteracy & Commendation toward Biliteracy

The Illinois State Seal of Biliteracy is an award presented at graduation in recognition of attaining a high-level of proficiency in English and in one or more other languages. It is officially designated on a student's transcript and high school diploma. The Commendation toward Biliteracy is awarded to students who demonstrate progress toward biliteracy, but do not fully meet the requirements of the Seal of Biliteracy.

The Illinois State Board of Education and Kaneland CUSD 302 recognize the importance of language and how it helps prepare students for global citizenship. Benefits of the Seal of Biliteracy include the cognitive and academic advantages of multilingualism, employment opportunities in a global job market, and formal acknowledgement of biliteracy on applications or resumes. Additionally, per state law, each public college and university in Illinois is required to award foreign language course credit to a student who has received a State Seal of Biliteracy.

To achieve the Seal of Biliteracy, students must demonstrate proficiency in both English and another language through approved standardized assessments. Testing for the Seal of Biliteracy is limited to students while enrolled in high school, and the exam fees are the responsibility of the student and family. For more information about the Illinois State Seal of Biliteracy program, please visit their website: [Illinois State Seal of Biliteracy](http://www.illinoisstateboardofeducation.org/biliteracy)

NCAA Student Athlete Registration

<http://www.ncaa.org/>

If you want to play NCAA sports at a Division I or II school, you need to register with the [NCAA Eligibility Center](http://www.ncaa.org/eligibility-center). Plan to register during your freshman year of high school and no later than your 7th semester (Junior year). Always communicate with your counselor of your goal so they can help determine if you are on track academically. Playing collegiate sports is an incredible commitment and the planning for this goal begins as early as freshman year. It is the student and family's responsibility to follow the NCAA Clearinghouse eligibility guidelines. The KHS counselor will be a partner in this planning as well.

College Athlete information

To get started, choose from our two account types:

1. **Profile Page Account:** If you plan to compete at a Division III school or currently are not sure in which division you want to compete, create a Profile Page account. If at any time you wish to pursue a Division I or II path, you'll be able to transition to a Certification account. (You cannot move from a Certification account to a Profile Page account.)
2. **Certification Account:** You must be certified by the NCAA Eligibility Center to compete at an NCAA Division I or II school. Before you can make official visits or sign a Division I or Division II National Letter of Intent, you must have completed the Certification account registration (including payment or fee waiver). For Certification accounts, please allow between 30 and 45 minutes to register completely. If you need to exit and come back at a later time, you can save and exit once your account is created.

Have eligibility or registration questions?

If you have questions about your eligibility or the registration process not addressed within this guide, reach out to us! We're here to guide you through your journey. Here's some additional sources of information that may help:

- Search our frequently asked questions at www.ncaa.org/studentfaq
- Domestic students and Canadian students (except Quebec): Call us toll free at 877-262-1492

NAIA Eligibility Center

The National Association of Intercollegiate Athletics, established in 1940, is a college athletics association for colleges and universities in North America. Most colleges and universities in the NAIA offer athletic scholarships to their student athletes. PlayNAIA.org helps future student-athletes discover and connect with NAIA schools, coaches and athletic scholarships. PlayNAIA is also the official clearinghouse for NAIA eligibility. Every student-athlete must register with the NAIA Eligibility Center to play sports at an NAIA college or university.

Driver Education, Health, and Physical Education

Department Chair: Ernie Colombe, ernie.colombe@kaneland.org

Required credits for graduation include the following:

Physical Education: 3.0 credits

Health: 0.5 credit

Driver Education: 0.5 credit

The State of Illinois requires students to be enrolled in Physical Education every year of high school

Driver Education

Driver Education (Semester)

Grade Level: 9, 10

Credit: 0.5

Prerequisite: Must meet State of Illinois requirements.

Driver Education is a two-phase program consisting of classroom and behind the wheel (BTW). At least 30 hours of classroom and 6 hours of BTW are required. Students must hold their permits for a minimum of 9 months before they are able to get their license. Students must also have 50 additional BTW hours with their parents. Students who miss class and drop below the 30-hour minimum will fail the course. The classroom emphasis is on the mental part of driving. The BTW phase includes all types of driving, which includes heavy city traffic and all kinds of weather conditions in order to prepare one to be a safe and courteous driver.

H0102, H0103, H0104, H0114; State code: 08152A000

Health

Health

Grade Level: 9, 10

Credit: 0.5

Prerequisite: none

Health is a semester course required of all freshmen at Kaneland High School. It is a comprehensive class covering basic health areas. Some of the topics covered are the following: human reproduction, sexuality, alcohol, drugs, mental health, wellness, CPR/first aid, stress, and sexually transmitted diseases. This course is a graduation requirement.

H0102; State Code: 08152A000

Contemporary Health

Grade Level: 11, 12

Credit: 0.5

Prerequisite: Must be 17 by the first day of class and have received a C or higher in Health

This class will focus on further study of common health problems, cancer, diseases, STDs, aging/dying, environmental health as it relates to disease, and issues of drug education (tobacco and alcohol). This is an elective class and **does not** fulfill the physical education credits required for graduation.

H0105; State code: 08057A000

Physical Education

Early Bird PE (6:40am-7:30am)**Grade Level:** 9, 10, 11, 12**Credit:** 0.5**Prerequisite:** None

Students apply the health-related fitness components they have learned and are exposed to new activities. Units may include team sports, individual sports, and fitness. Students will rotate in and out of the fitness center. Students' physical fitness will be assessed. This course can be repeated in the same academic year and in successive years. Students must provide their own transportation.

H0140; State code: 08016A000

PE 9 - Introduction to Fitness**Grade Level:** 9, 10**Credit:** 0.5**Prerequisite:** None

The emphasis of this course is on health-related, skill-related, and life-long fitness. Students will rotate in and out of the fitness center every other day. Additional units of instruction in team sports, individual sports, and teambuilding may also be covered. Students' physical fitness will be assessed. Students will be introduced to the use of heart rate monitors.

H0131; State code: 08001A000

Lifetime PE**Grade Level:** 10, 11, 12**Credit:** 0.5**Prerequisite:** Students must pass PE 9 - Introduction to Fitness before entering the class

Students apply the health-related fitness components they have learned and are exposed to new activities. Activities may include team sports, individual sports and fitness. Students will rotate in and out of the fitness center. Students' physical fitness will be assessed. This course can be repeated in the same academic year and in successive years.

H0115; State code: 08016A000

Applied Fitness (Also offered in Early Bird, 6:40am-7:30am)**Grade Level:** 10, 11, 12**Credit:** 0.5**Prerequisite:** Students must pass the course to repeat the course or get written consent from the instructor. Students must pass PE 9 - Introduction to Fitness before entering the class.

This course is geared toward the highly motivated student. The goal for this course is to provide a background of knowledge necessary to aid the student in designing a comprehensive sport specific or physical fitness program. This design is composed of each student's individual goal sets, various tests, and measurements prescribed by the instructor. Each student's program will contain a workout designed by the student according to his or her needs and goals with the final approval of the instructor. Several components of fitness will be included in instruction. Those components include cognitive material, assessment of fitness levels, applied weight training, applied aerobics, body composition analysis, daily stretching, and documented program design and evaluation. Topics of special interest may be included. Students will rotate in and out of the fitness center every other day. Additional units in team and individual sports may be added. This course can be repeated in the same academic year and in successive years.

H0132; State code:08009A000

Total Body Fitness

Grade Level: 10, 11, 12

Credit: 0.5

Prerequisite: Students must pass the course to repeat the course or get written consent from the instructor. Students must pass PE 9 - Introduction to Fitness before entering the class.

This class is designed to provide students with the opportunity to explore a variety of group fitness activities in search of one they can enjoy and participate in for a lifetime. Students will participate in a variety of activities throughout the semester including cardio kickboxing, step aerobics, circuit training, yoga/Pilates, interval training, running, muscle toning, and stretching. The content articulates the knowledge, skills, and confidence students need to maintain meaningful physical activity throughout their lifetime. This course can be repeated in the same academic year and in successive years.

H0139; State code: 08005A000

PE Leadership

Grade Level: 10, 11, 12

Credit: 0.5

Prerequisite: Students in this course are selected after submitting a formal application and interview with the PE Department

PE leaders of the H.O.P.E. (Helping Others Prosper Everyday) program will work with students who have a variety of special needs as documented by their individualized educational plan (IEP) in various physical education settings. In addition to physical assistance, PE leaders will help plan and implement activities that will assist with the social-emotional and life skills development of each student. These objectives are accomplished through daily lesson plans, special projects and/or performances, community experiences, and specific topic written feedback.

H0145; State code: 08995A000

Walking for Wellness

Grade Level: 10, 11, 12

Credit: 0.5

Prerequisite: Students must pass the course to repeat the course or get written consent from the instructor. Students must pass PE 9 - Introduction to Fitness before entering the class.

The goal of this class is to offer students an opportunity to achieve physical fitness primarily through walking. Students track their daily progress. Students will also use heart rate monitors to help assess fitness levels through walking or other activities. This class may also cover the following topics: benefits of walking, fitness goal setting, basic anatomy, nutrition, and body adaptations to exercise. All students with a pre-established medical waiver that allows them to walk will be allowed to take this class. This course can be repeated in the same academic year and in successive years.

H0175; State code: 08052A000

Physical Education Exemption Policy

Four (4) credits of Physical Education (3 P.E., 0.5 Health, 0.5 Driver Ed) are required for graduation at Kaneland High School. For students participating in IHSA sanctioned sports representing Kaneland High School, up to two (2) credits of the Physical Education requirements may be waived as a result of receiving an exemption. For students participating in Marching Band, up to two (2) additional credits of Physical Education may be waived as a result of receiving an exemption. Students may request an exemption from Physical Education during the registration process and/or within the first five (5) school days of each semester. **No exemptions will be granted after the first five (5) days of each semester.**

Students may request an exemption from Physical Education for the following reasons:

1. Participation in IHSA sanctioned sports representing KHS (Juniors and Seniors only)

- a. Students exempted from Physical Education due to their participation in interscholastic athletics may not replace Physical Education with a second study hall.
- b. If a student is removed from a team for disciplinary or academic reasons or fails to participate, they will be required to make-up the waived Physical Education credit. This could result in two PE courses the same semester, summer class, or other possibilities at the discretion of their counselor.
- c. Participation in one fall sport will equal a first semester exemption. Participation in one spring sport will equal a second semester exemption. Students participating in a winter sport may choose either a first or second semester exemption.

2. Participation in Marching Band (Fall semester only)

- a. Students may be exempted from Physical Education due to their participation in Marching Band for the fall semester of each school year. Marching Band exemptions may not exceed four semesters of Physical Education.
- b. Students exempted from Physical Education due to their participation in Marching Band may not replace Physical Education with a second study hall.
- c. If a student is dropped from Marching Band for disciplinary or academic reasons or failed to participate, they will be required to make-up the waived Physical Education credit.

3. Fulfillment of graduation requirements

A waiver may be requested by a student enrolling in a class necessary to meet specific State and/or local graduation requirements when the addition of such a course load to the student's schedule would result in a course load greater than that of the District's normal practice.

4. Unique academic need

A student who needs to complete a specific academic course not included in existing State or local minimum graduation standards but are required for admission by a post-secondary institution he/she plans to attend, may request an exemption from Physical Education when the addition of such a course to the student's schedule would result in a course load greater than that of the District's normal practice.

Fine Arts

Department Chair: Bryan Kunstman, bryan.kunstman@kaneland.org

Required credits for graduation include the following:

1.0 credit must come from World Languages, Fine Arts, of Career Technical Education

FINE ARTS COURSE OFFERINGS

Class Title	Grade Level	Recommended Prerequisite
ART OFFERINGS		
Art and Society	9, 10, 11, 12	None
3D Art 1	9, 10, 11, 12	None
3D Art 2	9, 10, 11, 12	None
Photography 1	9, 10, 11, 12	None
Photography 2	9, 10, 11, 12	Photography 1
2D Art 1	9, 10, 11, 12	None
2D Art 2	9, 10, 11, 12	2D Art 1
Studio Art	10, 11, 12	2D-2 or 3D-2 or teacher recommendation
AP Art	11, 12	C in Art 2D-2, Art 3D-2, Photography 2 or Studio Art. Students may also get Art instructor recommendation.
MUSIC OFFERINGS		
BAND		
Band Percussion Ensemble	9, 10, 11, 12	Middle school Band or audition
Concert Band	9, 10, 11, 12	Middle school Band or audition
Symphonic Band	10, 11, 12	Audition or Director recommendation
Jazz Band	9, 10, 11, 12	Placement by audition and students must be enrolled in Concert Choir, Concert Band, Percussion Ensemble, or Wind Ensemble to participate in Jazz Band.
Wind Ensemble	10, 11, 12	Audition

Class Title	Grade Level	Recommended Prerequisite
CHOIR		
Bass/Tenor Choir	9	None
Treble Choir	9	None
Mixed Choir	10, 11, 12	Successful completion of Treble Choir or Bass/Tenor Choir or an audition.
Concert Choir	10, 11, 12	Successful completion of Mixed Choir or an audition.
Bella Voce (auditioned ensemble)	10, 11, 12	Placement by audition and students must be enrolled in Concert Choir, Mixed Choir, Concert Band, Percussion Ensemble, or Wind Ensemble to participate in Bella Voce.
Madrigals/Chamber Choir Honors (auditioned ensemble)	10, 11, 12	Placement by audition and students must be enrolled in Concert Choir, Mixed Choir, Concert Band, Percussion Ensemble, or Wind Ensemble to participate in Madrigals/Chamber Choir.
MUSIC THEORY		
Music Theory 1	9, 10, 11, 12	None
Music Theory 2 Honors	10, 11, 12	C in Music Theory 1 or teacher recommendation
Piano Keyboarding	9, 10, 11, 12	None
THEATRE OFFERINGS		
Acting Essentials	9, 10, 11, 12	None
Dual Credit Theatre Appreciation	10, 11, 12	None

Art

Art and Society

Grade Level: 9, 10, 11, 12

Credit: 0.5

Prerequisite: None

How is art important to you and to the world? How is your personality reflected in the choices you make? In this class, we will learn about culture as we do projects that reflect our understanding of our own culture, subcultures and cultures throughout the world.

This non-creation/academic course provides the students with a working knowledge of the meaning and importance of the arts as a process of the creative imagination in dynamic interaction with a society. Its purpose is to develop deeper understanding of the human personality in the context of global and national development such that in the process, one's appreciation for his/her cultural heritage is enhanced.

H0303; State code: 05154A000

3D Art 1

Grade Level: 9, 10, 11, 12

Credit: 0.5

Prerequisite: None

Students will learn and practice three-dimensional media and techniques, including but not limited to clay and found objects. They will consider scale and environment as necessary components of successful sculpture. Students will also explore traditional and contemporary approaches in ceramic sculpture and vessel-making.

H0317; State code: 05158A000

3D Art 2

Grade Level: 9, 10, 11, 12

Credit: 0.5

Prerequisite: 3D Art 1

3D Art 2 builds on the skills and techniques of 3D Art 1. In this class, students will develop their personal style and confidence in sculptural form and wheel working. History of ceramics and sculpture will be studied, which will lead students to experiment with characteristics and traits to make artistic three-dimensional forms.

H0318; State code: 05199A000

Photography 1

Grade Level: 9, 10, 11, 12

Credit: 0.5

Prerequisite: None

An overview of the history of photography, camera settings, principles and elements of composition, lighting, correct care and handling the digital camera, photojournalism, and presentation. Students will learn with hands-on experience by taking photos in and out of school. They will also learn how to enhance photos by using Photoshop/Camera Raw.

H0304; State code: 05167A000

Photography 2

Grade Level: 9, 10, 11,12

Credit: 0.5

Prerequisite: Photography 1

Applying the fundamental principles learned in Photography 1, this course will focus on the versatility of their applications. Alternative processes (including beginning darkroom techniques) and a deeper understanding of digital media will add to the students' visual literacy and address photography as a language through which we can communicate. Skills in film processing, specialized filters, lighting, lenses, and developing are explored. The objective of the course is to encourage the student to refine and understand the techniques of the medium and to experiment with alternative processes that will develop their own distinctive style.

H0305; State code: 05251A000

2D Art 1

Grade Level: 9, 10, 11, 12

Credit: 0.5

Prerequisite: None

Students will create artwork on a flat surface using various media (paint, pastel, charcoal, etc.). Students will develop their technical skills, art vocabulary, and sense of aesthetics and color theory. They will observe and record how light defines form and explore and refine their artistic understanding through a series of projects. Students will visually document their progress throughout the semester and analyze their overall artistic growth.

H0332; State code: 05155A000

2D Art 2

Grade Level: 9, 10, 11, 12

Credit: 0.5

Prerequisite: 2D Art 1

Refining the skills and techniques learned in 2D Art 1, students will develop their own artistic style/voice as their painting and color experiences are expanded through a series of projects centered on creative problem solving and personal expression. Projects will include drawing, painting, collage, sculpture, and mixed media, with emphasis on critical thinking, craftsmanship, and presentation of artwork.

H0333; State code: 05154A000

Studio Art

Grade Level: 10, 11, 12

Credit: 0.5

Prerequisite: 2D Art 2 or 3D Art 2 or teacher recommendation

This course enhances students' artistic style through series work. Students choose a medium to further their communication skills. Emphasis is placed on student awareness of the creative process as well as development of originality, craftsmanship, and personal expression. Students develop skills of exhibit and portfolio preparation and curate the annual student art show. Weekly critiques and a comprehensive art history unit help clarify individual aesthetic philosophies. Students develop the ability to dialogue intelligently and sensitively about art, responding to and reflecting on art works, events, and life experiences. As students apply these skills and interpret their experiences, highly personal works and images begin to evolve.

This course may be taken more than once with a different series/media focus.

H0338; State code: 05170A000

AP Art (year-long)

Grade Level: (Honors) 11, 12

Credit: 1.0

Prerequisite: Receive a C in Art 2D-2, Art 3D-2, Photography 2, or Studio Art. Students may also be allowed into the class with a recommendation from an Art instructor.

AP Studio Art emphasizes visual-art issues which concern the experienced student. The AP Studio Art student becomes self-directed as he/she pursues increasingly challenging goals in creative thinking, visual development, and art productions. The students will spend a great deal of time discovering, developing and then focusing on a complex visual problem of their own making. The "concentration" will form the majority of the AP portfolio. Students are expected to develop skills of exhibit and portfolio preparation and submit a professional 3-section portfolio, including slides. Weekly critiques and art history discussions continue as students refine their aesthetic philosophies and creative processes. This is an excellent class for students who wish to pursue art and/or design in college or as a career. Students are responsible for outside-of-class studio work, written assignments, and purchasing some supplies for the course.

Students enrolled in this class can receive college level credit based on the review of their portfolio.

H0339; State code: 05153A000

Music

- Music students are expected to attend all rehearsals and performances, including those scheduled outside of the school day as they are part of the course curriculum.
- Freshman students enrolled in two music ensembles must also sign up for a Lunch/Step period.
- Every attempt will be made to match your course request. In the event that a specific music course isn't able to be offered, you will be given the opportunity to select an alternative music course.

Band

Band Percussion Ensemble (Full Year)

Grade Level: 9, 10, 11, 12

Credit: 1.0

Prerequisite: MS Band or audition

This course provides instrumental ensemble performance for percussion students. The purpose of this course is to teach percussion students the lifelong skill of making music. Students participate in performances outside of the school day, including the Holiday Concert, the End of Winter Concert, the Spring Concert, and other festivals when applicable. Students in Band Percussion Ensemble are eligible to audition for the ILMEA music ensembles in the fall and perform at the Solo/Ensemble contest in the spring. First quarter students participate in marching band, which meets after school on Tuesday and Thursday evenings from 5:15 to 8:30. The marching band performs in parades, football games, and marching contests. Students also perform with a pep band which performs at varsity basketball games.

H0310; State code: 05106A000

Concert Band (Full Year)

Grade Level: 9, 10, 11, 12

Credit: 1.0

Prerequisite: MS Band or audition

This is a foundation level band course for high school instrumentalists. The purpose of this course is to teach the lifelong skill of making music. Students participate in performances outside of the school day, including the Holiday Concert, the End of Winter Concert, the Spring Concert, and other band festivals that are outside of the school day when applicable. Students in this band are eligible to audition for the ILMEA music ensembles in the fall and to perform at the Solo/Ensemble contest in the spring. First quarter students participate in marching band which meets after school on Tuesday and Thursday evenings from 5:15 to 8:30. The marching band performs in parades, football games, and marching contests. Students also perform with a pep band which performs at varsity basketball games. Students are required to purchase a method book for Concert Band.

H0389; State code: 05102A000

Symphonic Band (Full Year)**Grade Level:** 10, 11, 12**Credit:** 1.0**Prerequisite:** Audition or Director Recommendation

This is an intermediate level band course for High School instrumentalists. This course is for students who have passed an audition or been selected by the instructor for placement into this ensemble. Students participate in performances outside of the school day, including the Holiday Concert, the End of Winter Concert, the Spring Concert, and other band festivals that are outside of the school day when applicable. Students in this band are eligible to audition for the ILMEA music ensembles in the fall and to perform at the Solo/Ensemble contest in the spring. First quarter students participate in marching band which meets after school on Tuesday and Thursday evenings from 5:15 to 8:30. The marching band performs in parades, football games, and marching contests. Students also perform with a pep band which performs at varsity basketball games. Students are required to purchase a method book for Symphonic Band.

H0392; State code: 05101A000

Jazz Band (Full Year)**Grade Level:** 9, 10, 11, 12**Credit:** 1.0**Prerequisite:** Placement by audition and students must be enrolled in Concert Choir, Concert Band, Percussion Ensemble, or Wind Ensemble to participate in Jazz Band.

This is an advanced level instrumental ensemble. This performance ensemble is a select group of 20-25 students who have passed a jazz audition. The purpose of this course is to teach lifelong skills of music. Students participate in performances outside of the school day, including the Holiday Concert, the End of Winter Concert, the Spring Concert, and other festivals when applicable. Students in jazz band must also be enrolled in another large ensemble.

H0340; State code: 05105A000

Wind Ensemble (Full Year)**Grade Level:** 10, 11, 12**Credit:** 1.0**Prerequisite:** Audition

This course is an advanced level band course for high school instrumental musicians who have auditioned and been selected to participate. This ensemble explores challenging musical literature and performs at a high level of musicianship and professionalism. Wind Ensemble provides students with several performance experiences outside of the school day, including the Holiday Concert, the End of Winter Concert, the Spring Concert, and the other band festivals when applicable. This ensemble is designed to explore more challenging musical literature and perform with a high level of musicianship and professionalism. Members are eligible to audition for the ILMEA ensembles in the fall and Solo/Ensemble contest in the Spring. First quarter students participate in marching band, which meets after school on Tuesday and Thursday evenings from 5:15 to 8:30. The marching band performs in parades, football games, and marching contests. Students also perform with a pep band at varsity basketball games.

H0390; State code: 05106A000

Choir

Bass/Tenor Choir (Full Year)

Grade Level: 9th Grade or new to choir

Credit: 1.0

Prerequisite: None

This is a foundation level choir course for tenor/bass singers who want to learn basic choral skills and have the desire to sing in a group. The purpose of this class is to teach the students the lifelong skill of learning to use their voice effectively in a choral setting. Students will perform in three major performances. These performances include the Holiday, Winter, and Spring concerts. Students will be assessed on music theory and literacy as it pertains to singing, take vocal assessments, and attend all rehearsals and performances scheduled outside the school day.

H0383; State code: 05110A000

Treble Choir (Full Year)

Grade Level: Alto/Soprano 9th Grade or new to choir

Credit: 1.0

Prerequisite: None

This is a foundation level choir course for soprano/alto singers who want to learn basic choral skills and have the desire to sing in a group. The purpose of this class is to teach the students the lifelong skill of learning to use their voice effectively in a choral setting. Students will perform in three major performances. These performances include the Holiday, Winter, and Spring concerts. Students will be assessed on music theory and literacy as it pertains to singing, take vocal assessments, and attend all rehearsals and performances scheduled outside the school day.

H0385; State code: 05110A000

Mixed Choir (Full Year)

Grade Level: 10, 11, 12

Credit: 1.0

Prerequisite: Successful completion of Treble Choir or Bass/Tenor Choir or an audition.

This is an intermediate level SATB choir for second year choir students who enjoy singing. The purpose of this class is to teach the students the lifelong skill of learning to use their voice effectively in a choral situation. Students participate in three major performances each year. These performances include the Holiday, Winter, and Spring concerts. Members of this choir can audition for select ensembles such as the Madrigal Chamber Choir and Bella Voce. Each student can also choose to participate in the state IHSA Solo/Ensemble contest. Students will be assessed on music theory and literacy as it pertains to singing, take vocal assessments, and attend all rehearsals and performances scheduled outside the school day.

H0386; State code: 05121A000

Concert Choir (Full Year)

Grade Level: 10, 11, 12

Credit: 1.0

Prerequisite: Successful completion of Mixed Choir or an audition.

This an advanced SATB ensemble for junior and senior students who enjoy singing. The purpose of this class is to teach students the lifelong skill of learning to use their voice effectively in a choral situation. Students participate in three major performances each year. These performances include the Holiday, Winter, and Spring concerts. Members of this choir can audition for select ensembles such as the Madrigal Chamber Choir and Bella Voce. Each student can also choose to participate in the state IHSA Solo/Ensemble contest. Students will be assessed on music theory/literacy as it pertains to singing, take vocal assessments, and attend all rehearsals and performances scheduled outside the school day. Members of Concert Choir may participate in some capacity in the annual Madrigal Dinner in December.

H0388; State code: 05110A000

Bella Voce (Full Year) - Auditioned ensemble**Grade Level:** 10, 11, 12**Credit:** 1.0**Prerequisite:** Placement by audition and students must be enrolled in Concert Choir, Mixed Choir, Concert Band, Percussion Ensemble, or Wind Ensemble to participate in Bella Voce.

This course is for sophomore, junior, and senior sopranos and altos who have auditioned and been selected to participate in this ensemble. Bella Voce is a select ensemble that performs in several performances outside the school day. This ensemble performs advanced treble voice literature selections with a high level of musicianship. Students in this class will study music from the Renaissance period and beyond.

H0346; State code: 05111A000

Madrigals/Chamber Choir Honors (Full Year) - Auditioned Ensemble**Grade Level:** Honors 10, 11, 12**Credit:** 1.0**Prerequisite:** Placement by audition and students must be enrolled in Concert Choir, Mixed Choir, Concert Band, Percussion Ensemble, or Wind Ensemble to participate in Madrigals/Chamber Choir.

This course is for sophomore, junior, and senior students who have auditioned and been selected to participate in this ensemble. Madrigals/Chamber Choir is an advanced ensemble that performs in several performances outside of the school day. Each year, the ensemble will prepare for the annual Madrigal. This ensemble performs a great deal of advanced chamber choir literature with a high level of musicianship. Students in this class will study music from the Renaissance period and beyond.

H0345; State code: 05111A000

Music Theory**Music Theory 1****Grade Level:** 9, 10, 11, 12**Credit:** 0.5**Prerequisite:** None

This course teaches the basic fundamentals of the theory of music. Topics included are note names, rhythm, scales, chords, and basic composition. The students are aided in the class by MIDI electronic keyboards, and music theory programs on the computer. No piano skills are needed.

H0350; State code: 05113A000

Music Theory 2 Honors (Full Year)**Grade Level:** Honors 10, 11, 12**Credit:** 1.0**Prerequisite:** C or better in Music Theory 1 or teacher recommendation

Music Theory 2 is a class designed to prepare any sophomore, junior or senior music student for college level Music Theory classes. This class is for any student who is interested in exploring intermediate and advanced concepts in music theory and aural skills. In order to be eligible for this class, students must receive a C or better in Music Theory 1 or have approval from a Band or Choir instructor. This class is essential for any student who plans on majoring in music in college.

H0352; State code: 05113A000

Piano Keyboarding**Grade Level:** 9, 10, 11, 12**Credit:** 0.5**Prerequisite:** None

This class is intended for students with NO piano skills. Students learn the basics of piano playing (proper use of each hand, scale patterns, chords, two hands together, etc.) and basic music reading skills. The course will be taught using MIDI electronic keyboards with the aid of computers.

H0370; State code: 05107A000

Theatre

Acting Essentials**Grade Level:** 9, 10, 11, 12**Credit:** 0.5**Prerequisite:** None

This course is intended for students interested in pursuing acting. In this course, the students will explore the stylistic elements of performance. They will develop basic knowledge in character development, script analysis, stage movement, auditioning skills and the rehearsal process. This course is heavily dependent upon performance-based assessments and will require students to perform individually and in groups on stage. At the end of the term, the students will showcase and evaluate their work.

H0300; State code: 05055A000

Dual Credit Theatre Appreciation**Grade Level:** 10, 11, 12**Credit:** 0.5**Prerequisite:** None**Course Fee:** \$36.00 WCC tuition fee (for students electing to take the course for Dual Credit)

This course introduces students to theatre as an art form: the play, playwright, acting, directing, and the production elements of lighting, set design, costumes, make up, props, sound and theatre management. Students also study the relationship between the playwrights' lives and their societies throughout history. Successful completion of this course will result in 3 General Education Fine Arts credits, equivalent to THE 100 at Waubensee Community College. Students and parents pursuing Dual Credit should confer with their potential college choices about the transferability of this course.

H0382; State code: 05059A000

Language Arts

Department Chair: Kim Reese, kimberly.reese@kaneland.org

Required credits for graduation include the following:

English: 4.0 credits

Communication Studies: 0.5 credit

LANGUAGE ARTS COURSE OFFERINGS

Class Title	Grade	Recommended Prerequisite
English 9 OR English 9 Honors	9	English 9: None English 9 Honors: A in 8th Grade Language Arts or B in 8th grade Challenge English
English 10 OR English 10 Honors	10	English 10: English 9 English 10 Honors: A in English 9 or B in English 9 Honors
Communication Studies	10, 11, 12	None
English 11 (Select either Dreams & Nightmares or Literature and Film) OR AP English Language & Composition	11	English 11: English 10 or English 10 Honors AP English Language & Composition: A in English 10 or B in English 10 Honors
AP English Literature & Composition OR Journalism 2 Honors* OR English 12 OR Dual Credit First-Year Composition	12	AP English Literature & Composition: A in English 11 or B in AP English Language & Composition *Journalism 2 Honors: B in Journalism 1 and <i>Krier</i> adviser recommendation English 12: English 11 or AP English Language & Composition Dual Credit First-Year Composition: 19 or higher on ACT English AND English 11 or AP English Language & Composition AND 3.0 Unweighted GPA

Electives: Can be taken concurrently with required classes, depending on the grade level

Class Title	Grade Level	Recommended Prerequisite
Creative Writing 1	9, 10, 11, 12	C in previous English Class
Creative Writing 2	9, 10, 11, 12	B or better in Creative Writing 1
Yearbook Production	11, 12	English teacher recommendation
Journalism	9, 10, 11, 12	B in previous English class
Journalism 2 Honors	10, 11, 12	Prerequisite: B in Journalism 1 and <i>Krier</i> adviser recommendation

Communication Skills

Communication Studies (Semester)

Grade Level: 10, 11, 12

Credit: 0.5

Prerequisite: None

This required course in speech communications serves three primary goals: introduction to the theories of human communication, classroom experiences in a variety of communication situations, and evaluation of individual communicative behavior. Students will be expected to research, organize and deliver a variety of oral presentations in front of peers.

H0211 State code: 01151A000

English

Freshman English Requirement

English 9 (Full Year)

Grade Level: 9

Credit: 1.0

Prerequisite: None

This core course is required of all freshmen students, except those students taking English 9 Honors. Students will work to improve their reading and writing skills throughout the year. The English 9 content includes reading various works of literature and completing writing assignments. This class is considered writing intensive because many literature units include a summative writing assessment.

H0236; State code: 01001A000

English 9 Honors (Full Year)

Grade Level: Honors 9

Credit: 1.0

Prerequisite: A in 8th Grade Language Arts or B in 8th grade Challenge English

This course is an alternative to English 9 and has been designed to meet the needs of students who anticipate enrolling in AP English classes. Students will be asked to examine not only the literary merits of a piece but also its connection to the context in which it was written. Writing instruction will focus on refining and expanding upon students' existing skills in a variety of genres. The class is considered writing intensive because many literature units include a capstone writing piece.

H0237; State code: 01001A000

Sophomore English Requirement

English 10 (Full Year)

Grade Level: 10

Credit: 1.0

Prerequisite: English 9

This core course is required of all sophomore students, except for those students taking English 10 Honors. In English 10, students will read a variety of texts and build their skills in analyzing and discussing literature, conducting research, and writing for a variety of purposes. This course is writing intensive.

H0225; State code: 01002A000

English 10 Honors (Full Year)

Grade Level: Honors 10

Credit: 1.0

Prerequisite: A in English 9 or B in English 9 Honors

English 10 Honors is offered to sophomore students looking to engage in challenging reading, writing, and research, and who anticipate enrolling in AP English classes. Reading skills are challenged through student-led learning activities in which students work with academically weighty texts. Students will explore a variety of writing methods including timed essays, formal compositions, and short answer responses on assessments.

H0226; State code: 01002A000

Junior English Requirement

English 11: Dreams and Nightmares (Full Year)

Grade Level: 11

Credit: 1.0

Prerequisite: English 10

This core course is one of two options to satisfy the English requirement for juniors who are not enrolled in AP Language and Composition. Students will explore the themes of dreams and nightmares: What is the impact and value of dreams? How do we respond to real-life nightmares? Readings will include classic American texts as well as contemporary dystopian fiction. Students will continue to strengthen their reading and writing skills through the study of a variety of genres. Writing skills include argument and analysis; reading skills focus on theme and author's choices.

H0243; State code: 01065A000

English 11: Literature and Film (Full Year)

Grade Level: 11

Credit: 1.0

Prerequisite: English 10

This core course is one of two options to satisfy the English requirement for juniors who are not enrolled in AP Language and Composition. Students will explore how to "read" film through a variety of film genres and thematic ideas portrayed in the movies. As this is still an English course, students will also analyze traditional texts (i.e. novels, short stories, etc.) and connect them to films that are studied. Writing skills include argument and analysis; reading skills focus on theme and author's choices.

H0244; State code: 01061A000

AP English Language and Composition (Full Year)

Grade Level: 11

Credit: 1.0

Prerequisite: A in English 10 or B in English 10 Honors

Students in this course will read and carefully analyze a broad and challenging range of nonfiction and, to a lesser extent, fiction selections. Through close reading and frequent writing, students will become more alert to an author's purpose, the needs of an audience, the demands of the subject and the resources of language. The critical skills that students learn will serve them in their own writing; a wide variety of writing tasks will allow them to advance their skills in expository, analytical and argumentative writing. Timed writings are also assigned in preparation for the AP exam. AP English Language and Composition is a junior-level English course and meets the graduation requirement for junior English.

H0209; State code: 01005A000

Senior English Requirement

AP English Literature and Composition (Full Year - Writing Intensive)

Grade Level: 12

Credit: 1.0

Prerequisite: A in English 11 or B in AP English Language and Composition

This course engages students in careful reading and critical analysis of writers from this country and abroad, and it prepares students for the Advanced Placement Examination. The course includes an intensive study of representative literary works from various genres and periods. Close reading by students involves the following elements of study: the experience of literature (responding with pre-critical impression and emotional response), the interpretation of literature (analyzing to understand multiple meanings), and the evaluation of literature (considering the social and/or cultural value of the work). In preparation for the AP English literature exam, almost all of the formal writing assignments and timed writings focus on the critical analysis of literature. There is a summer reading requirement for which students can choose a title from a list of options. Additionally, AP English Literature students are required to complete a written assignment in reaction to the summer reading, due on the first day of class. AP English Literature and Composition is a senior-level English course and meets the graduation requirement for senior English.

H0210; State code: 01006A000

English 12 (Full Year)

Grade Level: 12

Credit: 1.0

Prerequisite: English 11 or AP Language & Composition

English 12 is a full-year course designed to introduce students to academic literacy by developing rhetorical skills in reading, writing, critical thinking, analysis, and metacognition for college and career success. The course integrates essential skills as outlined in the PWR Act. In order to further develop reading and writing skills, students will read and analyze long and short fiction, non-fiction, and multimedia texts with a focus on how students can become "Agents of Change". As a Transitional English class, students receiving a C or better guarantees placement into a credit-bearing first-year composition course at any Illinois Community College.

State code: 01004A001

Dual Credit First-Year Composition

Grade Level: Honors 12

Credit: 1.0

Prerequisite: 19 or higher on ACT English AND English 11 or AP English Language & Composition AND 3.0 Unweighted GPA

Course Fee: \$36.00 WCC tuition fee each semester (for students electing to take the course for Dual Credit)

This course focuses on the writing, researching, and revising of expository essays and writing projects. It concentrates on the writing process, identifying and responding to different audiences and rhetorical situations, and understanding the conventions of format and structure in various discourse communities, including academic writing. Practice in critical thinking and essay development is emphasized. Students write analytical and argumentative essays, including an academic research paper. This course is the equivalent of ENG 101 and ENG 102 at Waubensee Community College. Students and parents should confer with their potential college choices about the transferability of this course.

State code: 01103A000

Journalism 2 (Full Year)

Journalism 2 can be taken in place of English 12 when all other requirements for Journalism 2 have been met. Please refer to the Journalism 2 description in the English Electives section of the Course Offerings Book.

English Electives

These elective courses do not satisfy the graduation requirements for English credit

Creative Writing 1

Grade Level: 9, 10, 11, 12

Credit: 0.5

Prerequisite: C in previous English Class

This course involves the in-depth study of the elements of fiction writing, numerous poetic forms, and script writing. The course is designed for students who are interested in pursuing their own creative writing talents and interests.

H0220; State code: 01104A000

Creative Writing 2

Grade Level: 9, 10, 11, 12

Credit: 0.5

Prerequisite: B or better in Creative Writing 1

Creative Writing 2 is a writing-intensive course designed to further develop and refine writing skills learned in Creative Writing 1. Students will advance their creative writing skills through a focus of their choice and work towards a culminating portfolio of their work. This course is designed for students interested in pursuing a career in creative writing.

H0221; State code: 01104A000

Yearbook Production (Full Year)

Grade Level: 11, 12

Credit: 1.0

Prerequisite: English teacher recommendation is required to register for the course

The course is focused on creating the *Pennon*, the Kaneland High School yearbook. Students will study design theory, photography composition, feature writing, secondary coverage, and marketing. The yearbook staff applies all these skills through designing all the pages, writing all the stories, selecting all the pictures, and advertising the yearbook. They are responsible for setting and meeting deadlines, working in a team environment, collaborating with editors, working with professional photographers, selling yearbooks, and using online publishing software. Students will also study the various legal responsibilities and rights associated with a publication like the *Pennon*, and they will work under the guidelines and expectations as established by both the law and the rules set forth by the class. *This course can be taken more than once. Students interested in leadership positions are advised to take Yearbook Production as a junior to build knowledge and skills. Leadership positions require a completed application and teacher recommendation.*

H0250; State code: 11104A000

Journalism

Journalism 1: Introduction to Journalistic Studies (Full Year)

Grade Level: 9, 10, 11, 12

Credit: 1.0

Prerequisite: B in previous English class

This course is intended for students with strong reading and writing skills and interests. The purpose of Journalism 1 is to expose students to reporting and interviewing experiences; to improve writing techniques while building news writing skills; and to acquaint students with physical aspects of newspaper work, such as photojournalism, page design, advertising, poll taking, and infographics. Students learn the basics of journalistic writing through units in reporting, news writing, sports and activity writing, feature writing, and opinion writing, including editorials, columns, and reviews. In addition, they study mass media fundamentals, journalism history, propaganda, TV/radio news, and press law basics. Students write for publication in the local press and in the student newspaper, the *Krier*. A portion of each week is spent in the publication's lab, learning to use Macs and digital cameras, reporting and writing *Krier* stories and stories for the local press, and updating the *Krier* website. This is a co-curricular course that does require students to put in hours outside of the classroom.

H0212; State code: 11101A000

Journalism 2 Honors (Full Year) - Journalistic Studies and Publications

Grade Level: Honors 10, 11, 12

Credit: 1.0

Prerequisite: B in Journalism I and *Krier* adviser recommendation; Journalism 2 can be taken in place of English 12

The purpose of Journalism II is to allow exceptional journalism students to study and put into practice editorial decision-making and staff coordination by working intensively and collaboratively in a variety of areas of publication work. Each student holds an editor's position within *Krier* Publications. Course study includes reporting duties, editorial planning and editorial board functions, school board coverage, literary journalism and specialized feature work, news magazine production, grammar for journalists and publication style, advanced study of press law, First Amendments rights and responsibilities, advanced photojournalism (sports photography and product photography), typography and page design applications, brainstorming and team building, and advertising and business practices. Upper-level staff members will also participate in an annual journalistic Book Club that will offer some choice in their reading. Students also read publications like the *Chicago Tribune* and other assigned outside reading. A significant portion of each week is spent in the publication lab to practice work that has been presented in class. This is a co-curricular course which does require students to put in hours outside of the classroom, as well as requiring them to put in lab work time outside of class as production deadlines dictate and attend summer meetings. The rigorous curriculum of this class makes it excellent preparation for the college bound student. This course is offered every other year.

H0215; State code: 01156A000

Journalism 3 Honors: Editorial Leadership (Full Year)

Grade Level: Honors 10, 11, 12

Credit: 1.0

Prerequisite: B in Journalism 1 and *Krier* adviser recommendation; Journalism II can be taken in place of English 12

The purpose of Journalism 2 is to allow exceptional journalism students to study and put into practice sound editorial decision-making, continue development of superior writing skills and cultivate effective staff coordination by working intensively and collaboratively in a variety of areas of publication work. Each student holds an editor's position within *Krier* Publications. Course study includes reporting duties, editorial planning and editorial board functions, school and village board coverage, literary journalism and specialized feature work, news magazine production, grammar for journalists and publication style, advanced study of press law, advanced study of photojournalism (sports photography and product photography), typography and page design applications, brainstorming and team building, and advertising and business practices. Upper-level staff members will also participate in an annual journalistic Book Club that will offer some choice in their reading. Students also read publications like the *Chicago Tribune* and other assigned outside reading. A significant portion of each week is spent in the publication lab to practice work that has been presented in class. This is a co-curricular course that does require students to put in hours outside of the classroom, as well as requiring them to put in lab work time outside of class as production deadlines dictate and to attend summer meetings. The rigorous curriculum of this class makes it excellent preparation for the college bound student. This course is offered every other year.

H0214; State code: 01156A000

English Language Learners

English as a Second Language 1, ESL 1 (Full Year)

Grade Level: 9, 10, 11,12

Credit: 2.0

Prerequisite: Placement

The high school English as a Second Language class offers English language learners a course to assist them in attaining English language proficiency and in meeting state learning standards. Students are placed in this ESL class based upon the district's Home Language Survey and ACCESS score. This ESL class is for non-native English-speaking students where the focus is on the continuing development of listening, speaking, reading and writing of English. Students will receive two English credits for this class.

H0266; State code: 01008A000

English as a Second Language 2, ESL 2 (Full Year)

Grade Level: 9, 10, 11,12

Credit: 1.0

Prerequisite: Placement

The high school English as a Second Language class offers English language learners a course to assist them in attaining English language proficiency and in meeting state learning standards. Students are placed in this ESL class based upon the district's Home Language Survey and ACCESS score. This ESL class is for non-native English-speaking students where the focus is on the continuing development of listening, speaking, reading and writing of English. Students will receive an English credit for this class.

Mathematics

Department Chair: Travis Berth, travis.berth@kaneland.org

Required credits for graduation include the following:

3.0 Credits of Mathematics

- 1.0 Credit must be Algebra 1
- 1.0 Credit must be Geometry
- *It is highly recommended that a student attending any post-secondary educational institution take Algebra 2*

MATHEMATICS COURSE OFFERINGS

Class Title	Grade Level	Recommended Prerequisite
Algebra 1	9, 10	None - placed from MS math
Algebra 1 with resource	9, 10	Teacher recommendation
Algebra 1 Honors	9	A- or better in MS Math with teacher recommendation
Geometry	10, 11, 12	Algebra 1
Geometry with Resource	10, 11	Teacher recommendation
Geometry Honors	9, 10	Teacher recommendation
Transition to Algebra 2	11, 12	Teacher recommendation
Algebra 2	11, 12	Passed Geometry, or concurrently with Geometry with teacher recommendation
Algebra 2 Honors	10, 11	Geometry Enhanced or teacher recommendation
Electives: Can be taken concurrently with required science classes, depending on the grade level		
Statistics	10, 11, 12	C- or better in Algebra 1 or completion of Geometry
Intro to STEM	11, 12	Pass both semesters of Algebra 2
Pre-Calculus	11, 12	Completion of Algebra 2 or Intro to STEM
Advanced Placement and Dual Credit Offerings		
AP Precalculus	11, 12	C- or better in Algebra 2 Honors or Algebra 2 with teacher recommendation
AP Calculus AB (Dual Credit integrated)	11, 12	For AP credit: Precalculus with teacher recommendation For Dual Credit: 660 or higher on the SAT Math OR 28 or higher on the ACT Math OR take the Accuplacer test with Waubensee.
AP Calculus BC	11, 12	Precalculus with teacher recommendation
AP Statistics	11, 12	Algebra 2 (B average or better recommended), Intro to STEM Math (A- or better average recommended), or Precalculus; course may also be taken concurrently with Precalculus or AP Calculus.
Transitions to Quantitative Literacy	12	Math graduation credit requirements met; Pass both semesters of Algebra 2 or Teacher Recommendation from Transitions to Algebra 2
Dual Credit College Mathematics	12	C- or better in Transitional QL Math or 3.0 Cumulative GPA + 530 PSAT or C- or better in both semesters of Algebra 2

Required Classes

Algebra 1 (Full Year)

Grade Level: 9, 10

Credit: 1.0

Prerequisite: MS Math

This course focuses on the study of variables and linear expressions. Concepts incorporated into these include graphing, rate factors, counting principles, scientific notation, exponents and roots. Other concepts introduced in this course include quadratic equations, polynomials, linear systems of equations, and various types of functions. Real world applications are utilized. A TI-30X (or similar) calculator is required.

H0605; State code: 02052A000

Algebra 1 with resource (Full Year)

Grade Level: 9, 10

Credit: 1.0

Prerequisite: Teacher Recommendation

This course meets for a single class period. However, students enrolled in this class will be enrolled in a study hall following this course during which they may receive additional support.

Topics will include addition and subtraction, multiplication and division, working with decimal numbers, fractions, number theory, integers, graphing, rational numbers, ratios, percent and proportions. The course will then focus on the study of variables and linear expressions. Concepts incorporated into these include graphing, rate factors, counting, principles, notation, exponents and roots. Other concepts introduced in this course include quadratic equations, polynomials, linear systems of equations, and various types of functions. Real world applications are utilized. A TI-30X (or similar) calculator is required.

H0951; State code: 02052A000

Algebra 1 Honors (Full Year)

Grade Level: Honors 9

Credit: 1.0

Prerequisite: A- or better in MS Math with Teacher Recommendation

The Algebra 1 Honors curriculum is designed for academically gifted students and for those students who are willing to work to meet the expectations and increased rigor of the course. This course focuses on the study of variables and linear expressions. Concepts incorporated into these include graphing, rate factors, counting principles, scientific notation, exponents and roots. Other concepts introduced in this course include quadratic equations, polynomials, linear systems of equations, and various types of functions. Real world applications are utilized. Participation in the mathematics competition is strongly encouraged. A TI-30X (or similar) calculator is required.

H0951; State code: 02052A000

Geometry (Full Year)**Grade Level:** 10, 11, 12**Credit:** 1.0**Prerequisite:** Algebra 1

The Geometry course will give the students a solid foundation in geometric relationships and logical reasoning, which will prepare them for future mathematics courses in high school and college. Topics included are relationships among parts of figures, including properties of parallel and perpendicular objects, triangles, quadrilaterals, polygons, and circles. The course uses the natural connection between algebra and properties of drawings, explores transformations, congruence, similarity, surface area and volume, and right triangle trigonometry. Limited proof writing follows a carefully sequenced development of the logical and conceptual precursors to reasoning and proof. A TI-30X (or similar) calculator is required.

H0627; State code: 02072A000

Geometry with Resource (Full Year)**Grade Level:** 10, 11**Credit:** 1.0**Prerequisite:** Teacher Recommendation

This course meets for a single class period. However, students enrolled in this class will be enrolled in a study hall following this course during which they may receive additional support.

The course will give the students a solid foundation in geometric relationships and logical reasoning, which will prepare them for future mathematics courses in high school and college. Topics included are relationships among parts of figures, including properties of parallel and perpendicular objects, triangles, quadrilaterals, polygons, and circles. The course uses the natural connection between algebra and properties of drawings, explores transformations, congruence, similarity, surface area and volume, and right triangle trigonometry. Limited proof writing follows a carefully sequenced development of the logical and conceptual precursors to reasoning and proof. A TI-30X (or similar) calculator is required.

H0628; State code: 02072A000

Geometry Honors (Full Year)**Grade Level:** Honors 9, 10**Credit:** 1.0**Prerequisite:** Teacher Recommendation

The Geometry Honors curriculum is designed for academically gifted students and for those students who successfully completed the MS challenge program class, who are willing to work to meet the expectations and increased rigor of the course. This course explores relationships among parts of figures, including properties of parallel and perpendicular objects, triangles, quadrilaterals and circles. This course uses the natural connection between algebra and properties of drawings, explores transformations, congruence, similarity, surface area and trigonometry functions. There will also be group projects and concentrated work with proof writing. Participation in the mathematics competition is strongly encouraged. A TI-30X (or similar) calculator is required.

H0626; State code: 02072A000

Transition to Algebra 2 (Full Year)**Grade Level:** 11, 12**Credit:** 1.0**Prerequisite:** Teacher Recommendation

This course is designed for students who have completed Algebra 1 and Geometry but may not yet be ready for the rigor of Algebra 2. Topics will include the major standards from Algebra 1 and Geometry, as well as an introduction to Algebra 2. The actual topics and pace of the course will be based on students' prior knowledge. Although this course will count as a third credit for graduation, it is highly recommended that students continue to Algebra 2. A calculator is required for the course; a TI-30X-IIS is the recommended model.

H0607; State code: 02055A000

Algebra 2 (Full Year)**Grade Level:** 11, 12**Credit:** 1.0**Prerequisite:** passed Geometry, or concurrently with Geometry with Teacher Recommendation.

This course is designed for the college-bound student. This course involves an in-depth study of a variety of topics including lines, logarithms, quadratic equations, conic sections, systems of equations, statistics, matrices, and trigonometry. There is a heavy emphasis on applications. Graphing calculators are used extensively and therefore required (any TI-83/84 model is highly recommended).

H0606; State code: 02056A000

Algebra 2 Honors (Full Year)**Grade Level:** Honors 10, 11**Credit:** 1.0**Prerequisites:** Geometry Enhanced or Teacher Recommendation

The Algebra 2 Honors curriculum is designed for academically gifted students and for those students who have earned either an A or B in Enhanced Geometry or Regular Geometry class, who are willing to work to meet the expectations and increased academic rigor of the course. This course involves an in-depth study of a variety of topics including lines, logarithms, quadratic equations, conic sections, systems of equations, statistics, matrices, and trigonometry. There is a heavy emphasis on applications. Graphing calculators are used extensively and therefore required (any TI-83/84 model is highly recommended). Participation in the mathematics competitions is strongly encouraged.

H0601; State code: 02056A000

Mathematics Electives

Statistics (Full Year)

Grade Level: 10, 11, 12

Credit: 1.0

Prerequisite: C- or better in Algebra 1, or completion of Geometry.

This course is designed to introduce KHS students to statistical thinking. The focus of this course is on statistical ideas and reasoning and on their relevance to such fields as medicine, education, environmental science, business, psychology, sports, politics and entertainment. As college classes in these fields have increasingly used statistics language and reasoning as an instructional tool or decision-making process, the importance of exposure to statistics in high school has increased. The topics in this course will cover the four major themes in statistics: analyzing data, producing data, chance and inference. In their exploration of these topics, students will use a textbook, many new functions on their graphing calculator, and computer software to make connections between sample data and the real world. A TI83 or TI84 graphing calculator is required for this course.

H0620; State code: 02201A000

Intro to STEM Math (Full Year)

Grade Level: 11, 12

Credit: 1.0

Prerequisite: Pass both semesters of Algebra 2 or Teacher Recommendation from Transitions to Algebra 2

This course is a continuation of Algebra 2 and is designed to prepare the students for Pre-Calculus. Topics will include linear and quadratic functions, other parent functions and their transformations, modeling data, statistical analysis, rational functions, trigonometric graphs, transformations on graphs, finding zeros, logarithmic functions, vectors and their properties, matrices and their applications, and series and sequences. Students receiving a C or better guarantees placement into a credit-bearing general education mathematics course at any Illinois Community College.

H0621; State code: 02106A000

Pre-Calculus (Full Year)

Grade Level: 11, 12

Credit: 1.0

Prerequisites: Completion of Algebra 2 or Intro to STEM Math

The topics included in the course are but are not limited to: functions and their graphs, polynomial and rational functions, exponential and logarithmic functions, Trigonometric functions, analytic trigonometry, additional topics in trigonometry, linear systems and matrices, sequences and series, topics in analytic Geometry, Analytic Geometry in 3 dimensions, Limits and in Introduction to Calculus. A graphing calculator is required for this course (any TI-83/84 model is highly recommended).

H0640; State code: 02110A000

AP Precalculus (Full Year)**Grade Level:** 11, 12**Credit:** 1.0**Prerequisites:** C or better in Algebra 2 Enhanced or Algebra 2 with Teacher Recommendation

This course is designed to prepare students to successfully complete the AP Precalculus Examination in May. College credit may be awarded to students who achieve high marks on this test. The topics in this course are grouped into four main units consisting of Polynomial and Rational Functions, Exponential and Logarithmic Functions, Trigonometric and Polar Functions, and Functions Involving Parameters, Vectors, and Matrices. A TI83 or TI84 graphing calculator is required for this course.

State code: 02114A000

AP Calculus AB - Dual Credit Integrated (Full Year)**Grade Level:** 11, 12 or with approved placement**Credit:** 1.0**Prerequisite For AP credit:** Precalculus with Teacher Recommendation**Prerequisite For Dual Credit:** 660 on the SAT Math OR 28 on the ACT Math OR Accuplacer test placement**Course Fee:** \$48.00 WCC tuition fee (for students electing to take the course for Dual Credit)

This course is designed to prepare students to successfully complete the AP Calculus Examination given in May. Students who successfully complete this course may earn college credit. The topics in the course include, but are not limited to, the following: graphical and numerical analysis of functions, limits and their properties, differentiation and their applications, integration and their applications, and a study of logarithmic, exponential and other transcendental functions. A TI-83, TI-84 or TI-89 graphing calculator is required for this course. Students enrolled in this course will have the option to receive Dual Credit for this course from Waubensee Community College. This course is the equivalent of MTH 131 at WCC and is an Illinois Articulated Course. Students and parents pursuing Dual Credit should confer with their potential college choices about the transferability of this course.

H0618; State code: 02124A000

AP Calculus BC (Full Year)**Grade Level:** 11, 12**Credit:** 1.0**Prerequisite:** Precalculus WITH Teacher Recommendation

This full-year course covers everything in the AP Calculus AB course in addition to topics traditionally covered in a 2nd semester College Calculus course. These topics include functions and their graphs, limits, derivatives and their applications, Integrals, anti-differentiation, and their applications, Polynomial approximations and series. The goal of this course is to adequately prepare students for success on the AP BC Calculus exam. A TI-83, TI-84 or TI-89 graphing calculator is required for this course. Participation in mathematics competitions is strongly encouraged.

H0619; State code: 02124A000

AP Statistics (Full Year)**Grade Level:** 11, 12**Credit:** 1.0**Prerequisites:** Algebra 2 (B average or better recommended), Intro to STEM Math (A- or better average recommended), or Precalculus; course may also be taken concurrently with Precalculus or AP Calculus.

This course is designed to prepare students to successfully complete the AP Statistics Examination in May. College credit may be awarded to students who achieve high marks on this test. The topics in this course include, but are not limited to, an exploratory analysis of data, observing patterns and departures from patterns, planning studies of measurement, and anticipating patterns by producing models using probability and simulation. The inference of these statistics will be done using confidence intervals, tests of significance, and special cases of normally distributed data. A TI83 or TI84 graphing calculator is required for this course.

H0617; State code: 02203A000

Transitions to Quantitative Literacy (Semester)

Grade Level: 12

Credit: 0.5

Prerequisite: Pass both semesters of Algebra 2 or Teacher Recommendation from Transitions to Algebra 2

The semester course is intended to prepare high school seniors for a general education college-level math course. The ultimate goal of this course is mathematical maturity. Topics included are Numeracy (Operation sense, estimation, measurement, quantitative reasoning), Algebra (Operations on expressions and functions, construction and solving of equations), Functions and Modeling (Characteristics of functions including graphical analysis, modeling with geometry, modeling with linear and nonlinear functions), and Applications (Systems of equations, probability and statistics, and proportional reasoning). The course will serve as a prerequisite for Dual Credit College Mathematics. Students receiving a C or better guarantees placement into a credit-bearing general education mathematics course at any Illinois Community College.

H0612; State code: 02201A001

Dual Credit College Mathematics (Semester)

Grade Level: 12

Credit: 0.5

Prerequisite: C or better in Transitional QL Math or 3.0 Cumulative GPA + 530 SAT or C or better in Algebra 2

Course Fee: \$36.00 WCC tuition fee (for students electing to take the course for Dual Credit)

This course in mathematics is designed to satisfy the general education requirement at the university level. The emphasis of the course is on understanding logical arguments, doing abstract thinking and solving real world problems. The topics covered include logical statements and arguments, geometry in problem solving, unit conversions, estimation, approximation, and judging reasonableness of answers, problem solving and statistics. Successful completion of this course will result in 3 General Education Mathematics credits to the equivalency of MTH 101 at Waubensee Community College. Students and parents pursuing Dual Credit should confer with their potential college choices about the transferability of this course.

H0613; State code: 02138A000

Science

Department Chair: Breanne Kahl, breanne.kahl@kaneland.org

SCIENCE COURSE OFFERINGS

Requirements & Classes: Each student is required to take one year of Life Science and one year of Physical Science.	
Life Science required choices:	Physical Science required choices:
Biology (9, 10, 11, 12) OR Enhanced Biology - Anatomy & Physiology (9, 10, 11, 12)	Physical Science (9, 10, 11, 12) OR Chemistry (9, 10, 11, 12) OR Physics (if concurrently enrolled in Algebra 2, 9, 10, 11, 12)

Electives: Can be taken concurrently with required science classes, depending on the grade level		
Class Title	Grade Level	Recommended Prerequisite
Astronomy	10, 11, 12	Algebra 2 (or taken concurrently)
Animal Science	9, 10, 11, 12	C+ in Biology
Earth Science	10, 11, 12	None
EcoSphere: Exploring Biomes and Ecosystems	9, 10, 11, 12	None
Food Science Honors	11, 12	Completion of Foods & Nutrition 1 AND 2 years of Science (Biology and Chemistry)
Forensic Science	10, 11, 12	Geometry and at least one semester of chemistry
Intro to Horticulture	9, 10, 11, 12	None
Advanced Horticulture 1	10, 11, 12	B in Intro to Horticulture
Advanced Horticulture 2	11, 12	B in Advanced Horticulture 1
Horticulture Independent Study: Applications	12	A in Advanced Horticulture 2 and approved focus area of study
Veterinary Science	9, 10, 11, 12	C+ in Biology
Advanced Placement Courses		
AP Biology	11, 12	B- in Enhanced Biology Anatomy & Physiology. Successful completion of Chemistry is strongly recommended.
AP Environmental Science	11, 12	One year of life science and one year of physics and/or chemistry
AP Chemistry	10, 11, 12	Completion of or concurrent enrollment in Algebra 2, B- in Chemistry
AP Physics 1	10, 11, 12	Completion of or concurrent enrollment in Algebra 2, completion of Physical Science or Chemistry, B- in most recent science and math courses.
AP Physics 2	11, 12	B- in Physics or C- in AP Physics 1

Biology

Biology (Full Year)

Grade Level: 9, 10, 11, 12

Credit: 1.0

Prerequisite: None

Biology is the study of living things and their relationships with the nonliving world. The course focuses on topics in cell biology, heredity, change-over-time and the relationship of organisms to their environment. Students will develop and utilize scientific skills including; scientific inquiry, problem solving, critical thinking, and the scientific habits of mind in studying biological and environmental processes.

H0708; State code: 03051A000

Enhanced Biology - Anatomy & Physiology (Full Year)

Grade Level: 9, 10, 11, 12

Credit: 1.0

Prerequisite: B- in Biology for 9th graders, Teacher Recommendation

This lab-integrated course is intended for students who are interested in the study of the biological sciences. The course explores general biological concepts and investigates human body systems. This course includes the study of four major concepts of life science. Biology, Human Anatomy and Physiology and Genetics. Laboratory and hands-on activities are emphasized. The course is a prerequisite for AP Biology.

H0701; State code: 03052A000

AP Biology (Full Year)

Grade Level: 11, 12

Credit: 1.0

Prerequisite: B- in Enhanced Biology - Anatomy & Physiology. Successful completion of Chemistry is strongly recommended.

This class is a first-year college level lab-integrated biology course that provides students with the challenge and information found in a college level course. Students have the opportunity to earn college credit by taking the AP exam. Major topics include biological chemistry, cells, energy transformation, molecular genetics, heredity, evolution, principles in taxonomy, and ecology. About one-third of the course will include laboratory work. Students must recognize that this course requires extensive out-of-class preparation. This course should be taken in sequence with Enhanced Biology Anatomy & Physiology.

H0710; State code: 03056A000

Chemistry

Physical Science (Full Year)

Grade Level: 9, 10, 11, 12

Credits: 1.0

Prerequisites: None

Physical Science is a full year lab-integrated course designed to address the Physical Science components of the Next Generation Science Standards. Topics addressed will include: the periodic table, bonding and intermolecular forces, chemical reactions, energy, the cycling of matter, Newton's laws of motion, electricity and magnetism, energy, momentum, waves and electromagnetic radiation. This will be a conceptual based class, and an emphasis is placed on hands-on application of the concepts in a lab setting whenever possible. Discuss with your counselor and science teacher about appropriate physical science course options.

H0760; State code: 03152A000

Chemistry (Full Year)

Grade Level: 9, 10, 11, 12

Credit: 1.0

Prerequisite: Algebra 1

This lab-integrated course provides a more rigorous alternative to the Physical Science course. Problem solving and inquiry lab experiences prepare students in this course for both AP Chemistry and other higher level science courses. Topics covered in class include matter and energy, problem solving, atoms and electrons, periodic table, chemical bonding, nomenclature, reactions, moles and stoichiometry, gases and their behavior, states of matter, equilibrium, thermochemistry, intermolecular forces, solutions, and acids and bases. This course examines these topics on a deeper level than that found in the Next Generation Chemistry course. A strong background in math is highly recommended.

H0716; State code: 03102A000

AP Chemistry – Dual Credit Integrated (Full Year)

Grade Level: 10, 11, 12

Credit: 1.0

Prerequisite: Completion of or concurrent enrollment in Algebra 2, B- in Chemistry

Course Fee: \$48.00 WCC tuition fee (for students electing to take the course for Dual Credit)

This lab-integrated course is designed for any students seeking to pursue a science, engineering, or health-related career. This class is the equivalent of the general chemistry course taken during the first year of college and is a rigorous course. Students who score high enough on the AP exam (usually a 3 or better) may receive college credit. Students will explore the topics of solution stoichiometry, states of matter, gases, electronic structure of the atom, periodicity, thermochemistry, chemical equilibrium, acid-based equilibria, kinetics, electrochemistry and equation writing. Additionally, through a variety of lesson formats and assignments, students will have an opportunity to develop problem-solving skills, laboratory techniques and written and verbal communication skills.

H0705; State code: 03106A000

Environmental Science

EcoSphere: Exploring Biomes and Ecosystems (Semester)

Grade Level: 9, 10, 11, 12

Credits: 0.5

Prerequisites: None

This course explores Earth's diverse biomes and ecosystems, examining the interactions between organisms and their environments. Students will study ecological principles, biodiversity, conservation, and human impact on natural systems through hands-on experiments, field studies, and projects.

State code: 03003A000

AP Environmental Science (Full Year)

Grade Level: 11, 12

Credit: 1.0

Prerequisite: One year of Life Science and one year of Physical Science

The AP Environmental Science lab-integrated course is the equivalent of a one-semester, introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. AP Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. This course provides a more rigorous alternative to the Life Science- Environmental course.

H0706; State code: 03207A000

Physics

Physical Science

Grade Level: 9, 10, 11, 12

Credits: 1.0

Prerequisites: None

Physical Science is a full year lab-integrated course designed to address the Physical Science components of the Next Generation Science Standards. Topics addressed will include: the periodic table, bonding and intermolecular forces, chemical reactions, energy, the cycling of matter, Newton's laws of motion, electricity and magnetism, energy, momentum, waves, and electromagnetic radiation. This will be a conceptual based class, and an emphasis is placed on hands-on application of the concepts in a lab setting whenever possible. Discuss with your counselor and science teacher about appropriate physical science course options.

H0760; State code: 03152A000

Physics (Full Year)**Grade Level:** 9, 10, 11, 12**Credit:** 1.0**Prerequisite:** Completion of or concurrent enrollment in Algebra 2

This lab-integrated course provides a more rigorous alternative to the Physical Science course. In this class, the students will use thorough observations and experimentation to understand the laws that govern natural phenomena. Physics is designed for the college-bound student who is interested in science and for the student who is interested in how things work. The major topics studied are motion, forces, work, energy, momentum, rotational motion, electrostatics, electricity and waves. The course emphasizes this discovery through experimentation and individual projects. A strong background in math is highly recommended.

H0761; State code: 03151A000

AP Physics 1 (Full Year)**Grade Level:** 10, 11, 12**Credit:** 1.0**Prerequisite:** Completion of or concurrent enrollment in Algebra 2, completion of Physical Science or Chemistry, B- in most recent science and math courses.

This lab-integrated algebra-based Physics course provides a more in-depth alternative or extension to the Physics course, covering the same content as a first semester college Physics course. Students will collect data through hands-on experiments and then relate their discoveries to practical and everyday phenomena including an end of year field trip to Six Flags where we apply the concepts we have learned and explored to the rides at the park. AP Physics 1 is primarily designed for students interested in pursuing further education in science or science adjacent fields such as Engineering or Pre-Med. Students completing this course can qualify for college credit upon taking the AP Exam. The primary focus of the course is Newtonian Mechanics. Specifically: motion, forces, work and energy, momentum, rotational motion, oscillations, and fluids with each unit having both exploratory and application labs. A strong background in math is highly recommended.

H0762; State code: 03165A000

AP Physics 2 (Full Year)**Grade Level:** 11, 12**Credit:** 1.0**Prerequisite:** B- in Physics or C- in AP Physics 1

This lab-integrated course continues the exploration of natural phenomena begun in either Physics or AP Physics 1 and covers the same content as a second semester college Physics course. Students will collect data through labs and simulations and apply the understanding gained to everyday phenomena. Upon successful completion of the AP exam students will have the opportunity to earn college credit. AP Physics 2 is an excellent course for students who are interested in Engineering and other science adjacent fields such as Pre-Med. This course builds on topics learned in Physics or AP Physics 1 and strongly emphasizes the practical application of physical principles. This course covers thermodynamics, electricity and magnetism, waves, light and sound, optics, atomic and nuclear physics.

H0763; State code: 03164A000

Science Electives

Astronomy

Grade Level: 10, 11, 12

Credit: 0.5

Prerequisite: Algebra 2 (or taken concurrently)

This course will provide the student with an introduction to the concepts of modern astronomy, the origin and history of the Universe, formation of the Earth and the solar system. Students will compare the Earth's properties with those of the other planets and explore how the heavens have influenced human thought and action. The course will give a description of astronomical phenomena using the laws of physics. The course covers many standard topics including planets, stars, the Milky Way and other galaxies, black holes to more esoteric questions concerning the origin of the universe and its evolution and fate. Laboratory exercises include experiments in light properties, measurement of radiation from celestial sources, and observations at local observatories and/or planetariums.

H0735; State code: 03004A000

Animal Science

Grade Level: 9, 10, 11, 12

Credit: 0.5

Prerequisite: C+ in Biology

This life science course is designed to reinforce and extend students' understanding of science by associating scientific principles and concepts with relevant applications in agriculture. Students will examine major phases of animal agriculture and specific biological science concepts that govern management decisions in the animal industry. Topics of study are in the areas of growth and development of animals – embryology, ethology, nutrition, immunity systems, and processing animal products – preservation, fermentation, and pasteurization. The course will be valuable preparation for further education and will increase the relevance of science through the applied setting of agriculture by enhancing literacy in science and the scientific process. Improving computer and workplace skills will be a focus. Students who take this class are qualified to join the National FFA organization. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

H0721; State code: 18101A003

Earth Science (Full Year)

Grade Level: 10, 11, 12

Credit: 1.0

Prerequisite: None

Earth Science is an elective course that involves understanding the history, systems, and composition of our planet. Students will develop skills to produce a claim, give evidence and reasoning around a scientific theory or hypothesis. This course is designed for students who are curious about the inner workings of our Earth and the interactions it has amongst the different biogeochemical cycles and its spheres. Students will investigate Earth's geological time and explain how rock records give geologists clues about Earth's past. Other topics covered in this course include plate tectonics, geology, the atmosphere, meteorology, natural hazards, natural resources, oceanography, and geologic time.

H0720; State code: 03001A000

Food Science Honors

Grade Level: Honors 11, 12

Credit: 0.5

Prerequisite: Foods and Nutrition 1 AND 2 years of science (Biology & Chemistry)

Students will learn the science behind cooking and baking as they practice their skills to taste the difference when reactions work and when they don't. This course prepares individuals to use the scientific process to study the biological and chemical basis for food fermentation, preservation, processing, and preparation. Students develop laboratory skills in measuring, writing, analyzing data, and reasoning skills to explore the interrelationship of food science to other sciences. Experimental methods are used to analyze food mixtures, food microbiology, fermentation, sensory processes, the preservation of foods and complex food systems. Technology is studied as it relates to product development, consumer needs and experimental designs. Emphasis is placed on emerging careers in food science and biotechnology and the application of food science in food service, nutrition, dietetics, and product development. ***Students must pass the safety exam in order to remain in class. If not passed after the third (3) attempt a student will be dropped from the course.***

H3049; State code: 19254A001

Forensic Science

Grade Level: 10, 11, 12

Credit: 0.5

Prerequisite: Geometry and at least one semester of chemistry

Forensic Science is the application of science (chemistry, physics, and biology) to the criminal and civil laws that are enforced by police agencies in a criminal justice system. It includes the investigation of fingerprinting, hair and fiber analysis, toxicology, anthropology, blood spatters, and blood samples. Students are taught the proper collection, preservation, and laboratory analysis of various samples.

H0723; State code: 15055A000

Intro to Horticultural Science (Full Year)

Grade Level: 9, 10, 11, 12

Credit: 1.0

Prerequisite: None

This year long course is designed to develop knowledge and skills in the following areas: careers in the field of horticulture, plant taxonomy, anatomy and physiology, plant environments and growth responses, soils, nutrition, fertilizers, propagation, greenhouse crops, indoor plants, turf and landscape maintenance, landscape design, pruning, planting trees and shrubs, pest controls, seasonal gift plants, floral design basics, and flower and vegetable gardening. Emphasis will be placed on entry-level employability skills. This course is accepted as a Kaneland High School science credit and is accepted as a science course on college transcripts; however, this class does not qualify as one of the NCAA Clearinghouse Core Course approvals for Division I & II Athletic Scholarships. This course may offer the possibility to earn dual credit through Kishwaukee Community College (KCC), for up to six credit hours. Three KCC credit hours may be obtained during the fall semester and three KCC credit hours may be obtained during the spring semester. Students who take this class are qualified to join the National FFA organization. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

H0741; State code: 18052A001

Horticulture: Production & Management

Grade Level: 10, 11, 12

Credit: 2.0 (Advanced)

Prerequisite: for 10th graders - B in Intro to Horticulture

This course offers instruction in landscaping, greenhouse, indoor plant care, floral design and tissue culture. Units of study during the first semester include plant science, landscape maintenance and pruning, landscape design and installation, and holiday floral design and sales. Second semester features greenhouse crops, care and handling of cut flowers, floral design, tissue culture, propagation, marketing and sales. This is a project-based course, so students will be able to work on horticulture projects in their area of interest. Improving computer and workplace skills will be a focus. Participation in FFA activities (high school agriculture student organization) and SAE (Supervised Agricultural Experience) projects are integral course components for leadership development, career exploration and reinforcement of academic concepts.

H0745; State code: 18051A001

Horticulture: Landscape Design

Grade Level: 11, 12

Credit: 2.0

Prerequisite: B in Advanced Horticulture 1

This course focuses on the landscape, nursery and turf segments of the horticulture industry. Units of study include identifying landscape plants, designing landscape plans using computer design programs, hardscape construction techniques, and installing landscape plants. Agribusiness units will cover calculating prices for work, managing a horticulture business, advertising, and sales. Improving computer and workplace skills will be a focus. Participation in FFA (high school agriculture student organization) activities and SAE (Supervised Agricultural Experience) projects are integral course components for leadership development, career exploration and reinforcement of academic concepts.

H0746; State code: 18054A001

Horticulture Independent Study: Applications

Grade Level: 12

Credit: 2.0

Prerequisite: A in Advanced Horticulture 2 and approved focus area of study Group 4

This course is designed to establish knowledge and skills in a specific horticulture career pathway. Students will establish a project outline that helps the student to earn a certificate, licensure, or equivalent during the course. Example projects may include, but are not limited to floral certification, Illinois Certified Nurseryman, Commercial Pesticide Applicators License. Students will be required to verify their experiences by keeping written or computerized records including daily activities and any accomplishments towards earning their certification, licensure, or equivalent. This course is designed to prepare students to have a specific skill set to be workplace-ready at the conclusion of the course.

H0744; State code: 18997A002

Veterinary Science

Grade Level: 9, 10, 11, 12

Credit: 0.5

Prerequisite: C+ in Biology

This life science course is designed to prepare students for careers in animal health. In the course, students will be able to apply animal health concepts using scenarios, models, and labs. Students will explore topics of veterinary science, animal diseases, animal handling, and veterinary procedures. This course is beneficial for students seeking careers such as veterinarian, medical practitioner, pet groomer and more. Improving computer and workplace skills will be a focus. Students who take this class are qualified to join the National FFA organization. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

H0722; State code: 18105A001

Social Studies

Department Chair: Jessica McNally, jessica.mcnally@kaneland.org

Graduation requirements and classes: 2.5 credits from courses below

- REQUIRED: Human Geography (9, 10) **OR** AP Human Geography (9, 10)
- REQUIRED: US History (11) **OR** AP US History (11, 12)
- REQUIRED: Government (11, 12) **OR** AP Government and Politics (11, 12)

Electives: Can be taken concurrently with required classes depending on the grade level

Class Title	Grade Level	Recommended Prerequisite
The History of Armed Conflict	9, 10, 11, 12	None
Psychology	11, 12	None
Sociology	11, 12	None
Ancient World History	9, 10, 11, 12	None
Modern World History	9, 10, 11, 12	None
Advanced Placement Courses		
AP Government and Politics	11, 12	3.0 in both English and Social Studies or teacher recommendation
AP Human Geography	9,10	Teacher recommendation from middle school
AP Microeconomics	11, 12	None
AP Psychology	11,12	None
AP U.S. History	11,12	3.0 in both English and Social Studies or teacher recommendation

Human Geography

Human Geography (Full Year)

Grade Level: 9, 10

Credit: 1.0

Prerequisite: none

Required: This course fulfills the Human Geography requirement

Human Geography is a full year interdisciplinary course that focuses on the five basic themes of geography (location, place, human-environment interaction, movement, and region). The course is designed to challenge students to make connections between the following themes: Spatial Organization of our world; Weather, Climate and Human response to natural and man-made catastrophes; Population and Migration; Culture; Political Geography and Conflict; Economics and Industry; Urban Development.

H0830; State code: 04001A000

AP Human Geography (Full Year)

Grade Level: 9, 10

Credit: 1.0

Prerequisite: Teacher recommendation

Required: This course fulfills the Human Geography requirement

This course satisfies the Human Geography requirement for freshman/sophomore students. The purpose of AP Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They will also learn about the methods and tools geographers use in their science and practice. Students are encouraged to take the AP Exam in Geography, which is administered through the AP College Board for a registration fee paid by the student. Students taking the AP exam may potentially earn college credit at their college/university based upon their score.

H0804; State code: 04004A000

U.S History

U.S. History (Full Year)

Grade Level: 11

Credit: 1.0

Prerequisite: none

Required: This course fulfills the U.S. History requirement

U.S. History is a thematic course that acquaints students with both the facts and the concepts that continue to shape this country. Events are presented chronologically within themes. The themes that will be addressed are from the European colonization of the Americas to the present. The themes will include Early America, American Expansionism and Imperialism, America in Conflict, Immigration, Civil Rights and the Struggle for Equality, Science and Technology, and Pop Culture. The U.S. History curriculum is designed to provide historical foundations prior to taking U.S. Government.

H0825; State code: 04101A000

AP U.S. History (Full Year)**Grade Level:** 11, 12**Credit:** 1.0**Prerequisite:** 3.0 in both English and Social Studies or teacher recommendation*Required: This course fulfills the U.S. History requirement*

This course satisfies the U. S. History requirement for junior students. The Advanced Placement U.S. History survey course, which begins with pre-colonization and proceeds through present time, is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems in U.S. History. The course prepares students for intermediate and advanced college courses by making specific demands including nightly reading assignments and college level essays, equivalent to those expected by a full-year, introductory college course. Students will learn to assess Primary and Secondary Sources, their relevance to a given interpretive problem, their reliability, and their importance. These skills will be used in learning how to weigh the evidence and interpretations presented in historical scholarship. AP U.S. History curriculum is designed to provide historical foundations prior to taking U.S. Government. This course includes an assignment that will be given at the end of the prior school year and is required to be completed and turned in within the first week of the course. **Also, students must attend a meeting with the teacher prior to the end of the school year preceding their enrollment in AP US History.** Students are encouraged to take the AP Exam in U.S. History, which is administered through the AP College Board for a registration fee paid by the student. Students taking the AP exam may potentially earn college credit at their college/university based upon their score.

H0803; State code: 04104A000

Government

Government**Grade Level:** 11, 12**Credit:** 0.5**Prerequisite:** None*Required: This course fulfills the Government requirement*

This required course studies the structure of the United States government and the unique characteristics of the United States democracy. The focus of this course is the understanding and application of the major themes of our government including Federalism, separation of powers, checks and balances, civil liberties and rights and the political process. This course administers a U.S. Constitution test and Illinois Constitution test which must be passed in order to graduate from Kaneland C.U.S.D. #302 and fulfills the State of Illinois requirement. The goal of the course is to provide the foundation for intelligent participation in the national political process.

H0810; State code: 04151A000

AP Government and Politics (Full Year)

Grade Level: 12

Credit: 1.0

Prerequisite: 3.0 in both English and Social Studies or teacher recommendation

Required: This course fulfills the Government requirement

This course satisfies the Government requirement for graduation. The Advanced Placement United States Government and Politics course is a yearlong offering designed as an intensive study of American government and politics. Students will develop and practice a critical understanding of the American political system as it applies to their own rights and responsibilities. Required course materials/projects include a college level text, supplementary readings, videos and writing to free-response questions (FRQ). A substantial amount of reading is required, and students are also expected to spend time outside of class listening to or reading news. This course administers a U.S. Constitution and Illinois Constitution test which requires a passing grade in order to graduate from Kaneland C.U.S.D. #302 and fulfills the State of Illinois requirement. Students are encouraged to take the AP Exam in Government, which is administered through the AP College Board for a registration fee paid by the student. Students taking the AP exam may potentially earn college credit at their college/university based upon their score.

H0802; State code: 04157A000

Social Studies Electives

Ancient World History

Grade Level: 9, 10, 11, 12

Credit: 0.5

Prerequisite: None

Ancient World History is an elective course that fulfills an examination into the past which begins with the Prehistoric time period and concludes with Islam. The course touches on themes like the Ancient Civilizations of Egypt, Greece, and Rome, while diving into the rise and the fall of these great civilizations. World Religions, Geography, and Culture will also be underlying themes of this course along with Trade and War. You do not need to take Ancient World History in order to take Modern World History.

H0840; State code: 04058A000

AP Microeconomics (Full Year)

Grade Level: 11,12

Credit: 1.0

Prerequisite: None

The purpose of the AP course in microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decisions makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy. This course meets the Economics and Financial Literacy (Consumer Education/Economics) Illinois State and Kaneland School District requirements. Students can take AP exam to earn college credit.

H0799; State code: 04203A000

AP Psychology (full year)

Grade Level: 11,12

Credit: 1.0

Prerequisite: None

The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatments of psychological disorders, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, evaluate claims and evidence, and effectively communicate ideas. The AP Psychology course is designed to be the equivalent of the Introduction to Psychology course usually taken during the first college year. AP Psychology is a junior-senior level course and fulfills an elective credit.

H0816; State code: 04256A000

The History of Armed Conflict

Grade Level: 9, 10, 11, 12

Credit: 0.5

Prerequisite: None

This course will investigate the connections between military conflict and relationships between nations throughout history. Students will study the Greco – Persian Wars, the Punic Wars, the Mongols, Colonial Wars of the 1800's, the Island-Hopping Campaigns of WWII, the Korean War, the Vietnam War, the Falklands War, Desert Storm, the 2003 invasion of Iraq, and the War on Terror since 2001. The students will be challenged to think critically, gather information, analyze historical evidence and develop their own thoughts as to the validity of conflict and its long-lasting implications. Key battles, significant individuals, and the impact on society in each era will be highlighted. As their Final, students will be required to create a presentation and a 3D project of a specific battle of their choosing.

H0850; State code: 04065A000

Modern World History

Grade Level: 9, 10, 11, 12

Credit: 0.5

Prerequisite: None

Modern World History is an elective course designed to challenge students to make connections between more modern cultures, economics, political systems, global conflicts, trade and resources, and how they influence our lives/cultures/governments today. Students will study early explorations of Europeans among other topics such as The Age of Discovery, the Ottoman Empire, the Mongolian expansion, Absolutism, the Scientific Revolution, the Enlightenment, the Napoleonic era, the French Revolution, Industrialism, Nationalism, Imperialism, 20th century globalization, the Russian Revolution, the rise and fall of fascism, both world wars and the Cold War. You do not need to take Ancient World History in order to take Modern World History.

H0841; State code: 04053A000

Psychology**Grade Level:** 11, 12**Credit:** 0.5**Prerequisite:** None

This course investigates the general principles of psychology, including its history, research, and development. Subjects include history of psychology, human growth and development, mental health and mental illness, learning principles, motivation, and personality development and theory. The class involves lectures, projects, discussions and debates, and multi-media presentations. Students will also develop research projects designed to enhance their understanding of psychological principles and experimentation.

H0815; State code: 04254A000

Sociology**Grade Level:** 11,12**Credit:** 0.5**Prerequisite:** None

This course of study describes and analyzes how groups of people are defined and how they interact. Those groups include institutions as well as groups defined by gender, age, social class, race, and ethnicity. In Sociology, students will study culture, religion, social stratification, socialization, and gender, and analyze their impact on society. Selected readings, videos, projects, and discussions are an integral part of course content.

H0820; State code: 04258A000

Special Education

Department Chair: Erica Filyo, erica.filyo@kaneland.org

Levels of support

Services and Placements: Placement in these classes depends on special education eligibility and is determined by the student's Individual Education Plan (IEP), teacher recommendations, and IEP goals. Not all course offerings are available with each level of support. Student's IEP team and counselors will work together to make appropriate course selections.

General Education Setting: General education classrooms that provide accommodations as listed in student's IEP. Grade level standards are taught in these classes.

Co-Taught: General education classrooms with two teachers (general education teacher & special education teacher). Both teachers work collaboratively to provide instruction toward the student's IEP goals. Accommodations as listed in the student's IEP are provided. Grade level standards are taught in these classes.

Instructional Classroom: Special education classrooms taught by certified special education teachers who teach the general education curriculum. Grade level standards are taught in these classes. The pace of these classes is modified and there is a lower student-to-staff ratio in each.

S.T.E.P.S. (Supporting Tiered Educational Paths to Success): Special education classes that are taught by certified special education teachers designed to increase student knowledge and skills necessary for everyday living. These classes emphasize goal setting, decision making, problem-solving, communication, healthy lifestyles, relationships, nutrition, personal safety, citizenship, and consumerism. Students focus on academic areas to increase daily life skills. State standards are utilized to drive instruction. These state standards are modified to meet the individual needs of each student.

P.A.E.S. Lab (Pass/Fail only): P.A.E.S. (Practical Assessment Exploration System) creates simulated work environments in ordinary classrooms, where students earn simulated money for completing their job. The students receive training and experience in hundreds of potential jobs, and it assesses the student's competitive work potential and interest level. During the program the students explore various jobs, using real tools, and develop proper work behaviors in the following five areas:

- Business/Marketing (identification/filing, cash register, typing)
- Consumer Services (food preparation, sewing, custodial)
- Computer Technology (data entry, information management, digital photos)
- Construction/Industrial (shop measurement, shop saws, wood projects)
- Processing/Production (bolt assembly, pipe assembly, paper cutting)
- Placement in these classes depends on Special Education eligibility, and is determined by the annual review of a student's Individual Education Plan (IEP), teacher recommendations, and IEP goals

Courses

STEPS - Cross Categorical (Full Year)**Grade Level:** 9, 10, 11, 12**Credit:** 1.0**Prerequisite:** Placement and staffing

Life Skills - CCI gives students with special needs the opportunity to receive more individualized attention. The course is broken down based on the specific needs of the students taking the course. A more specialized curriculum is used, including modifying equipment based on each student's needs. Offered to those with specific limitations stated on the student's IEP or with the recommendation of the special education and physical education department.

Health- Instructional**Grade Level:** 9, 10, 11, 12**Credit:** 0.5**Prerequisite:** Placement and staffing

Health is a semester course required of all students at Kaneland High School. This lab class is a modified curriculum to meet the needs of students with an IEP. Consideration is given to its content sensitivity and to a small group environment. It is a comprehensive class covering basic health areas. Some of the topics covered are the following: human reproduction, alcohol, drugs, mental health, wellness, first aid, nutrition, stress, and sexually transmitted diseases. This course is a graduation requirement.

H0122; State code: 08051A000

Adaptive PE/HOPE Program (Full Year - Pass/Fail only)**Grade Level:** 9, 10, 11, 12**Credit:** 1.0**Prerequisite:** Placement and staffing

Students with special needs are given the opportunity to receive more individualized attention. A more specialized curriculum is used, including modifying equipment based on each student's needs. Adaptive PE is an option for students with specific limitations stated on the student's IEP, or with the recommendation of the special education and physical education department.

H0905; State code: 08049A000

English 9 - Instructional (Full Year)**Grade Level:** 9**Credit:** 1.0**Prerequisite:** Placement and staffing

This course is designed for students who need the curriculum modified in order to meet individual needs. Students will be exposed to all literary genres, such as poetry, short story, and Shakespeare drama. Grammar, spelling, vocabulary and composition skills will also be a part of the integrated language arts curriculum of this course. Resources utilized may include pre-teaching concepts, audio books, modified pacing, additional review, interactive activities, and broken-down instructions.

H0926; State code: 01001A000

English 10 - Instructional (Full Year)**Grade Level:** 10**Credit:** 1.0**Prerequisite:** Placement and staffing

This course is designed for students who need the curriculum modified in order to meet individual needs. Students will study all literary genres, such as poetry, short story, drama, and the novel. Students will continue to refine their grammar, spelling, vocabulary, and composition skills as part of the integrated language arts curriculum of this course. A research paper is part of the curriculum. Resources utilized may include pre-teaching concepts, audio books, modified pacing, additional review, interactive activities, and broken-down instructions.

H0925; State code: 01002A000

English 11 - Instructional (Full Year)**Grade Level:** 11**Credit:** 1.0**Prerequisite:** Placement and staffing

This course is designed for students who need the curriculum modified in order to meet individual needs. Students will continue to work on polishing their reading and writing skills through the study of American literature. Students will study a variety of literary genres, including poetry, essays, short stories, drama and novels. Students will build on their research skills by writing a literature-based research paper and will continue building their vocabularies through additional vocabulary study.

H0916; State code: 01003A000

English 12 - Instructional (Full Year)**Grade Level:** 12**Credit:** 1.0**Prerequisite:** Placement and staffing

This course is designed for students who need the curriculum modified in order to meet individual needs. Students will continue to work on polishing their reading and writing skills through the study of British literature. Students will study a variety of literary genres, including poetry, prose, drama, and literary non-fiction. Students will write a number of shorter essays and responses, and complete at least one assessment involving research.

H0927; State code: 01004A000

Algebra I - Instructional (Full Year)**Grade Level:** 9, 10**Credit:** 1.0**Prerequisite:** Placement and staffing

This is a class for those students who need the curriculum modified in order to meet individual needs. This course will focus on the study of variables and linear expressions. Concepts incorporated into these include graphing, rate factors, counting principles, geometry of 2 and 3 dimensional objects, scientific notation, exponents and roots. Other concepts introduced in this course include quadratic equations, polynomials, linear systems of equations, and various types of functions. Real world applications are utilized.

H0910; State code: 02052A000

Geometry - Instructional (Full Year)**Grade Level:** 10, 11, 12**Credit:** 1.0**Prerequisite:** Placement and staffing

This is a class for students who need the curriculum modified in order to meet individual needs. This course will cover career-based math topics. Topics included are patterns and inductive reasoning, segments and angles, parallel and perpendicular lines, triangle relationships, quadrilaterals, similarity, polygons and area, surface area and volume, and right triangle trigonometry. Additional aids will be used to assist students in the comprehension of the material.

H0940; State code: 02072A000

Human Geography - Instructional (Full Year)**Grade Level:** 9, 10**Credit:** 1.0**Prerequisite:** Placement and Staffing

This is a class for students who need the curriculum modified in order to meet individual needs. Human Geography is an interdisciplinary course designed to challenge students to make connections between cultures, economics, political systems, climate patterns, global conflicts, trade and resources, and the natural environment. This course introduces the student to early migration of humans into North and South America, the seven continents, climates, and major physical features of the world. A review of the economic, political, and social conditions of various regions of the world will be undertaken. The five basic themes of geography and social conditions of various regions will be taught.

H0829; State code 04001A000

Government - Instructional**Grade Level:** 12**Credit:** 0.5**Prerequisite:** Placement and staffing

This is a required course that studies the structure of the United States government and the unique characteristics of the United States democracy. The focus of the course is the understanding and application of the major themes of our government. This course is designed to meet the individual needs of each student. The instruction and content are modified to ensure that all students learn the role our federal, state, and local government play in everyday life.

H0812; State code: 04151A000

Personal Finance - Instructional**Grade Level:** 10, 11, 12**Credit:** 0.5**Prerequisite:** Placement and staffing

This course provides students with the tools necessary to understand and function successfully in a complex economic system. It focuses on the economy of the United States and its role as a world economic power. Topics include economic systems, credit, budgeting, and banking products such as saving, checking and investing accounts. Also studied are the role of the government and economic regulation and the impact of globalization on world economics and the balance of trade. This course includes those topics mandated by the state for consumer education. The instruction and content are modified according to individual student needs.

H2097; State code: 19262A000

US History - Instructional (Full Year)**Grade Level:** 11**Credit:** 1.0**Prerequisite:** Placement and staffing

This course is designed to meet the individual needs of each student. The instruction and content are modified to ensure that all students learn the concepts of history, from the Civil War to the present, as well as the relevance and impact of these events.

H0827; State code: 04101A000

Bio/Environmental - Instructional - Cross Categorical (Full Year)**Grade Level:** 9, 10, 11, 12**Credit:** 1.0**Prerequisite:** Placement and staffing

This is a class for students who need the curriculum modified in Biology/Environmental Science in order to meet individual needs. This course is an introduction to Biology/Environmental Science. The purpose of this class is to acquaint the students with the scientific method of discovery, research, and laboratory procedures. The goal is to capture the students' interest in science through engaging experiences, and to allow them the opportunity to explore physical science concepts from observations and hands-on experiences.

H0728; State code: 03062A000

Physical Science - Instructional - Cross Categorical (Full Year)**Grade Level:** 10, 11, 12**Credit:** 1.0**Prerequisite:** Placement and staffing

This is a class for students who need the curriculum modified in Chemistry/Physics order to meet individual needs. This course is an introduction to Chemistry/Physics. The purpose of this class is to acquaint the students with the scientific method of discovery, research, and laboratory procedures. The goal is to capture the students' interest in science through engaging experiences, and to allow them the opportunity to explore physical science concepts from observations and hands-on experiences.

H0724; State code: 03159A000

HOPE Kitchen Program (Pass/Fail only)**Grade Level:** 9, 10, 11, 12**Credit:** 0.5**Prerequisite:** Specific limitations stated on student's IEP or recommendation of Special Education Department

This class is designed to meet the individual needs of each student as defined on his/her IEP. The student will continue functional life-skills training regarding the basis of food safety, basic cooking principles, shopping skills, money management, and cleanliness of the kitchen environment. In addition, students are being taught real-life functional behaviors that they will need to acquire in order to become productive members of society - getting along with others, and working together toward a common goal. This is a companion course to Culinary Kitchen Leadership which will partner students with special education goals with peer role models.

Academic Intervention 9 - Knights' Armory (Pass/Fail only)**Grade Level:** 9**Credit:** 1.0**Team Recommended Course**

This course provides a structured environment in which academic support is provided and freshman students learn the skills necessary to transition to high school. Targeted skills include utilizing email, how to navigate Canvas/Infinite Campus, how to check grades, and more. The smaller group setting is structured so that students can receive assistance accessing the general education curriculum, as well as instruction in executive functioning skills such as organization, time management, and test preparation. Pass/Fail grades are issued for this course.

H0974; State code: 22003A000

Academic Intervention - Knights' Armory (Pass/Fail only)**Grade Level:** 10, 11, 12**Credit:** 1.0**Team Recommended Course**

In this course, students receive targeted instruction to promote growth in identified academic goal areas. Student growth is monitored, and families are informed of progress each semester. The smaller group setting is structured so students can receive assistance accessing the general education curriculum, as well as instruction in executive functioning skills such as organization, time management, and test preparation. Pass/Fail grades are issued for this course.

H0970; State code: 22005A000

World Languages

Department Chair: Michelle Jurcenko, michelle.jurcenko@kaneland.org

Required credits for graduation include the following:

1.0 credit must come from World Languages, Fine Arts, or Career Technical Education

Please check the World Language entrance and graduation requirements for the colleges that you are considering before planning your high school World Language program.

WORLD LANGUAGES COURSE OFFERINGS

Class Title	Grade Level	Recommended Prerequisite
FRENCH		
French 1	9, 10, 11, 12	Grade 9: B- average in Middle School Communication Skills Grades 10,11,12: C- average in High School English course most recently completed.
French 2	10, 11, 12	C- average in French 1 with a C- or better second semester.
French 3	10, 11, 12	C- average in French 2
AP French 4	11, 12	B- average in French 3
SPANISH		
Spanish 1*	9, 10, 11, 12	Grade 9: B- average in Middle School Communication Skills Grades 10,11,12: C- average in High School English course most recently completed.
Spanish 2	9, 10, 11, 12	C- average in Spanish 1 with a C- or better second semester
Spanish 3	10, 11, 12	C- average in Spanish 2
Spanish 3 Accelerated	11	B average in Spanish 2
Spanish 4 Honors	11, 12	C average in Spanish 3
AP Spanish Language and Culture	12	B- average in Spanish 3 Accelerated or Spanish 4 Honors

* Students who are enrolled in and successfully complete Spanish 1 at Kaneland Harter Middle School may be eligible to earn high school credit for this course

French

French 1 (Full Year)

Grade Level: 9, 10, 11, 12

Credit: 1.0

Prerequisite Grade 9: B- average in MS Communication Skills

Prerequisite Grades 10, 11, 12: C- average in HS English course most recently completed

The ultimate goal in the study of a living language is to train the student to understand it, speak it him/herself, and read and write the language. In French 1, students move toward this goal using the three modes of communication, interpersonal, interpretive and presentational. Basic grammar and constant expansion of vocabulary are stressed. French culture and geography are also introduced.

H0402; State code: 24102A000

French 2 (Full Year)

Grade Level: 10, 11, 12

Credit: 1.0

Prerequisite: C- average in French 1 with a C- or better second semester

This continuation of the preceding course moves the student closer to the ultimate goal by using the three modes of communication. A review of French 1 grammatical principles, more reading of advanced material, and an expansion of vocabulary and new grammar principles characterize the components of French 2. French culture and geography will be expanded upon.

H0403; State code: 24103A000

French 3 (Full Year)

Grade Level: 10, 11, 12

Credit: 1.0

Prerequisite: C- average in French 2

In this course, advanced composition and oral work are stressed. More is learned about the history, culture, institutions, and general makeup of the French world through the use of textbook materials, cultural units, and current French newspapers. A grammar review is conducted, so the student becomes more proficient in the three modes of communication.

H0404; State code: 24104A000

AP French 4 (Full Year)

Grade Level: 11, 12

Credit: 1.0

Prerequisite: B- average in French 3

This course is an extension and enrichment of the existing three levels of French. It includes advanced study of grammar and an introduction to literature in the form of a classical play, poetry, a novel and a short story. During the course, students prepare to take the AP exam, the STAMP test for the Seal of Biliteracy, and/or college language placement tests by practicing reading, writing, listening and speaking skills.

H0405; State code: 24114A000

Spanish

Spanish 1 (Full Year)

Grade Level: 9, 10, 11, 12

Credit: 1.0

Prerequisite for Grade 9: B- average in MS Communication Skills

Prerequisite for Grades 10, 11, 12: C- average in High School English course most recently completed

The three modes of communication, interpersonal, interpretive and presentational, are emphasized throughout this course. Spanish 1 students build a foundation for those valued skills by learning basic grammar and vocabulary, which are practiced and reinforced with oral and written work. Class, small group and partner oral presentations in Spanish are an integral part of this course. Basic Hispanic culture and geography are also studied. Students are expected to learn a minimum of 25-35 words per week and must study on a daily basis to have retention of material.

H0406; State code: 24052A000

Spanish 2 (Full Year)

Grade Level: 9, 10, 11, 12

Credit: 1.0

Prerequisite: C- average in Spanish 1 with a C- or better second semester

Building upon grammar concepts introduced in the first year as well as teaching new vocabulary will help develop the three modes of communication. A variety of short readings as well as a short novel, class, small group and partner oral presentations in Spanish are an integral part of this course. Cultural topics and discussions about the Hispanic world are included this year. An average of 25-35 words will be taught each week, and in order to succeed, students must study on a daily basis to have retention of material. Students will be required to rely heavily on material learned in the previous level.

H0407; State code: 24053A000

Spanish 3 (Full Year)

Grade Level: 10, 11, 12

Credit: 1.0

Prerequisite: C- average in Spanish 2

This course emphasizes the three modes of communication in addition to an increased cultural study in the target language. A variety of short readings as well as a short novel will be read & discussed. Vocabulary building and advanced grammar skills are studied to benefit the student's reading, writing, speaking, and comprehension skills. Class, small group and partner oral presentations in Spanish are an integral part of this course. An average of 25-35 words will be taught each week, and in order to succeed, students must study on a daily basis to have retention of material. Students will be required to rely heavily on material learned in previous levels.

H0408; State code: 24054A000

Spanish 3 Accelerated (Full Year)**Grade Level:** 11**Credit:** 1.0**Prerequisite:** B average in Spanish 2

Spanish 3 Accelerated is designed for highly motivated students who began their study of Spanish freshman year and would like to complete through AP Spanish Language and Culture their senior year. This course will be at an accelerated pace and focused on the three modes of communication. It will be highly demanding, as you will be required to do summer activities. This course is a continuation of the skills learned in the first two years. Advanced grammar is studied as well as previous grammar topics. Advanced conversation and composition are stressed to develop speaking and writing skills in the target language. Class, small group and partner oral presentations in Spanish are an integral part of this course. Students will be required to rely heavily on material learned in previous levels.

H0415; State code: 06103A000

Spanish 4 Honors (Full Year)**Grade Level:** Honors 11, 12**Credit:** 1.0**Prerequisite:** C average in Spanish 3

Spanish 4 Honors is a continuation of the skills learned in the first three years while focusing on the three modes of communication. A study of the culture, history, art and geography of various Spanish speaking countries is covered. Brief literary works are read and discussed as well as two short novels. Advanced grammar is studied as well as previous grammar topics are expanded upon. Advanced conversation and composition are stressed to develop speaking and writing skills in the target language. Class, individual, small group and partner oral presentations in Spanish are an integral part of this course. During the course, students prepare to take the AP exam, the STAMP test for the Seal of Biliteracy, and/or college language placement tests by practicing reading, writing, listening and speaking skills. Students will be required to rely heavily on material learned in previous levels.

H0412; State code: 24055A000

AP Spanish Language and Culture (Full Year)**Grade Level:** 12**Credit:** 1.0**Prerequisite:** B- average in Spanish 3 Accelerated or Spanish 4 Honors

AP Spanish Language and Culture is a continuation of the skills learned in the first three years while focusing on the three modes of communication. An in-depth study of the culture, history and geography of Spanish speaking countries is covered. Short stories and current events are read to increase reading comprehension skills. Advanced grammar is studied as well as previous grammar topics. Advanced conversation and composition are stressed to develop speaking and writing skills in the target language. Class, individual, small group and partner oral presentations in Spanish are an integral part of this course. During the course, students prepare to take the AP exam, the STAMP test for the Seal of Biliteracy, and/or college language placement tests by practicing reading, writing, listening and speaking skills. Students will be required to rely heavily on material learned in previous levels.

H0416; State code: 24064A000

Career and Technical Education (CTE)

Department Chair: Kirstin Murphy, kirstin.murphy@kaneland.org

Required credits for graduation include the following:

Credit is required from the CTE department for graduation:

- 0.5 Credit: Personal Finance (see course options noted with a “f” in the chart below)
- 0.5 Credit: “Career Cluster” orientation class (see course options noted with a “√” in the chart below)

AND

1.0 credit must come from World Languages, Fine Arts, of Career Technical Education

Department Description:

CTE gives high school students the chance to get a head start on preparing for college and careers. In CTE programs, you will learn how core subjects like math, science, and writing are used in real-life. The CTE department is organized in what the state calls “career clusters,” and those clusters are further broken into “career pathways”

Legend for Course Information

As you look at courses in the Pathways, you will notice little marks next to many. Below is what the notations indicate.

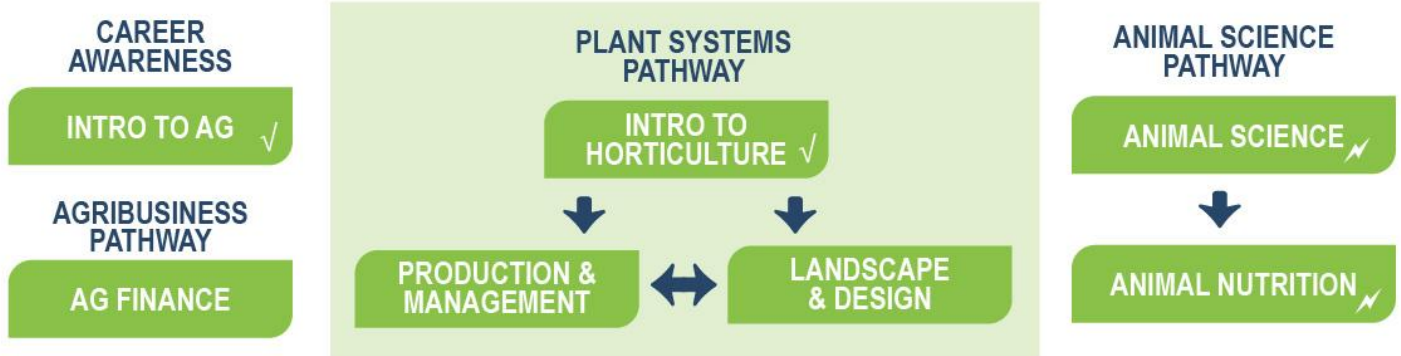
f	Meets Personal Finance Graduation Requirement
√	Meets Orientation Course Graduation Requirement
ŵ	Dual College Credit Course
¥	Articulated Credit
œ	AP Course
▶	Work Based Learning Course
◇	Earns a Certification
↗	Science Credit
\$	College and Career Pathway Endorsement (CCPE)
ö	Course runs only in Odd years, ex: FY25 is 24-25 school year
ë	Course runs only in Even years, ex: FY24 is 23-24 school year

Course Clusters and Pathways

CTE Cluster and Pathway		Course Name	Credits	Year class offered		
				Odd Years	Even Years	Every Year
Agriculture, Food, and Natural Resources (AFNR) Cluster						
All Ag Pathways: Career Awareness	Intro to Agriculture √	0.5				X
Agribusiness Pathway	Ag Finance f	0.5				X
Plant Systems Pathway	Intro to Horticulture	1.0				X
Plant Systems Pathway	Horticulture: Production & Management w̄	2.0	X			
Plant Systems Pathway	Horticulture: Landscape & Design w̄	2.0		X		
Plant Systems Pathway	Horticulture Independent Study: Applications	2.0	X			
Animal Systems Pathway	Animal Science ↗	0.5				X
Animal Systems Pathway	Veterinary Science ↗	0.5	X			
All Ag Pathways	Supervised Agricultural Experience ▶	0.5				X
Human Public Services (HPS) Cluster						
HPS General	Fashion Design	0.5	X			
Education Pathway	Child Development √	0.5				X
Foods Nutrition and Wellness Pathway	Foods and Nutrition 1 √ ◊	0.5				X
Foods Nutrition and Wellness Pathway	Foods and Nutrition 2 ◊	0.5				X
Foods Nutrition and Wellness Pathway	Food Science Honors ◊ ↗	0.5	X			
Finance and Business Services (FBS) Cluster						
FBS General	Intro to Business Computing √ ¥	0.5				X
FBS General	Introduction to Business √	0.5				X
Business Management and Administration	Banking and Finance f	0.5				X
Business Management and Administration	Entrepreneurship f	0.5		X		
Business Management and Administration	Business Management	0.5	X			
Marketing Pathway	Sports and Entertainment Marketing	0.5	X			
Finance Pathway	College Accounting w̄	1.0		X		
Finance Pathway	Personal Finance f	0.5				X
Information Technology (IT) Cluster						
Comp Science Pathway	Computer Science 1 √	0.5				X
Comp Science Pathway	Computer Science 2	0.5				X
Comp Science Pathway	Web Design and Development	1.0		X		
Comp Science Pathway	AP Computer Science A œ	1.0	X			
Arts & Communications (A&C) Cluster						
Graphic Communications Pathway	Graphic Communications 1 √	0.5				X
Graphic Communications Pathway	Graphic Communications 2	0.5				X
Graphic Communications Pathway	Graphic Communications 3	0.5				X
Graphic Communications Pathway	Portfolio: Advanced Graphics w̄ ▶	2.0	X			
Graphic Communications Pathway	Branding: Advanced Graphics w̄ ▶	2.0		X		
Manufacturing, Engineering, Technology and Trades (METT) Cluster						
Engineering Pathway	Engineering 1 √	0.5				X
Engineering Pathway	Engineering 2 ◊	0.5				X
Architecture and Construction Pathway	CAD 1 √ ¥	0.5				X
Architecture and Construction Pathway	CAD 2 ¥	0.5				X
Architecture and Construction Pathway	Construction 1 √	0.5				X
Architecture and Construction Pathway	Construction 2 ◊	0.5		X		
Engineering, Architecture, and CAD Pathways	METT Capstone	0.5	X			
Manufacturing and Trades Pathways	Intro to Mechanics √	0.5				X
Work-based Learning						
CTE All CTE Pathways	Sr. Project/Internship	0.5	X	X		X
CTE All CTE Pathways	Workplace Experience Class ▶	1.0				X
CTE All CTE Pathways	Workplace Experience On-The-Job ▶	1.0				X
	Hope Kitchen Leadership	0.5				X



AGRICULTURE, FINANCE, & NATURAL RESOURCES



Agriculture, Food and Natural Resources

Introduction to Agriculture 1

Grade Level: 9,10, 11, 12

Credit: 0.5

Prerequisite: None

Students participating in the *Intro to AG* course experience hands-on activities, projects, and problems. Student experience involves the study of communication, the science of agriculture, and natural resources. While surveying the opportunities available in agriculture and natural resources, students learn to solve problems, conduct research, analyze data, work in teams, and take responsibility for their work, actions, and learning. For example, students work in groups to determine the efficiency and environmental impacts of fuel sources in a practical learning exercise. The *Intro to AG* course is structured to enable all students to experience an overview of the fields of agricultural science and natural resources so that students may continue through a sequence of courses through high school. The knowledge and skills students develop will be used in future courses within the AG program. In addition, students will understand specific connections between their lessons and Supervised Agricultural Experience and FFA components that are important for the development of an agricultural education student. Students investigate, experiment, and learn about documenting a project, solving problems, and communicating their solutions to their peers and members of the professional community. Participation in FFA and Supervised Agricultural Experience (SAE) projects may also be obtained through enrollment in this course.

H3039; State code: 18001A001

Agribusiness Pathway

Ag Finance

Grade Level: 10, 11, 12

Credit: 0.5

Prerequisite: None

Ag Finance introduces students to business management in agriculture. Mathematics, reading, and writing components are woven in the context of agriculture and students will use the introductory skills and knowledge developed in this course throughout subsequent AG courses. Throughout the course there are practical and engaging activities, projects, and problems to develop and improve business and employability skills. Additionally, students investigate and develop viable business plans in order to solve local problems. The business plan ideas are communicated to student peers and members of the professional community. Course topics include starting a business, financial documents, risk management, and writing a business plan. Special attention will be placed on the operation of farm and non-farm agricultural business firms engaged in input supply, advisory and financial services, processing, marketing, and distribution of food and agricultural commodities. Portions of the course will also be devoted to the study of economics in a broader/global sense. This course meets all state requirements for consumer education credit and can be taken in lieu of Personal Finance, which is required for graduation. Participation in FFA and Supervised Agricultural Experience (SAE) projects may also be obtained through enrollment in this course.

H2094; State code: 18201A001

Plant Systems Pathway

Intro to Horticultural Science (Full Year)

Grade Level: 9, 10, 11, 12

Credit: 1.0

Prerequisite: None

VALEES #A125 This year long course is designed to develop knowledge and skills in the following areas: careers in the field of horticulture, plant taxonomy, anatomy and physiology, plant environments and growth responses, soils, nutrition, fertilizers, propagation, greenhouse crops, indoor plants, turf and landscape maintenance, landscape design, pruning, planting trees and shrubs, pest controls, seasonal gift plants, floral design basics, and flower and vegetable gardening. Emphasis will be placed on entry-level employability skills. This course is accepted as a Kaneland High School science credit and is accepted as a science course on college transcripts; however, this class does not qualify as one of the NCAA Clearinghouse Core Course approvals for Division I. & II. Athletic Scholarships. This course may offer the possibility to earn dual credit through Kishwaukee Community College (KCC), for up to six credit hours. Three KCC credit hours may be obtained during the fall semester and three KCC credit hours may be obtained during the spring semester. Students who take this class are qualified to join the National FFA organization. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

H0741; State code: 18052A001

Horticulture: Production & Management

Grade Level: 10, 11, 12

Credit: 2.0

Prerequisite: B+ in Intro to Horticulture

Offered in odd years

This course offers instruction in landscaping, greenhouse, indoor plant care, floral design and tissue culture. Units of study during the first semester include plant science, landscape maintenance and pruning, landscape design and installation, and holiday floral design and sales. Second semester features greenhouse crops, care and handling of cut flowers, floral design, tissue culture, propagation, marketing and sales. This is a project-based course, so students will be able to work on horticulture projects in their area of interest. Improving computer and workplace skills will be a focus. Participation in FFA activities (high school agriculture student organization) and SAE (Supervised Agricultural Experience) projects are integral course components for leadership development, career exploration and reinforcement of academic concepts.

H0745; State code: 18051A001

Horticulture: Landscape Design

Grade Level: 10, 11, 12

Credit: 2.0

Prerequisite: B+ in Intro to Horticulture

Offered in even years

This course focuses on the landscape, nursery and turf segments of the horticulture industry. Units of study include identifying landscape plants, designing landscape plans using computer design programs, hardscape construction techniques, and installing landscape plants. Agribusiness units will cover calculating prices for work, managing a horticulture business, advertising and sales. Improving computer and workplace skills will be a focus. Participation in FFA (high school agriculture student organization) activities and SAE (Supervised Agricultural Experience) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

H0746; State code: 18054A001

Horticulture Independent Study: Applications

Grade Level: 12

Credit: 2.0

Prerequisite: A in Horticulture: Production & Management, A in Horticulture: Landscape Design; approved focus area of study

This course is designed to establish knowledge and skills in a specific horticulture career pathway. Students will establish a project outline that helps the student to earn a certificate, licensure, or equivalent during the course. Example projects may include, but are not limited to floral certification, Illinois Certified Nurseryman, Commercial Pesticide Applicators License. Students will be required to verify their experiences by keeping written or computerized records including daily activities and any accomplishments towards earning their certification, licensure, or equivalent. This course is designed to prepare students to have a specific skill set to be workplace-ready at the conclusion of the course.

H0744; State code: 18997A002

Animal Systems Pathway

Animal Science

Grade Level: 10, 11, 12

Credit: 0.5

Prerequisite: C+ in Biology

This life science course is designed to reinforce and extend students' understanding of science by associating scientific principles and concepts with relevant applications in agriculture. Students will examine major phases of animal agriculture and specific biological science concepts that govern management decisions in the animal industry. Topics of study are in the areas of growth and development of animals – embryology, ethology, nutrition, immunity systems, and processing animal products – preservation, fermentation, and pasteurization. The course will be valuable preparation for further education and will increase the relevance of science through the applied setting of agriculture by enhancing literacy in science and the scientific process. Improving computer and workplace skills will be a focus. Students who take this class are qualified to join the National FFA organization. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

H0721; State code: 18101A003

Veterinary Science

Grade Level: 10, 11, 12

Credit: 0.5

Prerequisite: C+ in Biology

This life science course is designed to prepare students for careers in animal health and nutrition. In the course, students will be able to apply animal health and nutrition concepts using scenarios, models, and labs. Students will explore topics of digestion, feeding, feedstuffs, veterinary science, animal diseases, animal handling, and veterinary procedures. This course is beneficial for students seeking careers such as veterinarian, feed mill operator, animal nutritionist, pet groomer, and more. Improving computer and workplace skills will be a focus. Students who take this class are qualified to join the National FFA organization. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

H0722; State code: 18105A001

Work-Based Learning

Supervised Agricultural Experience

Grade Level: 10, 11, 12

Credit: 0.5

Prerequisite: C or above in any approved Ag course & currently active in FFA

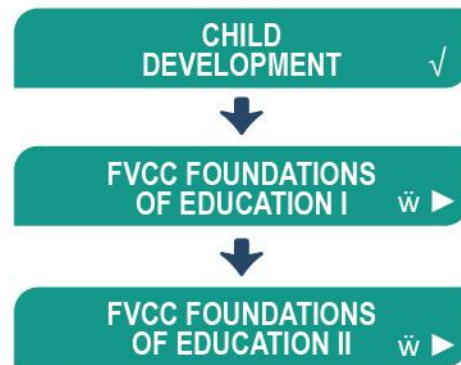
This course is designed to establish knowledge and skills in various agricultural careers. Students will gain credit by establishing a project at their home, at a local business, or at their school usually after normal school hours. Example projects may include, but are not limited to, working at a garden center, raising vegetables/grain/livestock, conducting agricultural experiments in a greenhouse, and training horses at a stable. Students will be required to verify their experiences by keeping written or computerized records including business agreements, budgets, inventories, daily activities, hours worked, income and expenses, total earnings, depreciation, and net worth. Instructor supervision will be conducted at the student's home or place of employment. SAE records should be evaluated at least once per month. In addition, SAE lessons are integrated in each agricultural course. SAE participation can lead to full time employment, scholarships, and awards through the FFA. This course does not count as a class in a student's schedule. Credit will be awarded in either January or August based upon when the student completes the requirements for the experience. (To receive 0.5 credits, students must complete 60 or more hours of documented workplace experience.)

H0861; State code:18997A000

FOODS, NUTRITION & WELLNESS



EDUCATION COLLEGE and CAREER PATHWAY ENDORSEMENT



Human and Public Services

Fashion Design

Grade Level: 9, 10, 11, 12

Credit: 0.5

Prerequisite: None

Offered in odd years

This course provides opportunities to develop knowledge and understanding of textiles, fabric trends, fashions as related to customer needs, emphasis on color, line and design in fashion. In this class, the student will learn to operate a modern sewing machine and a serger. The student will gain knowledge and skill at hand sewing, machine sewing and will be able to apply the basics of designing and creating useable products. Students are required to supply their own fabric and notions.

H3020; State code: 19201A001

HOPE Kitchen Leadership

Grade Level: 11, 12

Credit: 0.5

Prerequisite: Students in this course are selected after submitting a formal application and interview with the CTE and Special Education Departments

This is a companion course for the Culinary Kitchen. The students enrolling would be providing mentorship to students with special education needs in life-skills. The general education student will learn how to appropriately interact with students with diverse learning styles and educational backgrounds. This course is best offered to students who are interested in working as an educator in the future, particularly with students with disabilities, or who are interested in working with people with special needs in general.

H0909; State code: 19295A000

Education Pathway

Child Development

Grade Level: 9, 10, 11, 12

Credit: 0.5

Prerequisite: None

This course provides an overview of the theory and principles of human growth and development from conception through adolescence. Topics include developmental theories, human reproduction, prenatal development, and childbirth. This early care and education training introduces students to general child development, health and safety, environments for children (infants through school age), and the importance of relationships with children and their families. The students will gain knowledge about the physical, mental, emotional, and social growth and development of children from conception to school age. This course is required for the Foundations of Education College and Career Pathway Endorsement.

H3084; State code: 19052A001

Foods, Nutrition, and Wellness Pathway

Foods and Nutrition 1

Grade Level: 9, 10, 11, 12

Credit: 0.5

Prerequisite: None

This course includes basic classroom and laboratory experiences needed to develop knowledge and understanding of basic food principles and applied nutrition for people of all ages. The course content centers on food preparation using the decision-making process and meeting basic needs by applying nutrition concepts and meeting health and safety standards. Areas of study would include nutrition, measuring, safety & sanitation, yeast and quick breads, eggs and dairy, fruit and vegetables.

Students must pass the safety exam in order to remain in class. If not passed after the third (3) attempt a student will be dropped from the course.

H3050; State code: 16054A001

Food and Nutrition 2

Grade Level: 10, 11, 12

Credit: 0.5

Prerequisite: Foods and Nutrition 1

This foods class is a progression of concepts and theories introduced in Food I along with new techniques and practices. Students will focus on meats, soups, and sauces. Unique laboratory sessions will include cook-offs, making fresh pasta from scratch, and more ***Students must pass the safety exam in order to remain in class. If not passed after the third (3) attempt a student will be dropped from the course.***

H3051; State code: 16054A002

Food Science Honors

Grade Level: Honors 11,12

Credit: 0.5

Prerequisite: Foods and Nutrition 1 and two years of science (Biology and Physical Science or Chemistry)

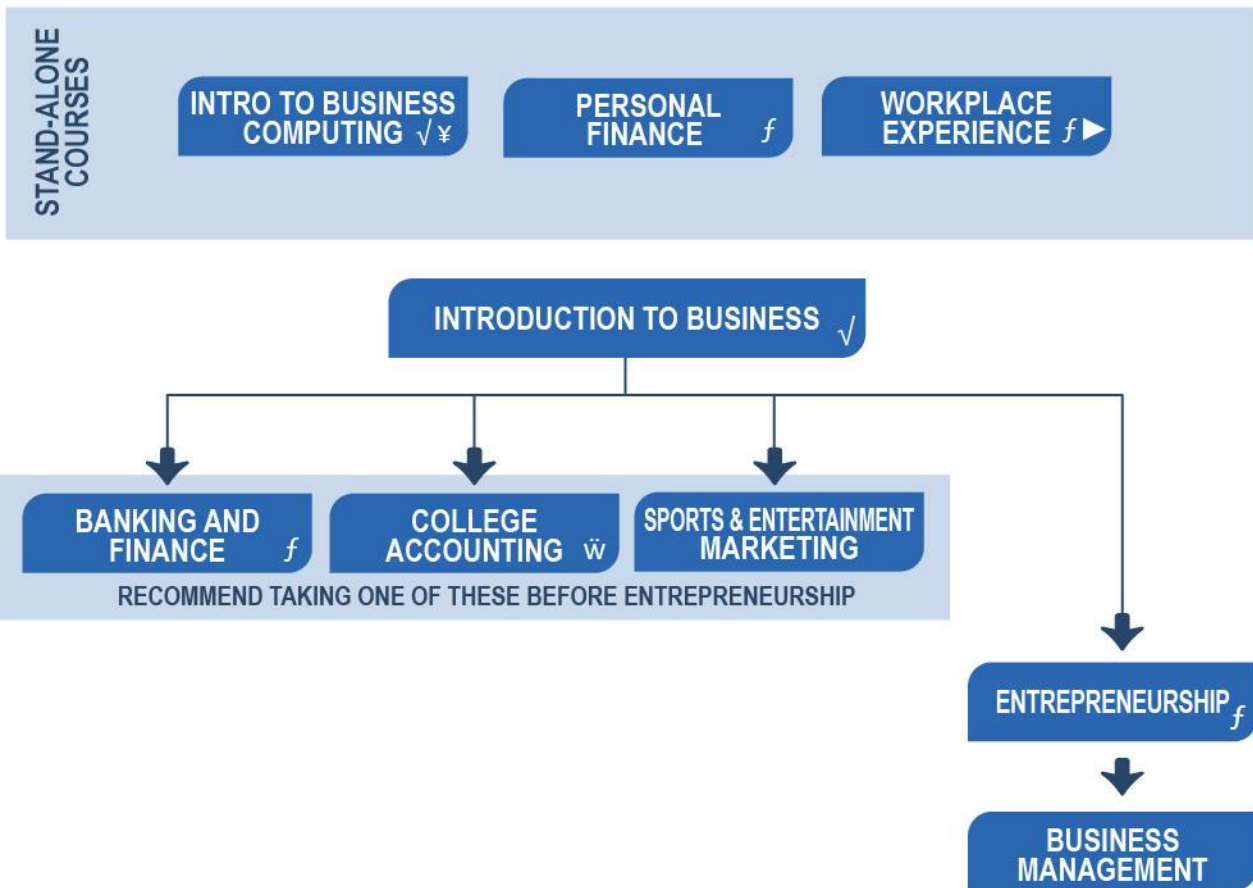
Offered in odd years

Students will learn the science behind cooking and baking as they practice their skills to taste the difference when reactions work and when they don't. This course prepares individuals to use the scientific process to study the biological and chemical basis for food fermentation, preservation, processing, and preparation. Students develop laboratory skills in measuring, writing, analyzing data, and reasoning skills to explore the interrelationship of food science to the other sciences. Experimental methods are used to analyze food mixtures, food microbiology, fermentation, sensory processes, the preservation of foods and complex food systems. Technology is studied as it relates to product development, consumer needs and experimental designs. Emphasis is placed on emerging careers in food science and biotechnology and the application of food science in food service, nutrition, dietetics, and product development. ***Students must pass the safety exam in order to remain in class. If not passed after the third (3) attempt a student will be dropped from the course.***

H3049; State code: 19254A000



FINANCE & BUSINESS SERVICES



Finance and Business Services

Intro to Business Computing

Grade Level: 9, 10, 11, 12

Credit: 0.5

Prerequisite: None

Students will reinforce their touch control and technique of operating the keyboard. Development of speed, accuracy, proofreading and editing skills will be continually emphasized. Microsoft Office and Google will be used to format basic business documents while utilizing and enhancing their word processing skills. Students will explore spreadsheet applications by entering data, setting up formulas and creating charts and graphs. Various presentation software will allow students to develop multimedia presentations. A career unit will be used to explore careers, post- high school graduation options.

H2015; State code: 10004A001

Introduction to Business

Grade Level: 9, 10, 11, 12

Credit: 0.5

Prerequisite: None

Intro to Business surveys an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization. Introductory Business courses may also expose students to the varied opportunities in secretarial, accounting, management, and related fields. Areas of study include, but are not limited to, business in our economy, business structures, management, entrepreneurship, human resources, marketing, & sales. Business communications and computations are integrated and emphasized throughout the course.

H3042; State code: 12051A001

Banking and Finance

Grade Level: 9, 10, 11, 12

Credit: 0.5

Prerequisite: Introduction to Business

Banking and Finance is a course designed to introduce students to finance. Areas of study include stocks and the stock market, mutual funds, bonds, investment theories, what credit is and efficient use of it, insurance and risk management practices, services banks offer, money management, time value of money concepts, and the role of the Federal Reserve and how they affect our economy through monetary policy. Banking and Finance courses provide students with an overview of the United States' monetary and banking systems, as well as types of financial institutions and the services and products that they offer. Course content may include government regulations; checking, savings, and money market accounts; loans; investments; and negotiable instruments. Business communications and computations are integrated and emphasized throughout the course. Completion of Business I and Business 2 meet the Economics and Financial Literacy (Consumer Education/Economics) Illinois State and Kaneland School District requirements.

H3043; State code:12101A001

Marketing Pathway

Sports and Entertainment Marketing

Grade Level: 10, 11, 12

Credit: 0.5

Prerequisite: Introduction to Business

Offered in odd years

This course will provide students with a thorough understanding of the marketing concepts and theories that apply to sports and sporting events and entertainment. The areas this course will cover include basic marketing, target marketing and segmentation, sponsorship, event marketing, promotions, sponsorship proposals, and implementation of sports and entertainment marketing plans. This course will also provide students with an opportunity to develop promotional plans, sponsorship proposals, endorsement contracts, sports and entertainment marketing plans, and evaluation and management techniques. Students will gain career skills by engaging in a business simulation applying the knowledge and skills gained throughout the course to create a product and market the product.

H3045; State code: 12163A000

Entrepreneurship and Business Management Pathway

Entrepreneurship

Grade Level: 11, 12

Credit: 0.5

Prerequisite: Introduction to Business required, additional Business course recommended

Offered in even years

Entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in Business Management courses may also be included. Every unit of study in the course will be looked at through the eyes of a business owner. Units of instruction include economic trends, business organization, human relations, ethics, management, marketing, finance, and international business. This course meets the Economics and Financial Literacy (Consumer Education/Economics) Illinois State and Kaneland School District requirements when taken after Introduction to Business.

H3125; State code: 12053A001

Business Management

Grade Level: 11, 12

Credit: 0.5

Prerequisite: Entrepreneurship

Offered in odd years

Business Management courses acquaint students with management opportunities and effective human relations. These courses provide students with the skills to perform planning, staffing, financing, and controlling functions within a business. In addition, they usually provide a macro-level study of the business world, including business structure and finance, and the interconnections among industry, government, and the global economy. The course may also emphasize problem-based, real-world applications of business concepts and use accounting concepts to formulate, analyze, and evaluate business decisions.

H3047; State code: 12052A001

Accounting Pathway

College Accounting (Full Year)

Grade Level: 11, 12

Credit: 1.0

Prerequisite: Introduction to Business

Offered in even years

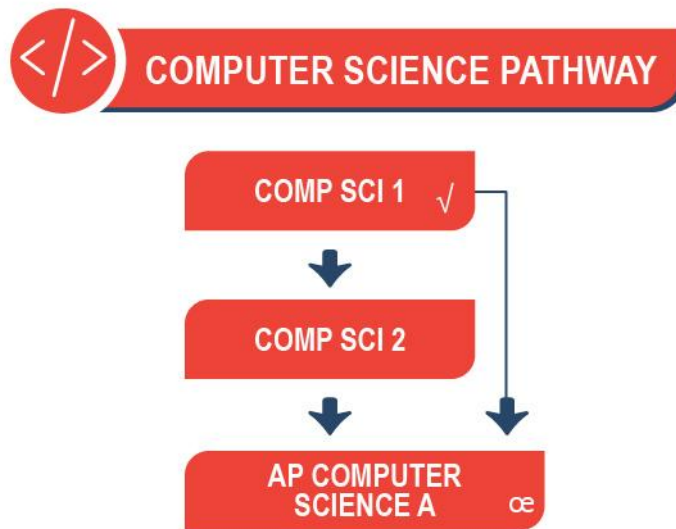
This introductory accounting course emphasizes the development of a firm foundation in fundamental accounting procedures using the accounting cycle of a small business organized as a sole proprietorship. Topics include transactions analysis, financial statements, the accounting cycle of service and merchandising firms, accounting for bank accounts, cash funds, accounts receivable, notes receivable, notes payable, inventory, long-term assets and introduction to accounting for corporations. Text and Workbook fee, Waubonsee Community College articulated Credit Fee. Students may acquire 3 semester hours of articulated college credit for ACC101 at Waubonsee Community College.

H3002; State code:

*Economics***Personal Finance (Consumer Education)****Grade Level:** 11, 12**Credit:** 0.5**Prerequisite:** Required Course

This course provides students with the tools necessary to understand and function successfully in a complex economic system. It focuses on the economy of the United States and its role as a world economic power. Topics include Economic systems, credit, budgeting, and banking products such as saving, checking and investing accounts. Topics also studied are the role of the government in economic regulation, and the impact of globalization on world economics. This course includes topics mandated by the state for consumer education. See the list on the first page of the CTE section to know what courses can count for this requirement.

H2099; State code: 19262A000



Information Technology

Computer Science Pathway

Computer Science 1

Grade Level: 9, 10, 11, 12

Credit: 0.5

Prerequisite: None

This introduction to computer science includes learning the basics of how computers work and Object-Oriented programming. Topics include the binary system, decision trees, networks, data types, operations on variables, user input, console output, conditionals, loops, lists, and coding conventions. A project-based approach will be used for assessment of skills.

H2012; State code: 10012A001

Computer Science 2

Grade Level: 9, 10, 11, 12

Credit: 0.5

Prerequisite: Computer Science 1

This course is intended for students who have completed Computer Science 1 and wish to continue to develop their computer science skills. Students will continue to use object-oriented programming to learn concepts such as modules, functions, classes and inheritance, exception handling, advanced string methods, advanced data handling, cybersecurity, and algorithm development. Students will be able to write, run, test and debug applications that solve real world problems. A project-based approach will be used for assessment of skills.

H2013; State code: 10011A001

Web Design and Development (Full Year)**Grade Level:** 10, 11, 12**Credit:** 1.0**Prerequisite:** Computer Science 1*Offered in even years*

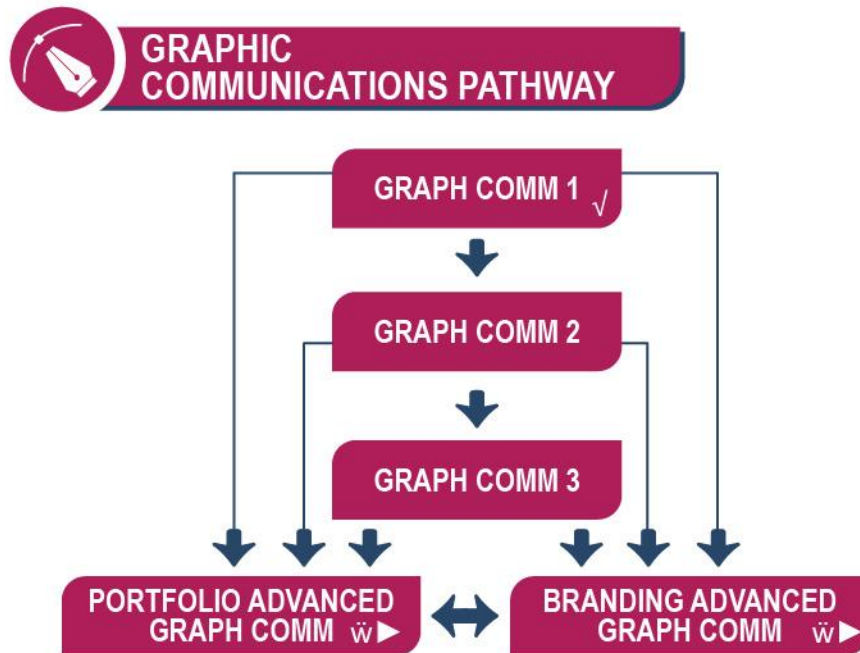
This course is intended to teach students the fundamentals of web design and development in a project-based learning environment. Students will learn the basic elements of web development, such as web hosting, creating HTML/CSS files, and incorporating Javascript into HTML files. Over the school year, students will collaboratively and independently design, develop, and implement functional and responsive web pages using these foundational skills. The content is fully web-based, with students writing and running code in a web browser.

XXXXX; State code: XXXXXXXXX

AP Computer Science A (Full Year)**Grade Level:** 11, 12**Credit:** 1.0**Prerequisite:** Computer Science 1*Offered in odd years*

AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language. This course will prepare students to take the AP Computer Science A exam.

H2011; State code: 10019A001



Arts & Communications

Graphic Communications Pathway

Graphic Communications 1: Fundamentals

Grade Level: 9, 10, 11, 12

Credit: 0.5

Prerequisite: None

This introductory course will teach students to effectively communicate ideas with both digital and printed media. Students will learn the basics of computer graphics, digital illustration, typography, layout design, idea development, product design, and print production with industry standard resources. The projects explore a variety of skills, techniques, media, and occupations related to the graphic communications industry. Students explore themes important to them, while exploring this exciting field.

H3096; State code: 11154A003

Graphic Communications 2: Skills and Media Output

Grade Level: 9, 10, 11, 12

Credit: 0.5

Prerequisite: Graphic Communications 1

This course builds upon skills learned in Graphic Communications 1 and provides students with the skills needed for a career in the fields of advertising, commercial art, graphic design, and graphic illustration (including animation). Students work in a project-based environment to create a variety of digital and print media through exploration of logos, packaging, and printed products. Students learn to apply artistic design and layout principles along with text, graphics, drawing, animation, and illustration for print & digital products. Products vary but topics will include designing concepts and creation in the core areas of; Screen printing, Digital Printing, Vinyl Cutting, Large Format Printing, Dye Sublimation, and 3D Laser Cutting. This is a highly interactive, hands-on course and students should prepare for an onslaught of current trends in technology and projects galore. This course can help a student decide if they want to pursue a career in the Graphics industry. **Students must pass the safety exam in order to remain in class. If not passed after the third (3) attempt a student will be dropped from the course.**

H3097; State code: 10202A001

Graphic Communications 3: Scenario

Grade Level: 10, 11, 12

Credit: 0.5

Prerequisite: Graphic Communications 2

After completing Graph Comm 2, now is the time to practice and hone your design and output skills. You will be given multiple design scenarios and the opportunity to determine techniques, personal style and client needs while in a studio environment. This course provides students with the opportunity to use the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, print, and digital outlets. This course will ensure students develop advanced graphics related skills that will support transition to college or entry level work in the field of graphic communications. Focus will be given to students' post-secondary interests.

H3116; State code: 11154A002

Portfolio: Advanced Graphics

Grade Level: 11, 12

Credit: 2.0

Prerequisite: Graphic Communications 1

Offered in odd years

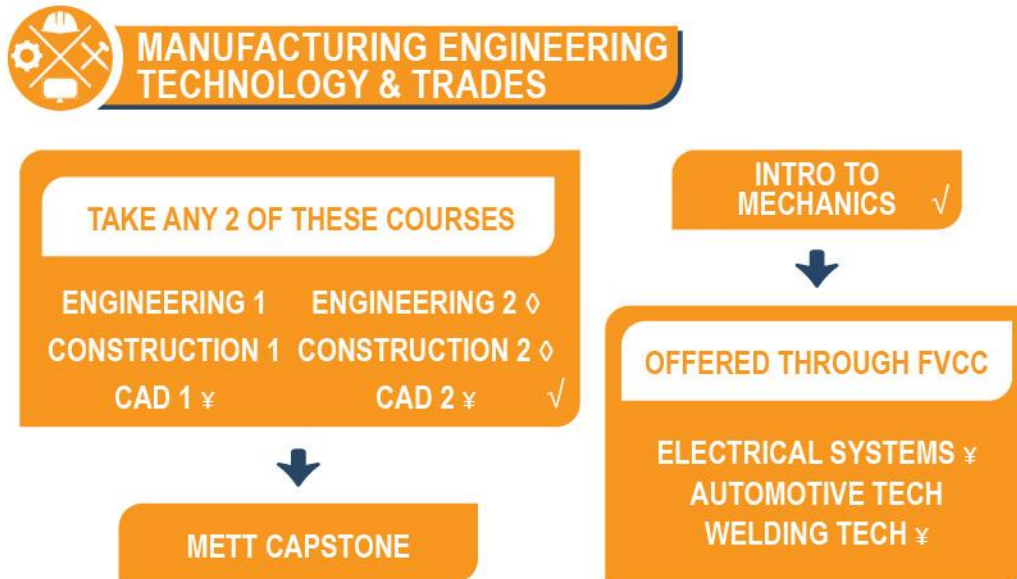
Portfolio: Advanced Graphics will take your design and media output experience to the real world. Students are given live production jobs from all different types of clients which will give the student work-based experience and help build their portfolio. Learning to work with clients to execute their needs while providing a quality finished product is the main focus. You will also continue to build your design skills, further your career education opportunities, plan for your future, learn about legal protection and responsibilities, learn about costs associated with a job, job planning, organization, and job delivery. Students will create a portfolio of work that serves as an application into post-secondary programs, internships and/or entry level work. This course is offered alternating years with Branding: Advanced Graphics and offers Dual Credit with College of DuPage.

H3099; State code: 11048A001

Branding: Advanced Graphics**Grade Level:** 11, 12**Credit:** 2.0**Prerequisite:** Graphic Communications 1*Offered in even years*

Branding: Advanced Graphics will take your design and media output experience to the real world. Students are given live production jobs from all different types of clients which will give the student work-based experience and help build their portfolio. Learning to work with clients to execute their needs while providing a quality finished product is the main focus. Students will build their graphics experience with real world client work while reflecting on the influence of branding with the work they do. Students will create work to include in their portfolio with a focus on branding themselves for advancement towards post-secondary programs, internships and/or entry level work. This course is offered on alternating years with Portfolio: Advanced Graphics and offers Dual Credit with College of DuPage. ***Students must pass the safety exam in order to remain in class. If not passed after the third (3) attempt a student will be dropped from the course.***

H3100; State code: 11048A001



Manufacturing, Engineering, Technology and Trades

Intro to Mechanics

Grade Level: 9,10,11,12

Credit: 0.5

Prerequisite: None

This is a one-semester introductory course. Students will become familiar with the automotive, small engines and welding industries, and other related fields that require a similar skill set. This class will consist of approximately 6 weeks of instruction in each area and will be 75% hands-on in the lab. This course will provide a variety of experiences, which will allow students to make informed decisions about which area they would like to pursue skills that are more advanced. This class will help students develop a Personalized Education Plan for themselves as they prepare to become College, Career and Community ready. **Students must pass the safety exam in order to remain in class. If not passed after the third (3) attempt, a student will be dropped from the course.**

H3068 State code: 21052A002

Engineering Pathway

Engineering 1: Introduction to Engineering Design

Grade Level: 9, 10, 11, 12

Credit: 0.5

Prerequisite: None

This course serves as an introduction to engineering concepts and methodologies using a systems approach (Identify Problem, Research, Develop Solutions, Construct Prototype, Evaluate Solution, Redesign if needed). The many different engineering disciplines will be explored. Students will begin to develop analytical and data decision skills in this class and acquire necessary engineering computer skills.

H3007; State code: 21006A001

Engineering 2: Principles of Engineering

Grade Level: 10, 11, 12

Credit: 0.5

Prerequisite: Engineering 1

This course expands the skills needed in the Engineering Systems approach. Students will act as project managers as they select projects and justify the plan and implementation of what they create.

H3008; State code: 21004A001

Architecture and Construction Pathway

CAD 1

Grade Level: 9, 10, 11, 12

Credit: 0.5

Prerequisite: None

CAD Computer Aided Design /Drafting and Technical drawing is a combination of both traditional drafting interspersed with multiple CAD Programs. In the CAD drafting course, we cover product design and architecture design drafting using the computer and traditional methods. This course is recommended for students who wish to pursue architecture, engineering, or product design.

H3011; State code: 21102A002

CAD 2 and Architectural Drafting

Grade Level: 10, 11, 12

Credit: 0.5

Prerequisite: CAD 1

This course is a continuation of CAD 1. The student will gain knowledge and understanding of the unique hardware and software used in design and engineering fields. The following knowledge and skills will be developed: manipulating CAD files, drawing 2-dimensional geometric construction, editing CAD geometry, annotating CAD drawings with text, creating and editing CAD symbols and creating multi-view scaled layouts. This course is recommended for students who wish to pursue architecture, engineering, or computer design as a career and offers 3 hours of articulated credit at Waubonsee Community College.

H3010; State code: 21102A001

Construction 1

Grade Level: 9, 10, 11, 12

Credit: 0.5

Prerequisite: None

This course will focus on the foundations of construction trades. Students will learn and practice basic safety skills. They will need to understand and demonstrate basic math skills. Students will be introduced to different hand tools and be able to recognize and demonstrate each one. They will also be introduced to power tools and be able to recognize and demonstrate each one. Students will learn how to read, draw and explain blueprints and technical drawings. **Students must pass the safety exam in order to remain in class. If not passed after the third (3) attempt a student will be dropped from the course.**

H3004; State code: 17001A001

Construction 2: Trades & Certifications

Grade Level: 10, 11, 12

Credit: 0.5

Prerequisite: Construction 1 or teacher recommendation

Offered in even years

This preparation course provides experience related to the repair, erection, and installation and maintenance of residential buildings and related fixtures. Planned learning activities will allow students to become knowledgeable of fundamental principles and methods and to develop technical skills related to carpentry. Instruction includes safety principles and practices, recognition of standard lumber sizes, foundation layout methods, building concepts and procedures, local, state and national codes, cost estimating and blueprint reading. Emphasis will be placed upon entry-level employability skills, acceptable work habits, safety, communications, personal relationships and entrepreneurship. OSHA 10 certification is offered as part of the course.

H3005; State code: 17002A001

METT Capstone

Grade Level: 11, 12

Credit: 0.5

Prerequisite: Any two METT Courses.

Offered in odd years

This course provides students with an overview of the fields of Civil Engineering and Architecture/Construction while emphasizing the interrelationship of both fields. Students typically use software to address real world problems and to communicate the solutions that they develop. Course topics typically include the roles of civil engineers and architects, project-planning, site-planning, building design, project documentation, and presentation.

H3009; State code: 21012A001

Work-Based Learning

Workplace Experience

Grade Level: 11, 12

Credit: 1.0

Prerequisite: Student must be 16 and have a job, on the first day of the course and complete a selection process which includes an application and personal interview. Senior status will be given additional consideration.

Students must concurrently enroll in **Workplace Experience On The Job**. Workplace Experience targets two groups of students: students who are undecided about a career path and who would benefit from a work-based experience in the community, and students who have a career plan and would like to explore their options in a field relating to Business, Family and Consumer Science, Trade and Industrial Technology, Health, or Agriculture. Workplace Experience Class provides instruction in a variety of areas: personal finance, developing career awareness and related skills necessary to make viable career choices; interpersonal, teamwork, and leadership skills; and good employee skills. Completing the full year course satisfies the Personal Finance graduation requirement.

H3112; State code: 12098A002

Workplace Experience on the Job**Grade Level:** 11, 12**Credit:** 1.0**Prerequisite:** Student must be 16 and have a job, on the first day of the course and complete a selection process which includes an application and personal interview. Senior status will be given additional consideration.

This class is taken concurrently with **Workplace Experience Class**. It permits seniors and juniors to earn money and gain valuable experiences through coordinator approved related occupations (jobs). Students must work outside of school, working a minimum of 15 hours per week. Students that are on track for graduation and are ready to meet our mission statement may be dismissed early to go to work.

H3113; State code: 22153A001

Independent Studies

Internship & Assistantship

Senior Project - Internship

Grade Level: 12

Credit: 0.5

Prerequisite: None

The Senior Project/Internships is an experience available to eligible seniors whose proposal is approved by a review committee. The experience must be in one of the following areas: a career internship, an academic or service endeavor, or a creative art experience. Opportunities will be developed through the instructor and the Kaneland-Business Partnership Program. Students are also able to utilize their own resources to gain employment. Pass/Fail grades will be given for this experience.

H1020; State code: 22004A001

Senior Assistantship (Pass/Fail only)

Grade Level: 12

Credit: 0.5

Prerequisite: None

This independent course is for students who wish to assist the school in a variety of ways. This may include working in an office, working with a teacher, including assisting students with homework, or perhaps working with the entire department. This program requires maturity and responsibility from the students. They must be a senior with a 2.0 GPA or higher, with no more than four (4) unexcused absences the previous semester. Discipline history will also be reviewed on the application. Students may take this course once for credit.

H1015; State code: 22995A000

Fox Valley Career Center

To register for articulated courses with Fox Valley Career Center (FVCC), talk to your counselor.

To pre-register for a FVCC class, please click here: [FVCC Course Request Form](#)

Course	Grade	Type	Terms	Credits	Pre-requisites
Automotive Technology I	11,12	R	Full year	2.5	Like to work on cars, team player, solid reading & math skills
Automotive Technology II	12	R	Full year	2.5	Auto Tech I and teacher rec.
Basic Nurse Assistant Training	11,12	R	Full year	2.5	lift 50lbs, 16 or older, good physical health & emotional maturity, provide own transportation
Clinical Experience in PreK-12 Education	12	R	Full year	2.5	Foundations of Education I and teacher rec.
Cosmetology I	11,12	R	Full year	3	Like working w/hands, keep up with latest trends, social & enthusiastic
Cosmetology II	12	R	Full year	3	Cosmetology I and teacher rec.
Criminal Justice/Law Enforce	11,12	R	Full year	2.5	Social, detail-oriented, crim. background & drug/alcohol screening
Cybersecurity	11, 12	R	Full year	2.5	Work independently, have an interest in computers, have average math skills
Directed Study	12	R	Full year	2.5	teacher recommendation
Electrical Systems I	11,12	R	Full year	2.5	Enjoy working with your hands, assemble & build, good hand-eye coordination, can work as part of a team or alone
Electrical Systems II	12	R	Full year	2.5	Electrical Systems I and rec.
Emergency Medical Responder (EMR)	11	R	Full year	2.5	
Emergency Medical Tech (EMT)	12	R	Full year	2.5	B in Biology, TB test, proof of vaccines, drug screening, background check
Exploring Medical Careers (EMC)	11,12	R	Full year	2.5	Enjoy caring for people, in good physical health & emotional maturity, provide own transportation
Fire Science I	11,12	R	Full year	2.5	Enjoy a physical challenge & remain calm under pressure
Fire Science II	12	R	Full year	2.5	Fire Science I and rec.
Game Program & Technology	11,12	R	Full year	2.5	Work independently, have an interest in computers, have average math skills
Introduction to Careers in Public Education	10, 11, 12	R	Full year	2.5	
Introduction to PreK-12 Education	11,12	R	Full year	2.5	Flexible, energetic, interested in planning & leading activities for students of all ages
PC Repair & Comp Sci Prin.	11,12	R	Full year	2.5	Work independently & have an interest in computers
Small Engine Technology I	11,12	R	Full year	2.5	Enjoy problem-solving, detail work, & have good manual dexterity
Small Engine Technology II	12	R	Full year	2.5	Small Engine Tech. I & teacher rec.
Web Development	11,12	R	Full year	2.5	Work independently & have an interest in computers
Welding I	11,12	R	Full year	2.5	Be accurate & careful, good eye-hand coordination, good manual dexterity
Welding II	12	R	Full year	2.5	Welding I and rec.
Project Lead the Way courses					
Principles Biomedical Sciences: PBS	9,10,11,12	R	Full year	1	Have an interest in health science or research, love to solve real-world problems like a CSI detective
Human Body Systems: HBS	10,11,12	R	Full year	1	Can take PBS & HBS at same time, like to visualize or illustrate body systems in fun, creative ways
Medical Interventions	11,12	R	Full year	1	Human Body Systems