



Extraordinary Educational
Experiences

Career Planning & Education Guide
Grades 9, 10, & 11
2023-2024



Griffins
WINNETONKA
HIGH SCHOOL

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Table of Contents

Message from the Superintendent	6
High School Individual Career and Academic Plan (ICAP)	7
Pathways	7
Diploma Options.....	7
Middle School Classes Counting for High School Credit.....	7
Diploma Credits Required	8
Credit Recovery & Grade Replacement.....	8
Career/College Readiness Diploma	9
Gold Medallion Honors Diploma	10
AP Capstone Diploma	12
Grade Point Average (GPA)	13
Weighted Courses	13
Class Rank	13
Students in Academically Gifted Education (SAGE).....	14
Honors Classes/College Readiness	14
How Do I Decide?	14
North Kansas City Schools Catalyst	15
Advanced Placement Programs.....	15
Classes for College Credit (Dual Credit).....	16
Transferability of Credit.....	16
Project Lead the Way (PLTW).....	16
Seal of Biliteracy	17
Online Learning Fueled by Launch	17
Launch Courses.....	18
Missouri Course Access Program (MOCAP).....	18
Other Programs	19
English Language Learners (ELL).....	19
Programs for Students with Disabilities	20
Special Services Courses.....	21
Preparing for Secondary Choices	26
A+ Schools Program.....	26
ACT and SAT.....	27

College Admission Tests	27
NCAA Eligibility Center	28
Division I Academic Standards.....	28
Division II Academic Standards.....	29
Enrollment	30
Enrollment Process.....	30
Schedule Changes.....	30
Adding Classes	30
Dropping Classes	30
Counselors and Gifted Resource Specialists.....	31
College & Career Pathways	32
School of Business, Leadership and Entrepreneurship	33
School of Design, Innovation and Technology	34
School of Health and Wellness.....	35
9 th Grade Courses	36
10 th Grade Courses	37
10 th Grade Courses (continued).....	38
11 th Grade Courses	39
11 th Grade Courses (continued).....	40
12 th Grade Courses	41
12 th Grade Courses (continued).....	42
English Language Arts.....	43
Mathematics.....	48
Science.....	52
Social Studies	57
Technical Core	62
School of Human Services	62
School of Business, Leadership and Entrepreneurship	63
School of Design, Innovation and Technology	65
School of Health and Wellness.....	67
Global Language	69
French.....	69
Spanish	70
Fine Arts.....	71
Art.....	71
Instrumental Music	73

Vocal Music.....	74
Theater	75
Physical Education & Health.....	77
Practical Arts – Business & Marketing.....	79
Practical Arts – Engineering & Industrial Technology	83
Practical Arts - Journalism	85
General Electives	88
CTEC - Career and Technical Education Center	92
Practical Arts – Family & Consumer Science	93
Metropolitan Community College.....	97
Advanced Technical Skills Institute	97
Early College Program	97
Off Campus Programs: Northland CAPS.....	99
Off Campus Programs: Class Act Coffee.....	101
Off Campus Programs:.....	102
Northland Career Center (NCC).....	102
Agriculture, Food, and Natural Resources	102
Architecture & Construction	103
Hospitality and Tourism.....	103
Health Sciences.....	104
Human Services	104
Information Technology	105
Law, Public Safety, Corrections, and Security	105
Transportation, Distribution, and Logistics	105
Manufacturing.....	106

Message from the Superintendent

January 4, 2023

Dear Students and Families,

Thank you for taking the time to carefully review the information in this guide. It will help you design an Individual Career and Academic Plan (ICAP) which, in turn, will serve as a foundation for your future career and college options.

We strive for every student to succeed in school, but we also prepare students for success *after* high school. We do this by setting high expectations and offering numerous avenues for students to achieve their unique potential. Our district is celebrated for outstanding teachers, a challenging curriculum, advanced technology, K-12 career programs and A+ high schools. We are known for distinguished diploma options, including *Gold Medallion Honors Diploma*, the *AP Capstone Diploma*, and the *International Baccalaureate Diploma*.

College & Career Pathways is celebrating its third year of implementation. Pathways enhance learning experiences by providing an industry lens to learn through while engaging in rigorous coursework. This year, ninth, tenth and eleventh grade students will enroll in a pathway based on their interest, which means the majority of our high school students will be enrolled in College & Career Pathways!

To get the most from the educational opportunities we offer, you will want to fully understand the diploma options. An overview is included in this guide, and additional information is on the district website.

Let there be no missed opportunities.

Make your educational experiences extraordinary by using the *2023-24 Career Planning & Education Guide* to explore the world of possibilities that exist for you. North Kansas City Schools will partner with you to create an Individual Career and Academic Plan (ICAP) to help make your goals a reality. We look forward to the journey ahead.

Sincerely,



Dan Clemens, Ed.D.
Superintendent

High School Individual Career and Academic Plan (ICAP)

Pathways

Programs of Study is a joint effort of high schools and colleges to coordinate classroom instruction, student guidance, career and technical student organizations, career development and community participation for a specific Career Cluster.

Diploma Options

North Kansas City Schools currently offers five diploma options for graduates, all requiring 26 credits.

- **Career/College Readiness Diploma**
Graduates are recognized as having met entrance requirements for most Missouri universities. Work with your Counselor for more guidance.
- **Gold Medallion Honors Diploma**
Graduates receive honors and are recognized for completing a rigorous program designed to meet all entrance requirements for the University of Missouri system as well as most universities nationwide.
- **AP Capstone Diploma**
Graduates receive honors and are recognized for completing the AP Capstone courses, earning a 3 or above on the assessments, as well as earning a 3 or above on four additional AP courses throughout their high school career.

Middle School Classes Counting for High School Credit

(High School Algebra, Geometry, and Global Language)

Advanced standing credit for these classes will be transcribed with the notation that the courses were completed prior to ninth grade. These courses may be counted toward meeting the subject area and credit requirements for high school graduation.

These classes are computed into GPA and Class Rank. Classes may be repeated at the high school; however, credit may not be duplicated.

Diploma Credits Required

Paths to Graduation			
DIPLOMA OPTIONS:	Career/College Readiness	Gold Medallion	AP Capstone
ENGLISH LANGUAGE ARTS	4	4	4
MATHEMATICS	4	4	4
SCIENCE	3	3	3
SOCIAL STUDIES	3	4	3
FINE ARTS	1	1	1
PRACTICAL ARTS	1	1	1
PHYSICAL EDUCATION	1	1	1
HEALTH	0.5	0.5	0.5
PERSONAL FINANCE+	0.5+	0.5+	0.5+
ELECTIVES	8	4	6
GLOBAL LANGUAGE		2	
AP SEMINAR		1	1
AP RESEARCH			1
THEORY OF KNOWLEDGE			
PERSONAL AND PROFESSIONAL SKILLS			
CAREER RELATED STUDY			
TOTAL CREDITS REQUIRED	26	26	26
<i>All Students will be required to complete a service component</i>			

+ Personal Finance will be an on-line course, with blended support

- Seniors must successfully complete all graduation requirements prior to participation in graduation ceremonies.
- Students must pass the U.S. MO Constitution Test as a requirement for graduation.
- Students must pass the Missouri Civics Education Initiative (MCEI) Exam as a graduation requirement.
- Students must complete all EOC (End of Course) requirements and seniors are required to complete one of these assessments before graduation: ACT/SAT, ASVAB or WorkKeys.
- Students must complete a 30-minute CPR Training.

Credit Recovery & Grade Replacement

Students have several options if they fail a course or earn a low grade. A student may retake a course but the grade from the original class will remain on their transcript, however; the original grade will not be included in the calculation of the student's GPA. For information on credit recovery and replacing grades, contact your school's counseling office.

When deciding which diploma option is best for their Individual Career and Academic Plan (ICAP), each student should consider career goals and entrance requirements of colleges and universities they might attend.

Career/College Readiness Diploma

Career/College Readiness Diploma		
ENGLISH LANGUAGE ARTS	4	Must include English Language Arts I and II, plus an approved third and fourth year course
MATHEMATICS	4	Must include Algebra I and Geometry (a college readiness pathway will include Algebra I, Geometry, Algebra II and one additional math credit)
SCIENCE	3	Must include Biology, Chemistry, and an additional Science course
SOCIAL STUDIES	3	Must include World History/AP Human Geography, US History, and AP Government
FINE ARTS	1	
PRACTICAL ARTS	1	
PHYSICAL EDUCATION	1	
HEALTH	0.5	
PERSONAL FINANCE +	0.5+	Will be an on-line course, with blended support
ELECTIVES	8	Should be selected to meet state and local graduation requirements. The courses should be selected and planned by the school, the student, and the student's parents to develop the student's aptitude and skills. Advanced vocational-technical courses that have been selected to support and strengthen the student's college readiness program or career choice may be used to fulfill this general elective requirement.
GLOBAL LANGUAGE		<i>Two credits of global Language are strongly recommended if student's education plans include enrollment where admission requires two years of the same global language.</i>
TOTAL CREDITS	26 Credits	

Graduation Requirements for North Kansas City Schools Service to Community Hours

The following guidelines are to be utilized as a guide for required Service to Community hours for graduation from the North Kansas City Schools.

1. Service to Community is volunteer work for which no other credit or monetary compensation is received. It is recommended that the work should be for a not-for-profit organization.
2. Twenty (20) Service to Community hours are required for graduation from each district high school. A student will not participate in graduation ceremonies or receive a diploma if he or she has not performed twenty (20) Service to Community hours.
3. In general, the following types of activities will qualify for the Service to Community requirements.
 - Charitable activities for non-profit organizations
 - Individual student tutoring (A+ Peer Tutoring Program or under the direct supervision of a teacher outside the regular school hours)
 - Civic activities sponsored by clubs, Parks and Recreations, Chambers of Commerce, businesses, churches, schools, hospitals, residential care facilities and other community groups
 - Activities of school-sponsored clubs that benefit the community, such as school-based Booster Clubs.

Gold Medallion Honors Diploma

Graduates receive honors and are recognized for completing a rigorous program designed to meet all entrance requirements for the University of Missouri system as well as most public universities nationwide.

Who should seek the Gold Medallion honors Diploma?

- The student who is academically able and highly motivated.
- The student who wants a jump start on earning college credit and wants to do real life projects.
- The student who is willing to work for having this diploma of distinction.

Gold Medallion Honors Diploma		
ENGLISH LANGUAGE ARTS	4	Must include English Language Arts I and II and two advanced ELA courses (e.g., Honors Comp & Lit, College English, AP English Lit & Comp, AP English Lang & Comp, AP Research)
MATHEMATICS	4	Must include Algebra I, Geometry, Algebra II and one credit of additional advanced math
SCIENCE	3	Must include Biology, chemistry and an additional Science course
SOCIAL STUDIES	4	Must include World History/AP Human Geography, US History, and AP Government, and one additional Social Studies elective (e.g., AP Psychology, AP United States History, AP World History: Modern, Psychology, Military History or Sociology, AP Human Geography)
FINE ARTS	1	
PRACTICAL ARTS	1	
PHYSICAL EDUCATION	1	
HEALTH	0.5	
PERSONAL FINANCE +	0.5+	
ELECTIVES	4	ADDITIONAL CREDITS in Global Language and/or additional advanced courses from ELA, Mathematics, Science, Social Studies, Fine Arts and Practical Arts
GLOBAL LANGUAGE	2	Must include two credits of the same language
AP SEMINAR	1	
TOTAL CREDITS	26 Credits	

Additional requirements for Gold Medallion Diploma

- Earn a cumulative grade point average (GPA) of 3.2 grade or above, including college credit courses.
- Perform at or above the 85th percentile on an 11th or 12th grade national standardized academic test (ACT or SAT).
- Within the 26 required credits, 8 or more must be in Honors, Dual Credit, or AP courses.
- Algebra I, Honors Geometry, and Global Language taken in middle school will count towards Gold Medallion.
- Participate in 100 hours of community service, tutoring, or mentoring.
- Complete a 40 hour School to Career Internship(s) in a chosen career path.
- Successful completion of AP Seminar with a grade of B or above each semester.
- Develop a comprehensive portfolio with examples of best work, extracurricular participation, and reflection.

Gold Medallion Honors Diploma candidates may appeal to the principal for a waiver in extreme situations. The intent, however, is to keep the diploma standards high. Planning ahead is essential and should begin during the 9th grade year. Exhibition and required preparation semesters may not be waived.

Note: Seniors must successfully complete all graduation requirements prior to participation in graduations ceremonies.

For more information and a copy of the Gold Medallion Honors Diploma Planning Guide, see your high school counselor, Gold Medallion teacher, district website, or call the Executive Director of Academic Services at (816) 321-5656.



Extraordinary Educational
Experiences

AP Capstone Diploma

Participating in AP Capstone can help students:

- Stand out to colleges in the application process
- Develop key academic skills they'll use in college and beyond.
- Become self-confident, independent thinkers and problem solvers.
- Earn college credit: Many colleges offer credit for qualifying scores.

AP Capstone Diploma		
ENGLISH LANGUAGE ARTS	4	Must include English Language Arts I and II, plus an approved third- and fourth-year course
MATHEMATICS	4	Must include Algebra I and Geometry (a college readiness pathway will include Algebra I, Geometry, Algebra II and one additional math credit)
SCIENCE	3	Must include Biology, Chemistry, and an additional Science course
SOCIAL STUDIES	3	Must include World History/AP Human Geography, US History, and AP Government
FINE ARTS	1	
PRACTICAL ARTS	1	
PHYSICAL EDUCATION	1	
HEALTH	0.5	
PERSONAL FINANCE	0.5+	Will be an on-line course, with blended support
ELECTIVES	6	Should be selected to meet state and local graduation requirements. The courses should be selected and planned by the school, the student, and the student's parents to develop the student's aptitude and skills. Advanced vocational-technical courses that have been selected to support and strengthen the student's college readiness program or career choice may be used to fulfill this general elective requirement.
GLOBAL LANGUAGE		<i>Two credits of Global Language are strongly recommended, if student's education plans include enrollment where admission requires two years of the same global language.</i>
AP SEMINAR	1	Student must score a 3 or above on the AP Seminar Exam
AP RESEARCH	1	Student must score a 3 or above on the AP Research Exam
TOTAL CREDITS	26 Credits	

Additional requirements for AP Capstone Diploma

- Students who earn scores of **3 or higher** in AP Seminar and AP Research and on four additional AP Exams of their choosing receive the AP Capstone Diploma™.
- Students must fulfill all requirements of the Career/College Readiness Diploma.

Note: seniors must successfully complete all graduation requirements prior to participation in graduation ceremonies.

For more information about the AP Capstone Diploma, see your high school counselor, the district website, or call the Executive Director of Academic Services at (816) 321-5656

Grade Point Average (GPA)

To calculate Grade Point Average (GPA)*, course grade points are summed and divided by the number of course units completed. For GPA calculations, points are assigned for each course completed as follows:

- 4.0 grade points for an A*
- 3.0 grade points for a B*
- 2.0 grade points for a C*
- 1.0 grade point for a D*
- 0.0 grade point for an F*

In an effort to encourage and recognize students who accept the challenges of academic rigor and demonstrate high performance, all students who complete the components of the Gold Medallion Honors Diploma or components of the AP Capstone Diploma will graduate with distinction and are recognized as Honor Graduates. To further recognize students for accepting the challenges of advanced course work, weighted credit will be awarded in addition to grade points in determining class rank. Weighted credit for class rank allows students to be recognized for accepting the academic challenges of advanced courses and not be adversely impacted by grades in such rigorous coursework.

Weighted Courses

A weighted credit policy is utilized to provide incentives for students to take the most challenging coursework possible. All honors courses will be worth a .5 weighted addition to a student's GPA in those individual courses. All courses that are externally assessed by a nationally or internationally recognized program (i.e., AP, IB, PLTW, and/or TSAs) will be worth a 1.0 weighted addition if a student completes the course and sits for the external exam. Students who complete an AP, IB, PLTW, or TSA tested course, but do not sit for the exam, will earn a .5 weighted addition to their GPA. Dual credit courses are also worth a 1.0 weighted addition.

Class Rank

Class rank* is based on a student's weighted GPA for satisfactory completion of Distinguished Achievement Program (DAP) courses. If a combined course is offered, e.g., Advanced Placement and Dual Credit or AP and IB in the same class, a student may receive weighted credit for AP or DC or IB. Distinction points may only be granted for one.

When a student is reclassified from 11th to 12th grade for purpose of graduating ahead of their cohort (Class of 20XX), then NKCS will follow the procedure to EXCLUDE the reclassified student from the class rank of the graduating class. For example, a student in the cohort 2023 (Class of 2023) with current grade level 11 is reclassified to 12th grade and graduates May 2022, they will be EXCLUDED from the class rank of the cohort 2022 (Class of 2022).

Upon request, a letter explaining this procedure and the student's class rank among his or her cohort at the time of reclassification will be included with the student's transcript. Please direct questions regarding this procedure to your high school's administration.

***GPA and Class Rank are calculated at the end of the 3rd, 4th, 5th, 6th, 7th, and 8th semesters.**

Students in Academically Gifted Education (SAGE)

The goal of the SAGE program in high school is to provide personalized services for students to allow each student to maximize his or her capabilities. Each high school has a Gifted Resource Specialist (GRS) that serves as an advisor to the gifted students in grades 9-12. The GRS has specialized gifted certification, which can further enhance what this population of students require.

The Gifted Resource Specialist works with the student's counselor to develop a four-year high school plan and choose appropriate courses. To facilitate the student's best opportunities, the GRS will work with students and parents in recommending extracurricular activities, summer programs, available scholarships, competitions, and will assist in facilitating internships and mentor programs.

For additional information please contact the Executive Director of Career and College Readiness at (816) 321-5656.

Honors Classes/College Readiness

North Kansas City Schools offer "Honors" courses to secondary students. The purpose of these courses is to address the cognitive and affective needs of high achieving students by providing an accelerated and enriched academic program. Honors courses ensure differentiated curricula that are provided for all students. These courses challenge students to complete rigorous academic work and to be responsible for their own learning. In addition, courses are designed to help students demonstrate mastery of district graduation goals.

Honors courses comprise one component of earning honors recognition in high school. Students who meet the requirements of the Gold Medallion Honors Diploma, AP Capstone Diploma, or the International Baccalaureate Diploma earn honors status. Requirements include successful completion of eight or more credits in Honors courses. Honors, Pre-IB or AP courses may be selected from specially designated offerings at the freshman/sophomore level and from any honors, dual credit, AP, or IB course at the junior/senior level.

How Do I Decide?

Honors courses challenge students, even if they have successfully earned high grades without struggling in the past. Courses require hard work, dedication, and self-discipline. Students will be expected to make a substantial time commitment for study and homework. Students looking for a challenge and possessing a strong desire to achieve academic excellence should consider the following list of characteristics:

- Have consistently earned As or Bs in the selected area(s) of coursework in middle school.
- Have standardized test achievement score(s) in the 80th percentile or higher in the selected area(s) of coursework.
- Have 95% or higher average daily attendance.
- Able to organize, plan, and complete assignments and projects with little direction or additional support.
- Consistently demonstrate higher order thinking skills by applying knowledge, applying skills, analyzing, and evaluating.
- Demonstrate self-discipline and the ability to cooperate with classmates and teachers.
- Have a strong interest in and curiosity about the subject matter.

If you have questions or would like further information, call your student's counselor or any administrator at your high school.



North Kansas City Schools Catalyst

NKC Schools Catalyst is a district-wide program available at each of the four high schools that identifies and supports high-performing, economically disadvantaged students to attend and graduate from the nation's most selective and affordable colleges.

Eligible 10th graders may apply at the start of second semester when the application opens. Catalyst requires prospective scholars to have at least a 3.5 weighted GPA and for families to provide household financial information demonstrating financial need in the eyes of colleges.

Sophomores who become Catalyst Semi-Finalists will have on-site interviews at their schools in April. Final acceptances are made by the end of the school year. Accepted scholars begin programming at the start of their 11th grade year.

11th Grade Catalyst programming focuses on helping students better understand the college application process, how to best present themselves on these applications, and exploring the best college options available to them. Additionally, students receive individualized academic advising, writing support for scholarships, free ACT prep, and free out-of-state summer college tours the summer between 11th and 12th grade.

12th Grade Catalyst programming focuses on helping students finalize their college application list, planning out their application timetable, and supporting students with their college and scholarship applications. Additionally, Catalyst works with scholars and their families to ensure they complete the necessary financial aid forms to be eligible for maximum need-based college scholarships and grants. Catalyst scholars will continue to receive support from the program after graduation as they matriculate to their respective colleges and universities.

To learn more about Catalyst, please visit <http://www.nkcschools.org/catalyst> or contact Postsecondary Success Coordinator at David.Persley@nkcschools.org or 816.550.3883.

Advanced Placement Programs

The Advanced Placement Program, administered by the College Board, gives high school students an opportunity to demonstrate what they have learned by taking AP Exams. Depending upon the AP Score, colleges and universities have the option to grant credit, placement, or both to these students. Although approximately 2,900 colleges and universities award AP credit, students taking AP classes are advised to ask their prospective college or university for a copy of their AP policy or to look for it in the college catalog. Although a student may take an AP exam without having taken any specific class, a rigorous, well-planned course of study will increase the likelihood of success. Students wanting to participate in the Advanced Placement Program or obtain information on the costs, content of the exams, or other details should contact their counselor.

Expectation: *Students taking an Advanced Placement course are expected to take the AP Exam during the spring semester. All exams are administered in May.*

Additional information also may be found online at www.collegeboard.org/ap.

Classes for College Credit (Dual Credit)

College classes are offered in conjunction with several area colleges and universities. Students receive college credit as well as high school credit. Most colleges will transfer these credits toward their degree programs. However, it is recommended the student check with the college he/she plans to attend to see if they will accept the college credit. The cost to the student varies but is often less than ½ the cost of regular tuition.

The Missouri coordinating Board for Higher education has a dual credit policy that applies ONLY to high school students taught on a high school campus by high school teachers. It does not apply to dual credit courses taught by college or university instructors on any campus or via television or the internet. Students are required to complete an off-site dual enrollment application and obtain approval from their counselor if they plan to take an off-campus dual-credit class. A copy of the application can be obtained from your counselor.

Student eligibility is determined by the university awarding credit.

Transferability of Credit

- Colleges and universities may limit the transfer of credit. Publicly funded universities in the state of Missouri are mandated to accept general education courses that fall within the CORE 42 (<https://dhe.mo.gov/core42.php>).
- Each individual college and university have a written policy describing limits on dual credit courses.
- Students need to check with the colleges/universities they plan to attend for additional specific information.

Project Lead the Way (PLTW)

Project Lead the Way (PLTW) is a Science, Technology, Engineering, and Math (STEM) based education program which is offered in all four of our high schools. Students enjoy this challenging program that incorporates and addresses the goal of raising standards of learning. It also allows them to participate in a program that will allow them to explore a major career path and, if they wish to continue, will prepare them for further education at a two- or four-year college in STEM related fields.

From launching space explorations to delivering safe, clean water to communities, engineers find solutions to pressing problems and turn their ideas into reality. PLTW Engineering empowers students to step into the role of an engineer, adopt a problem-solving mindset, and make the leap from dreamers to doers. The program's courses engage students in compelling, real-world challenges that help them become better collaborators and thinkers. Students take from the courses in demand knowledge and skills they will use in high school and for the rest of their lives, on any career path they take.

The PLTW Biomedical Sciences Program prepares student to take advantage of the tremendous career opportunities available in health and science. The hand-on project-based and problem-based curriculum engages students, allows them to explore the wide variety of health care and science career options, and equips them with the knowledge and skills necessary to succeed in any post-secondary biomedical program.


Whether designing apps to meet client needs or exploring cybersecurity, PLTW Computer Science engages students in interdisciplinary activities that not only build knowledge and skills in computer science, but also empower students to develop essential skills such as problem solving, critical and creative thinking, communication, collaboration, and perseverance. The program's courses empowers students with in-demand knowledge and skills they will use in high school and for the rest of their lives, on any career path they choose.

Note: All PLTW pathways are offered as Career-related pathways in the IB Career-related (IBCP) program.

Seal of Biliteracy

The Seal of Biliteracy is awarded by the Missouri Department of Elementary and Secondary Education to recognize students who have attained an Intermediate-Level of proficiency in English and in one or more other global languages by high school graduation. This recognition of biliteracy becomes part of the high school transcript for these students. Students can earn approximately 12 hours of college credit at an increasing number of institutions.

Online Learning Fueled by Launch

NKC Schools has partnered with Launch, a virtual academy that offers students quality online learning options. Launch's courses are taught by highly qualified Missouri-certified teachers who currently live and work in Missouri school districts. Some courses offered are identified by the  symbol shown in the course description section of this catalog. In addition, a list of *all* available Launch course offerings is provided below. Courses can be accessed 24 hours a day, seven days a week, using any computer with internet access. Students have 7 days-a-week technical support through support@fueledbylaunch.com. All Launch instructors are required to have 3 office hours per week allowing questions to be answered within 30 minutes. Outside of office hours, instructors should be answering questions within 8 hours. Students enroll in Launch classes during their regular enrollment time with their building counselor. For specific course information, such as detailed course description(s), honors availability, dual credit status or NCAA core course approval, visit www.fueledbylaunch.com.

Launch Courses

Advanced Placement

AP Calculus AB (1.0)
AP Calculus BC (1.0)
AP Computer Sci Principles (1.0)
AP Computer Science A (1.0)
AP English Lit & Comp (1.0)
AP European History (1.0)
AP Physics (1.0)
AP Psychology (1.0)
AP Statistics (1.0)
AP Studio Art 2-D Design (1.0)
AP US Gov. & Politics (1.0)
AP US History (1.0)
AP World History (1.0)

Electives

ACT Prep (.5)
Driver Education (.5)
Employment Internship (.5)
Film as Literature I (.5)
Film as Literature II (.5)

English Language Arts

Contemporary Lit (1.0)
Creative Writing I (.5)
Creative Writing II (.5)
English I (1.0)
English II (1.0)
English III (1.0)
English IV (1.0)
Grammar & Comp. I (1.0)
Grammar & Comp. II (1.0)
Introductory Speech (1.0)

Fine Arts

Fine Arts Appreciation I: Music (.5)
Fine Arts Appreciation II: Art (.5)
Music Theory I (.5)
Music Theory II (.5)

Health and Physical Education

Health (.5)
Lifetime Fitness (.5)
Physical Education I (.5)
Physical Fitness (.5)

Practical Arts

Human Development I (1.0)
Computer Applications (.5)
Digital Communications (.5)
Economics (.5)
FACS Internship (.5)
Accounting (1.0)
Intro. To Computer Science (.5)
Personal Finance (.5)
Web Design (.5)
Intro to Business (1.0)
Hospitality & Tourism Management (1.0)

Science

Astronomy (1.0)
Chemistry (1.0)
Earth Science (1.0)
General Biology (1.0)
Physical Science (1.0)

Social Studies

American Baseball History (.5)
American Civil War (.5)
Black History (.5)
Government (1.0)
Psychology of the Holocaust (1.0)
Psychology (.5)
Sociology (.5)
United States History (1.0)
World Geography (.5)
World History (1.0)

Mathematics

Algebra I (1.0)
Algebra II (1.0)
College Algebra (1.0)
Geometry (1.0)
Precalculus (.5)
Statistics (1.0)
Trigonometry (.5)

World Languages

French I (1.0)
French II (1.0)
French III (1.0)
French IV (1.0)
German I (1.0)
German II (1.0)
Japanese I (1.0)
Japanese II (1.0)
Spanish I (1.0)
Spanish II (1.0)
Spanish III (1.0)

- (.5) classes are semester based, .5 credit classes
- (1.0) Classes are year-long, full credit classes
- AP Exams and End of Course (EOC) exams are given on the district schedule and are required to be taken in person at your high school.

Missouri Course Access Program (MOCAP)

In addition to courses available through Launch, eligible students may enroll in virtual courses offered through the Missouri Course Access Program (MOCAP). The district will accept all grades and credits earned through district-sponsored virtual instruction and MOCAP. See your counselor for more information.

Other Programs

English Language Learners (ELL)

At the high school level, courses are offered which correspond to students' levels of English language proficiency. Course placement is determined by the outcome of a federally mandated *language assessment (the WIDE screener)*, which is given by a trained ELL specialist prior to enrollment.

ELL Newcomer Program

The most intensive level of ELL services are offered in the **Newcomer Program** at NKCHS. Students in the district who are new to the U.S. and receive a composite score of 2.5 (Entering to mid-Emerging) or below qualify for this program. In this program, students receive intensive instruction for five hours a day in English reading, writing, speaking, and listening, provided by a certified ELL teacher and two paraprofessionals. Students are taught English through a variety of techniques including total physical response, memorization games, role-play, presentations by students, projects, discussions, cooperative learning groups, a computer language program, literary analysis, journal writing, reading circles, peer-tutoring, writing rubrics, pre-writing graphics and other graphic organizers. Vocabulary from content areas also is addressed. These include mathematics, social studies, and science. Students also are helped with cultural adjustment to the American academic environment, a more culturally diverse setting, and the American culture at large. This is done through introductions, tours, discussions of cultural differences, discussions about work and health in America, and encouraging the students to ask questions and ask for help. Also, clothing donations and school supply donations help students as they get settled in and adjusted to American culture.

Sheltered Content Courses

Sheltered Content courses are offered to students in core content areas at all four high schools after they complete the Newcomer Program, or if they enter the district at the Emerging to Developing levels of language proficiency (2.0-3.5). Math, social studies, science and Read 180 literacy courses are taught using "sheltering" techniques at NKCHS. In these courses, the regular curriculum is taught incorporating strategies which make the language and content more accessible to students. Various sheltered English Language Arts classes are offered at all four high schools which address the objectives of the general education ELA curriculum while taking into consideration the language development needs of the students through special attention to language functions and structures that may be problematic to ELLs.

ELL Resource/Intervention Classrooms

ELLs at Developing through Bridging levels of language proficiency are scheduled to an **ELL Resource or Intervention** class with the ELL teacher and/or paraprofessionals available to provide additional support for content area coursework.

For more information, please contact Lezlie Paden, ELL Program Coordinator, at 816-321-5859.

Programs for Students with Disabilities

It is the policy of the Board of Education of North Kansas City Schools to provide a free and appropriate education for students with disabilities, including those who need special education and related services.

Special Education Transition Planning

Transition planning is an ongoing process – not a single event – that builds on itself each year. Transition planning is the basis for IEP development for all students served in special education in high school or who will turn 16 during the year that the current IEP is in effect. Transition planning involves the student, along with the parents and IEP team, working to develop plans for the future based upon age-appropriate transition assessment. This assessment provides the foundation for transition planning and IEP development. Students' needs, preferences, and interests are investigated to determine appropriate, measurable goals for after graduation from high school, as well as services needed during high school, to assist the student to attain these post-school outcomes. Post-secondary goals evolve and change as the student gets older and gains new insights; therefore, the IEP will reflect these changes over time. Based upon the results of transition assessment, post-secondary goals are developed in the areas of education/training, employment, and independent living. In addition, needed transition services are addressed that will facilitate the attainment of the post-schools goals. North Kansas City Schools is committed to providing transition-related coursework that will provide students the opportunity to develop skills needed to live and work in the community. Courses are offered in the school setting as well as within the community. Descriptions of these courses are provided in this section.

For more information, please contact your student's case manager, school counselor, building administrator, or the special education coordinator.

Individuals with Disabilities Education Act (IDEA)

The district seeks to identify, evaluate, and provide free and appropriate educational services in the least restrictive environment to all qualified students with disabilities within the definitions of Section 504 of the Rehabilitation Act of 1973 and the American with Disabilities Act (ADA). No qualified student with a disability shall, on the basis of disability, be excluded from participation in, be denied the benefits of, or otherwise be subjected to discrimination under any district program, including nonacademic services and extracurricular activities.

Students with disabilities may be eligible for accommodation under this policy even though they are not eligible for services pursuant to the IDEA. The district will initiate a referral if a student requiring accommodation is also believed to be a student with a disability under the IDEA. Implementation of an IEP in accordance with the IDEA satisfied the district's obligation to provide a free and appropriate education under Section 504.

For more information, please contact your student's case manager, school counselor, building administrator, or the special education coordinator.

Special Services Courses

(For students with Individualized Education Plans – IEPs)

The prerequisites for the following classes are based upon the IEP team decision and/or off campus sites application and acceptance. See your case manager for more details.

Social Skills

Course ID SPS139 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: Enrollment based upon IEP team decision

Course Description: This course provides instruction that helps the student generalize acceptable social skills into daily routines. A major goal of social skills training is to teach verbal and nonverbal behaviors involved in social interactions. The instruction includes interpersonal skills (e.g., make eye contact and practice turn taking during conversations, make “small talk” in social settings, read social cues, indicate interest in others, discuss variety of topics rather than just area of personal interest). Social Skills provides instruction and opportunities to practice social behaviors in a variety of settings to enable the student to read subtle social signals and to interact with others in socially appropriate ways to participate in school, family, and employment. ***May be repeated for credit.***

Functional Academic Skills

Course ID SPS134 Credit: .5 – 2 Grade Level: 9, 10, 11, 12
Prerequisite: Enrollment based upon IEP team decision

Course Description: Student with significant cognitive impairment require an education that goes beyond the basic subjects that state standards require. While academics, such as math and reading, are part of a functional curriculum for students with developmental disabilities, this type of alternative instruction also includes self-determination and self-advocacy, social-skills building, money-management education, independent living skills, and daily living skills. Functional academics are a practical focus on life skills that help the student to be a contributing member of society and to become as independent as possible. ***May be repeated for credit.***

Basic Literacy Skills

Course ID SPS217 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: Enrollment based upon IEP team decision

Course Description: This course is designed to provide explicit instruction in foundational skills needed in English Language Arts including phonemic awareness/phonics, encoding/morphology, decoding (word recognition), reading fluency, vocabulary, reading comprehension strategies for informational texts and literature, as well as grammar and writing. This course provides specially designed instruction on appropriate IEP goals as outlined in each students’ IEP. ***May be repeated for credit.***

<u>Career/College Readiness Diploma</u> (4 math units required)			
<u>9th Grade</u>	<u>10th Grade</u>	<u>11th Grade</u>	<u>12th Grade</u>
<i>Intro to HS Math*</i>	<i>HS Pre-Algebra*</i>	<i>Algebra I**</i>	<i>Applied Math** Geometry**</i>
<i>Intro to HS Math*</i>	<i>Algebra I**</i>	<i>Geometry** Applied Math**</i>	<i>Algebra II*** Applied Math** Geometry**</i>

** Only offered in special education setting*

*** Can be offered in special education setting OR general education setting*

**** Only offered in general education setting*

Bolded course indicates required state assessments will be given during that course

Intro to HS Mathematics

Course ID	SPS153	Credit: 1	Grade Level: 9, 10
Prerequisite:	Enrollment based upon IEP team decision		

Course Description: This class is designed for students identified from middle school who are currently receiving specifically designed instruction in mathematics. The course is designed to develop foundational skills needed for future high school mathematics courses such as Algebra. Topics covered will include the following: proportions and percent, equations, and inequalities, translating verbal expressions, area and perimeter, and plotting points on a graph.

High School Pre-Algebra

Course ID	SPS159	Credit: 1	Grade Level: 9, 10, 11
Prerequisite:	Enrollment based upon IEP team decision		

Course Description: This course begins with a review of core math concepts necessary for high school math courses including fractions, proportions, and number sense with an emphasis on integers. An understanding of patterns, relations, and functions is introduced in this course. Students will learn how to represent and analyze mathematical situations and structures using algebraic symbols and how to use mathematical models to represent and understand quantitative relationships. Students in this course will not take the Algebra I EOC. This course reviews key components of the general education Pre-Algebra curriculum and modifies the first units of the general education Algebra I curriculum. This course is taught by special education staff and is designed to provide specialized instruction on appropriate IEP goals as outline in each student's IEP.

Algebra I

Course ID	SPS121	Credit: 1	Grade Level: 10, 11, 12
Prerequisite:	High School Pre-Algebra or similar Algebra course; Enrollment based upon IEP team decision		

Course Description: This course is a continuation of topics from HS Pre-Algebra and provides an opportunity to explore problem solving more deeply involving the real number system. Students will use mathematical models to represent, analyze, and understand quantitative relationships present in mathematical situations. This course also includes the analysis of change in various contexts. There will be an emphasis on algebraic concepts with applications in algebra, statistics, and probability. Students in this course will take the Algebra I EOC. This course is taught by special education staff and modifies the general education Algebra I curriculum. This course is designed to provide specialized instruction on appropriate IEP goals as outline in each student's IEP.

Community Access

Course ID SPS155 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: Enrollment based upon IEP team decision

NOTE: North Kansas City Schools will provide transportation, or students will use the Metro or FLEX bus.

Course Description: Student participates in community-based activities to develop greater sense of independence and daily living skills to enhance the quality of life while transitioning from school to adult life. Community-based activities include accessing community resources, using public transportation, managing money, planning nutritious meals, shopping, cooking, cleaning and home-maintenance, bill paying, and working collaboratively. In order to provide the student with ample opportunity to practice skills in real-world environments, North Kansas City Schools provides a home in the community, the PRIDE House (Promoting Responsible Individuals through Daily living and Employment). This program is designed to provide instruction in functional and daily living skills through hands-on learning activities to help students acquire skills to live in the world today. ***May be repeated for credit.***

Access Transitions

Course ID SPS216 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: Enrollment based upon IEP team decision

NOTE: Students enrolled in Work Study may also be enrolled in Access Transitions.

Course Description: This course will help students set realistic post-secondary goals and develop a plan to achieve these goals. This course will provide a supportive environment for students to increase self-awareness and build appropriate social relationships, develop problem-solving skills, and prepare for life after high school. Topics will include: self-determination/self-advocacy, effective communication, career awareness and exploration, investigation of education/training options available after high school graduation, and steps to become a valued member of the community. ***May be repeated for credit.***

Learning Strategies A, B, C, D

Course ID A = SPS135 Credit: 1 Grade Level: 9, 10, 11, 12
 B = SPS136
 C = SPS137
 D = SPS147
Prerequisite: Enrollment based upon IEP team decision

Course Description: Student participates in direct, explicit instruction to facilitate problem-solving and critical thinking skills. Student will learn strategies to develop study skills, goal-setting skills, test-preparation and test-taking skills, and organizational skills to enhance success in school. ***May be repeated for credit.***

Work Experience I

Course ID SPS116 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: Enrollment based upon IEP team decision

NOTE: North Kansas City Schools provides transportation and supervision at the PAES Lab.

Course Description: Work Experience I is the initial step in options for career exploration and employment training programs for students with disabilities. Student participates in campus-based, non-paid basic career/vocational skills work experiences provided at the PAES lab. PAES (Practical Assessment Exploration System) is a comprehensive curriculum that promotes work development skills through a dynamic curriculum that operates in a simulated, hands-on work environment. PAES provides career exploration as well as meaningful career information and knowledge of what a student can do and do well. ***May be repeated for credit.***

Work Experience II

Course ID SPS117 Credit: 1 Grade Level: 11, 12
Prerequisite: Enrollment based on an application process from IEP case manager, intake interview with the Transition Facilitator and Work Experience Job Coach, and approval by the Transition Facilitator and/or Secondary Coordinator.

NOTE: North Kansas City Schools provides transportation and supervision at the work sites.

Course Description: Student participates in community-based, non-paid work experiences. North Kansas City Schools partners with local community businesses to provide real-life community work experiences to enhance the educational experience. NKC Schools provides community job sites, job coach to supervise small groups of students at work sites, transportation to and from job sites, and employability training.

Student will participate in meaningful career exploration, learn and practice positive work attitudes, behaviors, and skills, learn first-hand about employers' expectations, and experience a community "classroom" that offers real world rewards and consequences. Student will learn and practice self-advocacy and problem-solving skills. These community opportunities will assist the student to establish goals for the future and to prepare to transition from high school to adult life. ***May be repeated for credit.***

Work-Study

Course ID SPS304 Credit: .5 for every 90 work hours Grade Level: 11, 12
Prerequisite: Student must obtain a job before enrolling in work-study and have a case opened with Vocational Rehabilitation. Student must also be enrolled in Access Transitions or another course that supports the employment goal. The Transition Facilitator will verify that these requirements are met.

NOTE: Student must provide own transportation. Student must turn in copies of paycheck stubs to verify the number of work-hours.

Course Description: Student participates in the Cooperative Work-Experience Program (COOP/Work Study) that is approved by the Missouri Department of Elementary and Secondary Education (DESE) to provide students the opportunity to earn credit(s) for participating in off campus, paid work experiences. Student is exposed to the work world with support provided by school personnel. Student's progress at work is monitored by ongoing follow-along to determine success on the job, accomplished by monthly meetings with the student, as well as site visits. Semester Employer Evaluations and Student Self-Evaluations are provided. ***May be repeated for credit-maximum of 4 credits per school year.***

North Kansas City Hospital Academy

Course ID SPS302 Credit: 1.5 per semester Grade Level: 11, 12
Prerequisite: Student must complete application for program. When accepted, student must complete the compliance guidelines, immunization and TB test, and the health screen required by NKC Hospital.

NOTE: Student must provide own transportation. Student must turn in copies of paycheck stubs to verify the number of work-hours.

Course Description: Student participates in the Cooperative Work-Experience Program (COOP/Work Study) that is approved by the Missouri Department of Elementary and Secondary Education (DESE) to provide students the opportunity to earn credit(s) for participating in off campus, paid work experiences. Student is exposed to the work world with support provided by school personnel. Student's progress at work is monitored by ongoing follow-along to determine success on the job, accomplished by monthly meetings with the student, as well as site visits. Semester Employer Evaluations and Student Self-Evaluations are provided. ***May be repeated for credit.***

Project SEARCH

Course ID SPS744 Credit: 4 per semester Grade Level: 5th year seniors with developmental disabilities
Prerequisite: Student must have case opened with Vocational Rehabilitation Services (VR) and have applied to Kansas City Regional Office (KCRO). ***Student must complete application for program.*** Upon acceptance, student must complete the compliance guidelines, immunizations, TB test, drug screen, and the health screen required by Children's Mercy Hospital and Truman Medical Center.

Note: North Kansas City Schools provides transportation and instructor at the host-site businesses.

Course Description: During final year in high school, student participates in this one-school year program with total immersion in the workplace at Children's Mercy Hospital and Truman Medical Center. During three ten-week, nonpaid internships that facilitate the acquisition of marketable, transferable work skills, the student will gain employability skills (e.g., effective communication, problem solving, leadership, self-advocacy, and appropriate social skills). The ultimate goal upon completion of Project SEARCH is paid employment within the greater Kansas City community. Project SEARCH is a partnership with NKC Schools, Children's Mercy Hospital, Truman Medical Center, Vocational Rehabilitation Services, Goodwill, and Center for Human Services.



Extraordinary Educational
Experiences

Preparing for Secondary Choices

A+ Schools Program

Student Eligibility

To be eligible for the financial incentives of the A+ Schools Program, a student must have:

- Completed and signed an A+ Schools Program Agreement and turned it into the A+ office.
- Attended an A+ designated school at least three years prior to high school graduation.
- Graduated with a grade point average of 2.5 on a 4.0 scale.
- Graduated with at least a 95% attendance record for a four-year period.
- Maintained a record of good citizenship; and avoidance of the unlawful use of drugs and/or alcohol while in grades 9-12.
- Performed at least 50 hours of unpaid academic tutoring or mentoring, connected to North Kansas City Schools, and supervised by a district employee.
- Have achieved a score of proficient or advanced on the Algebra I end of course exam.
 - If you meet all of the eligibility requirements except the end of course exam requirement, you may establish eligibility by achieving a specified combined ACT math sub score and high school GPA. Please see your building A+ coordinator for more information.

A+ Coordinators

NKCHS	David Garrison	(816) 321-4652
OPHS	Mike Dial	(816) 321-4474
SHS	Kevin Kooi	(816) 321-5709
WHS	Shannon Calohan	(816) 321-6947

Student Benefits

The A+ Program may provide these educational incentives subject to state funding approval.

- Tuition, general fees* subject to legislative appropriation paid for by the state to any of Missouri's public community colleges or public career or technical schools. **
- Incentives will be made available after the student has made a good faith effort to first secure all available federal post-secondary student financial assistance funds that do not require repayment. Parents must complete and send in the Free Application for Federal Student Aid (FAFSA). Parental income is **NOT** criteria for A+ student incentive reimbursement. Failure to complete the FAFSA will result in denial of A+ benefits.
- Students may receive this incentive for a maximum of six semesters, must be enrolled as a FULL-TIME student, and maintain a grade point average of 2.5 or higher on a 4.0 scale at the institution. Students are eligible to use the incentive for **UP TO FOUR** years after high school graduation.

All funds for the A+ Schools Program are subject to yearly State budgetary appropriations

In accordance with Missouri State guidelines, a school district may have a process to review an appeal by a student to meet the A+ School Program guidelines. North Kansas City Schools provides such a process for students to submit a request for an appeal.

*Fees are limited to general fees all students are required to pay.

**Funds become available the semester following the student's graduation.

ACT and SAT

North Kansas City Schools will provide an opportunity for juniors to take the ACT free of charge. This will occur during a school day in the spring semester at all four high schools. Students may elect to take the ACT on a regularly scheduled national test date as well.

The ACT, SAT I, and SAT II tests are administered on a limited number of national test dates during the year. The deadline to register for one of these tests is approximately one month prior to the test date. Enroll using the following websites: www.ACTstudent.org or www.collegeboard.com.

College Admission Tests

ACT research shows students who complete the following core curriculum consistently score higher on the ACT than those students who do not take the core curriculum:

- 4 English Language Arts credits
- 4 Math credits (Algebra I & above)
- 3 Science credits (Lab Sciences)
- 3 Social Studies/History credits

It is also highly recommended to take the ACT rep College Transitions course or attend another ACT Test Prep training prior to testing.

ACT is a registered trademark of ACT, Inc., which were not involved in the production of, and do not endorse, this product. PSAT is a registered trademark of the College Board and National Merit Scholarship Corporation, which were not involved in the production of, and do not endorse, this product. AP, SAT Subject Tests, and CLEP are registered trademark of the College Board and National Merit Scholarship Corporation, which were not involved in the production of, and do not endorse, this product.

NCAA Eligibility Center

Division I Academic Standards

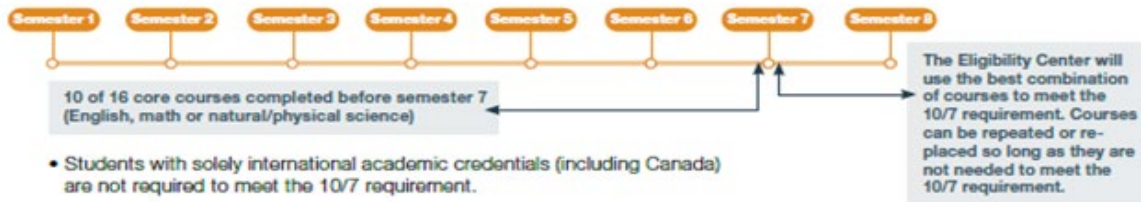
DIVISION I ACADEMIC STANDARDS

Division I schools require college-bound student-athletes to meet academic standards for NCAA-approved core courses, core-course GPA and test scores. To be eligible to practice, compete and receive an athletics scholarship in your first full-time year at a Division I school, you must graduate from high school and meet *all* of the following requirements:

1. Complete a total of 16 core courses in the following areas:



2. Complete 10 of your 16 core courses, including seven in English, math or natural/physical science, before the start of your seventh semester. Once you begin your seventh semester, any course that is needed to meet the 10/7 requirement cannot be replaced or repeated.



3. Complete the 16 NCAA-approved core courses in eight academic semesters or four consecutive academic years from the start of ninth grade. If you graduate from high school early, you still must meet core-course requirements.
4. Earn an SAT combined score or ACT sum score that matches your core-course GPA (minimum 2.300) on the Division I full-qualifier sliding scale.

How to plan your high school courses to meet the 16 core-course requirement: **4 X 4 = 16**

9 TH GRADE	10 TH GRADE	11 TH GRADE	12 TH GRADE
(1) English (1) Math (1) Science (1) Social Science and/or additional	(1) English (1) Math (1) Science (1) Social Science and/or additional	(1) English (1) Math (1) Science (1) Social Science and/or additional	(1) English (1) Math (1) Science (1) Social Science and/or additional
4 CORE COURSES	4 CORE COURSES	4 CORE COURSES	4 CORE COURSES

Division II Academic Standards

DIVISION II ACADEMIC STANDARDS

Division II schools require college-bound student-athletes to meet academic standards for NCAA-approved core courses, core-course GPA and test scores.

To be eligible to practice, compete and receive an athletics scholarship in your first full-time year at a Division II school, you must graduate from high school and meet *all* of the following requirements:



1. Complete 16 core courses in the following areas:



2. Earn an SAT combined score or ACT sum score that matches your core-course GPA (minimum 2.200) on the Division II full-qualifier sliding scale



Extraordinary Educational Experiences

Enrollment

Enrollment Process

- Students complete their Individual Career and Academic Plan (ICAP) with their advisor/counselor.
- Students may use career assessments, exploration, and planning for post-secondary education.
- Students meet with counselors to complete their course selections.

Choosing the right classes in high school has a big impact on a student's preparation for life after high school.

Schedule Changes

Every attempt is made to offer courses to students as requested by students at pre-enrollment. If conflicts develop, the student's alternative courses from their Course Enrollment – Individual Career and Academic Plan (ICAP) may be used.

Adding Classes

Students may only add a new class during the first two weeks of the semester. A student may not transfer into the second semester of a full credit subject unless he or she has completed the first semester of the subject. Passing semester 1 is optional.

Dropping Classes

Dropping courses may jeopardize eligibility, progress towards graduation and post-secondary options. Courses dropped after the tenth week from the start of the semester may be recorded as an F. Appeals may be made to the building principal. Students who select full credit courses are expected to remain in the class for the full year. Students may not drop required or core classes and must maintain a full schedule of classes. In many cases, this will mean that drop requests cannot be accommodated.

The ONLY reasons to drop are:

- To meet a graduation requirement
- To correct an administrative error
- If the student does not meet the pre-requisite for the class



Extraordinary Educational
Experiences

Counselors and Gifted Resource Specialists

High School Counselor Assignments				
School	Counselors/Registrars	Phone	Responsibility	Email
North Kansas City (816) 321-5310	Amanda Olvera, Chair	321-4782	Human Services Pathway	amanda.olvera@nkcschools.org
	Shelli Copas	321-6887	Health & Wellness Pathway	shelli.copas@nkcschools.org
	Maria Deister	321-4461	DIT Pathway	maria.deister@nkcschools.org
	Michelle Washington	321-5791	BLE Pathway	michelle.washington@nkcschools.org
	Tara Hamilton	321-4974	Assistant	tara.hamilton@nkcschools.org
	Tabatha Wano	321-6365	Registrar	tabatha.wano@nkcschools.org
Oak Park (816) 321-5320	Larry Katzif, Chair	321-4929	DIT Pathway	larry.katzif@nkcschools.org
	Jennifer Shafer	321-4485	Human Services Pathway	jennifer.shafer@nkcschools.org
	Marlene Nay	321-5802	BLE Pathway	marlene.nay@nkcschools.org
	Julie Clemens	321-4287	Health & Wellness Pathway	julie.clemens@nkcschools.org
	Robyn Vogel	321-6023	Assistant	robyn.vogel@nkcschools.org
	Shelly Sayre	321-6579	Registrar	shelly.sayre@nkcschools.org
Staley (816) 321-5330	James McNeely, Chair	321-5702	DIT Pathway	james.mcneely@nkcschools.org
	Mallory Parra	321-6117	Human Services Pathway	mallory.parra@nkcschools.org
	Kevin McAdam	321-4101	Health & Wellness Pathway	kevin.mcadam@nkcschools.org
	Paige Schillig	321-6862	BLE Pathway	paige.schillig@nkcschools.org
	Kelley Lewis	321-5335	Assistant	kelley.lewis@nkcschools.org
	Jennifer Long	321-5570	Registrar	jennifer.long@nkcschools.org
Winnetonka	Jennifer Ford, Chair	321-4852	Health & Wellness Pathway	jennifer.ford@nkcschools.org
	Tabitha Todd	321-6251	Business Pathway	tabitha.todd@nkcschools.org
	DeVaughn Hurt	321-6681	Human Services Pathway	devaughn.hurt@nkcschools.org
	Todd Maher	321-6575	DIT Pathway	todd.maher@nkcschools.org
	Shana Johnson	321-4908	Assistant	shana.johnson@nkcschools.org
	Mindy McFarland	321-4707	Registrar	melinda.mcfarland@nkcschools.org

Gifted Resource Specialist Assignments				
School	Gifted Resource Specialist	Phone	Responsibility	Email
NKCHS	Marcus Myers	321-5794	Gifted	marcus.myers@nkcschools.org
OPHS	Lori Dameron	321-4432	Gifted	lori.dameron@nkcschools.org
SHS	Carol Toney	321-6302	Gifted	carol.toney@nkcschools.org
WHS	Melanie Warner	321-6371	Gifted	Melanie.warner@nkcschools.org

College & Career Pathways



All incoming 9th graders at Winnetonka will participate in one of four “schools within a school” based on their area of interest:

- School of Human Services
- School of Business, Leadership and Entrepreneurship
- School of Design, Innovation and Technology
- School of Health and Wellness

Within each school, students then select a focus area of study, or “pathway,” designed to provide students with a four-year course of study to prepare them and introduce them to a future college major and/or rewarding career post-graduation.

School of Human Services

RELATED INDUSTRY CAREERS:

Teacher, Police Officer, Psychologist, Social Worker, Attorney, Public Administration

The School of Human Services provides students with the opportunity to participate in a continuum of real-world, community-based learning experiences and collaborative projects, inspiring them to expand their thinking beyond their individual selves. Students are encouraged to serve, support and care for others in the global world with compassion, empathy and equity.

Public Service Pathway – learn how to make a career out of helping others in the community, from first responders to teachers and charity administrators.

Service Industry Pathway – open the door to an exciting future in this diverse field as you study the dynamic relationship between consumers and producers.

	9 th Grade Courses	10 th Grade Courses	11 th Grade Courses	12 th Grade Courses
Technical Core: Service Industry Pathway	Intro to Human and Public Services	Interpersonal Communication	Sociology College Fundamentals of Effective Speaking & Listening ++	Human Services Capstone
Technical Core: Public Services Pathway	Intro to Human and Public Services	Interpersonal Communication	Sociology College Fundamentals of Effective Speaking & Listening ++	Human Services Capstone
ELA	ELA I *	ELA II *	Honors Comp and Lit. College English* ++ AP Eng Language & Composition ++	College English* ++ AP Eng Literature ++
Math	Algebra I *	Geometry *	Algebra II	College Algebra ++ Statistics ++
Science	Biology *	Chemistry *	Environmental Science	AP Biology ++ AP Chemistry ++
Social Studies	World History * AP Human Geography ++	US History *	College Government * ++ AP Government ++	AP Comparative Gov't & Politics ++ AP Psychology ++

Replacement and Advanced courses are available for students. Courses listed are the required minimum.

* indicates required course

++ indicates college level courses

School of Business, Leadership and Entrepreneurship

School of **Business, Leadership and Entrepreneurship**

RELATED INDUSTRY CAREERS:

Entrepreneur, Sales Manager, Marketing Specialist, Financial Advisor, Accountant, Small Business Owner

Students in the School of Business, Leadership and Entrepreneurship collaborate to tackle problems, design solutions, and participate in industry-focused projects leveraging individual, cultural, ethnic and racial backgrounds. Using authentic industry protocols, students showcase their professional business and communication skills necessary to compete in a culturally diverse market.

Business Pathway – master the principles of entrepreneurship and innovation while learning the skills necessary to become a game changer in any business field.

Marketing Pathway – prepare for a multitude of careers through a versatile program that focuses on design foundations, sports marketing and more.

	9 th Grade Courses	10 th Grade Courses	11 th Grade Courses	12 th Grade Courses
Technical Core: Business Pathway	Foundations of Business	Business Management Computer Applications	Entrepreneurship	Entrepreneurship Capstone
Technical Core: Marketing Pathway	Foundations of Business	Marketing Principles	Marketing Advanced Sports Marketing	Marketing Capstone
ELA	ELA I *	ELA II *	Honors Comp and Lit. College English *++ AP Eng Language & Composition ++	College English* ++ AP Eng Literature ++
Math	Algebra I *	Geometry *	Algebra II	College Algebra ++ AP Statistics ++
Science	Biology *	Chemistry *	Environmental Science	AP Biology ++ AP Chemistry ++
Social Studies	World History * AP Human Geography ++	US History *	College Government * ++ AP Government ++	AP Psychology ++ Sociology

Replacement and Advanced courses are available for students. Courses listed are the required minimum.

* indicates required course

++ indicates college level courses

School of Design, Innovation and Technology

School of **Design, Innovation and Technology**

RELATED INDUSTRY CAREERS:
Engineer (Mechanical, Electrical, Civil), Electrician, Plumber, Construction Project Manager, Graphic Designer

Students in the School of Design, Innovation and Technology collaborate with community, business and industry partners to create authentic, innovative solutions for real world challenges. By utilizing a continuum of work-based learning initiatives, students showcase their knowledge through the collaboration of arts and technology.

STEM Pathway – open the door to a wealth of career possibilities in this innovative field and experience firsthand how science, technology, engineering and math work together to affect and enhance human life.

Creative Design Pathway – unleash your individual creativity and expression to engage in the creative process as you invent, solve and reimagine the visuals of our future.

	9 th Grade Courses	10 th Grade Courses	11 th Grade Courses	12 th Grade Courses
Technical Core: Engineering Pathway	College Introduction to Engineering Design- PLTW ++	College Principles of Engineering - PLTW ++	College Civil Engineering & Architecture - PLTW ++	College Engineering Design & Development - PLTW ++
Technical Core: Computer Science Pathway	College Computer Science Essentials - PLTW ++	AP/College Computer Science Principles - PLTW ++	College Cybersecurity - PLTW ++	College Computer Science A - PLTW ++
Technical Core: Creative Design Pathway	Creative Design I	Creative Design II	Creative Design III	AP Art and Design Studio ++
ELA	ELA I *	ELA II *	Honors Comp and Lit. College English *++ AP Eng Language & Composition +++	College English* ++ AP Eng Literature ++
Math	Algebra I *	Geometry *	Algebra II	College Algebra ++ Pre-Calculus Statistics
Science	Biology *	Chemistry *	Physics	AP Chemistry ++ AP Physics ++
Social Studies	World History * AP Human Geography ++	US History *	College Government * ++ AP Government ++	AP Psychology ++ -Sociology

Replacement and Advanced courses are available for students. Courses listed are the required minimum.

* indicates required course ++ indicates college level courses

School of Health and Wellness

School of **Health and Wellness**

RELATED INDUSTRY CAREERS:

Registered Nurse, Physician & Surgeon, Licensed Practical & Vocational Nurse, Pharmacist, Physical Therapist, Veterinarian

Students in the School of Health and Wellness use authentic, hands-on experiences and collaborative projects to learn the fundamental concepts of medicine and everyday wellbeing. Various careers in the medical field are explored through field trips, personal interactions with professionals, and coursework that is both relevant and purposeful.

Health Services Pathway – learn all about the human body and medical interventions as you are introduced to a variety of different professions within the healthcare industry.

Wellness Pathway – examine the relationship between the mind and body in health and wellness through curriculum that includes therapy studies and brain development.

	9 th Grade Courses	10 th Grade Courses	11 th Grade Courses	12 th Grade Courses
Technical Core: Health Pathway	College Principles of Biomedical Science – PLTW ++	College Human Body Systems – PLTW ++	College Medical Interventions – PLTW ++	College Biomedical Innovations – PLTW ++
Technical Core: Wellness Pathway	College Principles of Biomedical Science - PLTW ++	Therapy Studies and Brain Development	AP Psychology++	College Biomedical Innovations – PLTW ++
ELA	ELA I *	ELA II *	Honors Comp and Lit. College English *++ AP Eng Language & Composition ++	College English* ++ AP Eng Literature ++ AP Research ++
Math	Algebra I *	Geometry *	Algebra II	College Algebra ++ AP Calculus ++ AP Statistics ++
Science	Biology *	Chemistry *	AP Biology ++ Anatomy and Physiology	AP Chemistry ++
Social Studies	World History * AP Human Geography ++	US History *	College Government * ++ AP Government ++	Psychology AP Psychology ++ AP US History++

Replacement and Advanced courses are available for students. Courses listed are the required minimum.

* indicates required course ++ indicates college level courses

9th Grade Courses




English Language Arts

English Language Arts I 
Honors English Language Arts I


English Language Arts Electives

Debate I
Journalism 1
Speech Communication


Mathematics

Algebra I 
Algebra II 
Geometry 
Honors Algebra II
Honors Geometry

Science

Biology 
Coll Principles of Biomed Science -
PLTW
Honors Biology

Social Studies

AP Human Geography
Honors World History
World History 

Technical Core

School of Human Services

Introduction to Human & Public
Services

School of BLE

Foundations of Business



School of DIT

College Introduction to Engineering
Design- PLTW
College Computer Science Essentials -
PLTW
Creative Design I

School of Health & Wellness

College Principles of Biomedical
Science – PLTW



Global Language

French I 
French II 
German I 
Spanish I 
Spanish II 
Spanish for Heritage Speakers

Fine Arts

Art 1
Visual Art Photography
Chamber Orchestra
Concert Band
Music Appreciation
Jazz Band
Symphonic Band
Symphonic Orchestra
Bass Choir
Mixed Choir
Treble Choir
Competitive Drama
Theater I

Physical Education

Adaptive Physical Education
Aerobics
Health **(Mo Grad Req)** 
Lifetime Activities
Physical Education 
Strength & Conditioning I
Strength & Conditioning II

General Electives

AVID 9
Marching Auxiliary
Pathways Ambassadors

Practical Arts

Business Law
AP College Comp Science Principles -
PLTW
College Computer Science Essentials -
PLTW
Computer Applications
Foods for Life
Fashion Product Development
Interior Design
Child Development I
Child Development II
Journalism 1
Journalism 1 Broadcast
Journalism 1 Photography
Home Maintenance & Repair
Woodworking I
College Intro to Engineering Design -
PLTW

10th Grade Courses






English Language Arts

English Language Arts II 
Honors English Language Arts II


English Language Arts Electives

Advanced Debate
Debate I
Journalism I
Speech Communication

Mathematics

Algebra I 
Algebra II 
AP Statistics 
College Algebra 
College Calculus I/AP Calculus A/B
College Calculus II/AP Calculus B/C
College PreCalculus
Geometry 
Honors Algebra II
Honors Geometry
Honors PreCalculus
Statistics
Transition to College Algebra

Science

Chemistry 
Honors Chemistry
Coll Human Body Systems-PLTW
College Physics
Coll Principles of Biomedical Science -
PLTW
Human Anatomy & Physiology
Physics




Social Studies

AP Human Geography
AP Psychology
AP United States History
AP World History: Modern
College World History
Honors US History
College US History
Military History
Psychology
US History


Technical Core

School of Human Services
Interpersonal Communication
School of BLE
Business Management
Computer Applications
Marketing Principles
School of DIT
College Principles of Engineering - PLTW
AP/College Computer Science
Principles-PLTW
Creative Design II
School of Health & Wellness
College Human Body Systems -
PLTW
Therapy Studies & Brain
Development

Global Language

French I 
French II 
College French III
Spanish I 
Spanish II 
College Spanish III
Spanish for Heritage Speakers I
Spanish for Heritage Speakers II

Fine Arts

Advanced Visual Art Photography
AP Art History
Art I
Clay & Sculpture: 3D Medias
Drawing, Painting, & Printmaking:
2D Medias
Graphic Design
Visual Art Photography
Chamber Orchestra
Concert Band
Jazz Band
Music Appreciation
Music Theory 
Symphonic Band
Symphonic Orchestra
A Cappella Choir
Bass Choir
Chamber/Show/Jazz Choir
Mixed Choir



Fine Arts (con't)

Treble Choir
Varsity Treble Choir
Advanced Competitive Drama
Competitive Drama
Theater I
Theater II





Physical Education

Adaptive Physical Education
Aerobics
Health (**MO Grad Req**) 
Lifetime Activities
Physical Education 
Strength & Conditioning I
Strength & Conditioning II
Team Sports

General Electives

Personal Finance (**MO Grad Req**) 
ACT Prep & College Transitions 
AVID 10
College Introduction to Teaching
Marching Auxiliary
Peer Mentor
Stagecraft

Practical Arts

Accounting I 
Business Law
Business Management
Marketing Principles
Sports Marketing I
AP College Computer Science A-PLTW 
AP Coll Comp Science Principles-PLTW 
Coll Comp Science Essentials-PLTW
Computer Applications 
Foods for Life
International Foods
ProStart Foods Level I
Interior Design
Fashion/Interior Design & Merch.
Fashion Product Development
Advanced Fashion Product
Development
Child Development I
Child Development II
Self-Development I

10th Grade Courses (continued)

Practical Arts (con't)

Self-Development II
Journalism 1
Journalism 1 Broadcast
Journalism 1 Photography
Journalism 2 Broadcast
Journalism 2 Magazine Across Platforms
Journalism 2 Yearbook
Journalism 2 Sports Broadcasting
Journalism 3 Digital Laboratory
Home Maintenance & Repair
Woodworking I
Woodworking II
College Intro to Engineering Design-PLTW
College Principles of Engineering-PLTW
College Civil Engineering & Architecture -
PLTW

Northland Career Center

(Off campus)

Agricultural Sciences – Plant Systems
Agricultural Sciences – Animal Systems

Students must pass the MCEI (Missouri Civics Education Initiative) Exam as a requirement for graduation. This test is given through the Social Studies Department.

11th Grade Courses

English Language Arts

American Lit & Comp
AP English Lang & Comp
AP English Lit & Comp 📖
British Lit & Comp
College English
Honors Comp & Lit
Multicultural Lit & Comp

English Language Arts Electives

Advanced Debate
AP Research
College Fundamentals of Effective Speaking & Listening
Creative Writing 📖
Debate I
Fundamentals of Effective Speaking & Listening
Journalism 1
Mythology & Classical Lit & Comp
Short Story
Speech Communication

Mathematics

Algebra I 📖
Algebra II 📖
AP Statistics 📖
College Algebra 📖
College Calculus I/AP Calculus A/B
College Calculus II/AP Calculus B/C
College PreCalculus
Geometry 📖
Honors Algebra II
Honors Geometry
Honors PreCalculus
Statistics
Transition to College Algebra

Social Studies

AP Comparative Gov't & Politics
AP Government Politics US 📖
AP Human Geography
AP Psychology 📖
AP US History 📖
College US History
AP World History: Modern
College World History
College US Government
Military History

Social Studies (con't)

Psychology
Sociology 📖

Science

AP Biology
AP Chemistry
AP Physics 1 📖
AP Physics 2
Chemistry 📖
College Biology
College Chemistry/Honors Chemistry II
College Human Body Systems - PLTW
College Medical Interventions - PLTW
College Physics
College Principles of Biomedical Science-PLTW
Environmental Science
Exercise Science
Honors Chemistry
Human Anatomy & Physiology
Physics

Technical Core

School of Human Services

Sociology
College Fundamentals of Effective Speaking & Listening

School of BLE

Entrepreneurship
Marketing Advanced
Sports Marketing

School of DIT

College Civil Engineering & Architecture-PLTW++
College Cybersecurity-PLTW++
Creative Design III

School of Health & Wellness

College Medical Interventions-PLTW++
AP Psychology

Global Language

French I 📖
French II 📖
College French III
College French IV
Spanish I 📖
Spanish II 📖
College Spanish IV

Global Language (con't)

Spanish for Heritage Speakers I
Spanish for Heritage Speakers II

Physical Education

Adaptive Physical Education
Aerobics
Health (**MO Grad Req**) 📖
Lifetime Activities
Strength & Conditioning I
Strength & Conditioning II
Team Sports

Fine Arts

Advanced Visual Art Photography
AP Art and Design
AP Art History
Art I
Clay & Sculpture: 3D Media
Drawing, Painting, & Printmaking: 2D Media
Graphic Design
Visual Art Photography
AP Music Theory
Chamber Orchestra
Concert Band
Jazz Band
Music Appreciation
Music Theory 📖
Symphonic Band
Symphonic Orchestra
A Cappella Choir
Bass Choir
Chamber/Show/Jazz Choir
Mixed Choir
Treble Choir
Varsity Treble Choir
Advanced Competitive Drama
Competitive Drama
Theater I
Theater II
Theater III
College Theater: Foundations of Fine Arts
Theater Special Projects

General Electives

ACT Prep & College Transitions
Adaptive Physical Education Assistant
AP Research
AP Seminar
AVID 11
College Introduction to Teaching Leadership

11th Grade Courses (continued)

General Electives (con't)

Leadership for School Climate & Culture
Marching Auxiliary
Peer Mentor
Personal Finance (**MO Grad Req**)
Stagecraft

Practical Arts

Accounting I 
Accounting II
Business Law
Business Management
AP College Computer Science A-PLTW
AP College Computer Science
Principles-PLTW
College Computer Science Essentials-PLTW
Computer Applications
Computer Programming Capstone
College Marketing
Entrepreneurship
Marketing Advanced
Marketing Internship (**off campus**)
Marketing Principles
Sports Marketing I
Sports Marketing II
Foods for Life
International Foods
ProStart Foods Level I
ProStart Foods Level II
Interior Design
Advanced Fashion Product Development
Fashion Product Development
Fashion/Interior Design & Merchandising
Child Development I
Child Development II
Child Development Learning Center I
Child Development Learning Center II

Practical Arts (con't)

College Intro to Teaching
FACS Internship (**off campus**) 
Interpersonal Relationships
Self-Development I
Self-Development II
Journalism 1
Journalism 1 Photography
Journalism 1 Broadcast
Journalism 2 Magazine Across Platforms
Journalism 2 Yearbook
Journalism 2 Broadcast
Journalism 2 Sports Broadcasting
Journalism 3 Digital Laboratory
Communications Capstone (**off campus**)
Home Maintenance & Repair
Woodworking I
Woodworking II
Woodworking III
College Civil Engineering & Architecture-PLTW
College Digital Electronics-PLTW
College Intro Engineering Design-PLTW
College Principles of Engineering-PLTW

CTEC (**off campus**)

Automotive Technology I
Technical English Language Arts
Technical Mathematics

MCC Advanced Technical Skills Institute (**off campus**)

College Building Maintenance and Construction (KCCCA)
College Engineering Technology I
College Heating, Ventilation & Air-Conditioning I
College Welding

Northland CAPS (**off campus**)

Digital Media & Design
Engineering & Advanced Manufacturing
Global Business and Logistics
Medicine and Healthcare
Technology Solutions

Class Act Coffee (**off campus**)

Entrepreneurial Studies

Northland Career Center (**off campus**)

Agricultural Sciences-Plant Systems
Agricultural Sciences-Animal Systems
Aviation Technology I
Construction Technology I
Culinary Arts I
Diesel Technology - Med/Heavy Duty Truck Systems
Diesel Technology - Engines & Electrical/Electronic Systems
Health Sciences I
Heating, Cooling & Climate Control I
Industrial Welding I
IT Professionals I
Law Enforcement/CSI I
Industrial Welding I

Students must pass the MCEI (Missouri Civics Education Initiative) Exam as a requirement for graduation. This test is given through the Social Studies Department.

12th Grade Courses

English Language Arts

American Lit & Comp
AP English Lang & Comp
AP English Lit & Comp
British Lit & Comp
College English
Honors Comp & Lit
Multicultural Lit & Comp

English Language Arts Electives

Advanced Debate
AP Research
Argumentation & Debate III/IV
College Argumentation & Debate III/IV
College Fundamentals of Effective Speaking & Listening
Creative Writing
Debate I
Fundamentals of Effective Speaking & Listening
Journalism 1
Mythology & Classical Lit & Comp
Short Story
Speech Communication

Mathematics

Algebra I
Algebra II
AP Statistics
College Algebra
College Calculus I/AP Calculus A/B
College Calculus II/AP Calculus B/C
College PreCalculus
Geometry
Honors Algebra II
Honors Geometry
Honors PreCalculus
Statistics
Transition to College Algebra

Social Studies

AP Comparative Gov't & Politics
AP Government Politics US
AP Human Geography
AP Psychology
AP US History
College US History
AP World History: Modern
College World History

Social Studies (con't)

College US Government
Military History
Psychology
Sociology

Science

AP Biology
AP Chemistry
AP Physics 1
AP Physics 2
Chemistry
College Biology
College Biomedical Innovations-PLTW
College Chemistry/Honors Chem II
College Human Body Systems-PLTW
College Medical Interventions-PLTW
College Physics
College Principles of Biomedical Science-PLTW
Environmental Science
Exercise Science
Honors Chemistry
Human Anatomy & Physiology
Physics

Global Language

French I
French II
College French III
College French IV
College French V
College German III
College German IV
College German V
Spanish I
Spanish II
College Spanish III
College Spanish IV
College Spanish V
Spanish for Heritage Speakers I
Spanish for Heritage Speakers II

Physical Education

Adaptive Physical Education
Aerobics
Health **(MO Grad Req)**

Physical Education (con't)

Lifetime Activities
Strength & Conditioning I
Strength & Conditioning II
Team Sports

Fine Arts

Advanced Visual Art Photography
AP Art and Design
AP Art History
Art I
Clay & Sculpture:3D Media
Drawing, Painting, & Printmaking:
2D Media
Graphic Design
Visual Art Photography
AP Music Theory
Chamber Orchestra
Concert Band
Jazz Band
Music Appreciation
Music Theory
Symphonic Band
Symphonic Orchestra
A Cappella Choir
Bass Choir
Chamber/Show/Jazz Choir
Mixed Choir
Treble Choir
Varsity Treble Choir
Advanced Competitive Drama
Competitive Drama
Theater I
Theater II
Theater III
Theater IV
College Theater: Foundations of Fine Arts
Theater Special Projects

General Electives

ACT Prep & College Transitions
AVID 12
Adaptive PE Assistant
AP Research
AP Seminar
College Intro to Teaching
Leadership
Leadership for School Climate & Culture
Marching Auxiliary
Peer Mentor
Personal Finance **(MO Grad Req)**
Stagecraft

12th Grade Courses (continued)

Practical Arts

Accounting I 🖨️
Accounting II
Business Law
Business Management
AP College Computer Science A -
PLTW 🖨️
AP College Computer Science
Principles-PLTW 🖨️
College Computer Science
Essentials-PLTW
College Cyber Security-PLTW
Computer Applications 🖨️
Computer Programming Capstone
College Marketing
Entrepreneurship
Marketing Advanced
Marketing Internship (*off campus*)
Marketing Principles
Sports Marketing I
Sports Marketing II
Foods for Life
International Foods
ProStart Foods Level I
ProStart Foods Level II
Interior Design
Advanced Fashion Product Dev.
Apparel Construction
Fashion Product Development
Fashion/Interior Design & Merch.
Child Development I
Child Development II
Child Development Learning Center I
Child Development Learning Center II
College Intro to Teaching
FACS Internship (*off campus*) 🖨️
Interpersonal Relationships
Self-Development I
Self-Development II
Journalism 1
Journalism 1 Broadcast
Journalism 1 Photography
Journalism 2 Broadcast
Journalism 2 Magazine Across
Platforms

Practical Arts (con't)

Journalism 2 Yearbook
Journalism 2 Sports Broadcasting
Journalism 3 Digital Laboratory
Communications Capstone (*off campus*)
Home Maintenance & Repair
Woodworking I
Woodworking II
Woodworking III
Woodworking IV
College Civil Eng. & Architecture -
PLTW
College Digital Electronics-PLTW
College Intro to Engineering Design-
PLTW
College Principles of Engineering -
PLTW
College Engineering Design &
Development-PLTW

CTEC (*off campus*)

Automotive Technology I
Technical English Language Arts
Technical Mathematics

Northland CAPS (*off campus*)

Digital Media & Design
Engineering and Advanced
Manufacturing
Global Business and Logistics
Medicine and Healthcare
Technology Solutions

Northland Career Center (*off campus*)

Agricultural Sciences-Plant Systems
Agricultural Sciences-Animal Systems
Aviation Technology I
Aviation Technology II
Construction Technology I
Construction Technology II
Culinary Arts I
Culinary Arts II
Diesel Technology – Med/Heavy Duty
Truck Systems

Northland Career Center (*off campus, con't*)

Diesel Technology – Engines &
Electrical/Electronic Systems
Health Sciences I
Health Sciences II
Heating, Cooling & Climate Control I
Heating, Cooling & Climate Control II
Industrial Welding II
Industrial Welding, one-year-cert.
IT Professionals I
IT Professionals II
Law Enforcement/CSI I
Law Enforcement/CSI II
Production Technologies I
Productions Technologies II
Teaching Professions I
Teaching Professions II
Teaching Professions, one-year-cert.

Class Act Coffee (*off campus*)

Entrepreneurial Studies

MCC Advanced Technical Skills Institute (*off campus*)

College Engineering Technology I
College Engineering Technology II
College Automation of Industrial
Machines I
College Automation of Industrial
Machines II
College Heating, Ventilation & Air-
Conditioning I
College Heating, Ventilation & Air-
Conditioning II
College Welding
College Building Maintenance and
Construction (KCCCA)

Students must pass the MCEI (Missouri Civics Education Initiative) Exam as a requirement for graduation. This test is given through the Social Studies Department.

English Language Arts

Career/College Readiness Diploma (4 units required)

9 th Grade	10 th Grade	11 th Grade	12 th Grade
ELA I Honors ELA I	ELA II Honors ELA II	AP Language & Composition AP Literature & Composition American Literature & Composition British Literature & Composition Honors Literature & Composition College English	AP Language & Composition AP Literature & Composition College English Honors Literature & Comp AP Research Mythology & Classical Lit/Comp

Gold Medallion Diploma (4 units required)

9 th Grade	10 th Grade	11 th Grade	12 th Grade
ELA I Honors ELA I	ELA II Honors ELA II	AP Language & Composition AP Literature & Composition College English Honors Literature & Composition	AP Language & Composition AP Literature & Composition College English AP Research


Available in Launch
(Online learning)


Weighted


Gold Medallion course


Potential to earn
college credit


Off Campus

English Language Arts I

Course ID:	ELA100	Credit:	1	Grade Level:	9
Prerequisite:	None				

Course Description: This course emphasizes reading, writing, speaking, listening, technology, and research skills. Reading informational text/nonfiction includes multicultural literature selections including short stories, plays, novels, poetry, and biographies. Course content would include literary analysis, writing compositions (include argumentative, expository/informative, and narrative), and research essays. **This course will have an industry emphasis dependent upon the student's pathway selection.**

Honors English Language Arts I

Course ID:	ELA106	Credit:	1	Grade Level:	9
Prerequisite:	None				

Course Description: This course emphasizes reading, writing, speaking, listening, technology, and research skills within a more challenging curriculum for freshmen. The course incorporates higher level thinking skills in written and oral communications and involves intense study on the writing process and literary analysis. In addition, this course will help prepare students for Advanced Placement or College English courses. This is a rigorous literary/writing course and requires independent work that will be completed outside of class. **This course will have an industry emphasis dependent upon the student's pathway selection.**

North Kansas City Schools

43

Winnetonka 2023-24 CPEG Grades 9-11

English Language Arts II



Course ID: ELA200 Credit: 1 Grade Level: 10
Prerequisite: English Language Arts I

Course Description: This course emphasizes reading, writing, speaking, listening, technology, and research skills, and builds upon skills from the previous English Language Arts courses. Broad-based, multicultural reading selections include short stories, plays, novels, poetry, and biographies. Course content would include literary analysis, writing compositions (include argumentative, expository/informative, and narrative), and research essays

Honors English Language Arts II



Course ID: ELA209 Credit: 1 Grade Level: 10
Prerequisite: English Language Arts I

Course Description: This intensely-paced honors course includes literature and composition designed for students who have mastered the basics of the English Language Arts curriculum and wish to be challenged by a deeper and broader study. The course incorporates student practice in reading, literary analysis, oral and written communications, and vocabulary development. Students will be expected to read novels as well as other text selections. In addition, this course will help prepare students for Advanced Placement or College English courses. This is a rigorous literary/writing course and requires independent work that will be completed outside of class.

Journalism 1

Course ID: MED104 Credit: 1 Grade Level: 9, 10, 11, 12*
Prerequisite: Priority will be given to students in grades 9-11. Grade 12 students may enroll if course numbers allow.

Course Description: This is an introductory course for work in news, editorial, and feature writing, grammar, editing, design, multi-media production, as well as media law and ethics. Students entering the course should have above average writing skills. Students are not required to own a camera; the school may provide a camera. This is a preparatory course for Journalism 2 Yearbook and Journalism 2 Magazine Across Platforms. **For additional Journalism courses, see Practical Arts – Journalism section.**

Debate I

Course ID: SPT100 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: None

Course Description: Competitive Debate I is an introductory course to develop critical thinking, teach structured argumentation, and introduce basic library research skills. Students practice written communication and perform oral communication of the events introduced. Debate topics are decided by the National Speech and Debate Association. **Participation in interscholastic competition in Friday and Saturday tournaments is required. Students must remain eligible as defined by MSHSAA.**

Advanced Debate

Course ID: SPT204 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: Debate I

Course Description: Advanced Debate is designed as a complete study of the national debate topics. Higher-level reasoning skills, critical thinking, basic theories of argumentation and library research are required. Emphasis will be on oral presentational skills in a minimum of two events. **Participation in interscholastic debate competitions in Friday and Saturday tournaments is required on a regular basis. Students must remain eligible as defined by MSHSAA.**

Speech Communication

Course ID: SPT205 Credit: .5 Grade Level: 9, 10, 11, 12
Prerequisite: None

Course Description: In this introductory course students have an opportunity to gain skill, confidence, and fluency in public speaking. Students develop an understanding of both basic communication principles and public speaking strategies through their application of these principles to a variety of speaking assignments.

Literacy Methods

Course ID: ELA210 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: Teacher Approval

Course Description: The course is designed to help students be proficient in the essential elements of literacy. Refinement of skills will include phonics, fluency, vocabulary, word recognition, spelling, grammar, speaking and writing, as well as listening and reading comprehension. All strategies taught will foster the reading/writing/thinking connection. The strategies and knowledge students gain from this course will be applied directly to academic courses.

American Literature & Composition

Course ID: ELA301 Credit: 1 Grade Level: 11, 12
Prerequisite: English Language Arts II

Course Description: This course examines the American literary ideals and culture from early settlement days through the 20th century. Skills emphasized include reading, literary analysis, writing, research, technology, and vocabulary development. A major research paper in MLA format is included.

British Literature & Composition

Course ID: ELA310 Credit: 1 Grade Level: 11, 12
Prerequisite: English Language Arts II

Course Description: This college prep course examines the British literary traditions, ideals, and culture from the 6th to the 20th century. Skills emphasized include reading, writing, research, technology, and vocabulary development. A major research paper in MLA format is included.

Multicultural Literature & Composition

Course ID: ELA306 Credit: 1 Grade Level: 11, 12
Prerequisite: English Language Arts II

Course Description: This course examines contemporary multicultural authors that exist inside and outside of the United States. Topics of discussion will include diversity appreciation, cultural differences and similarities, and multiculturalism. Skills emphasized include reading, writing, literary analysis, research, technology, and vocabulary development. A major research paper in MLA format is included.

College English



Course ID: ELA304 Credit: 1 Grade Level: 11, 12
Prerequisite: English Language Arts II

Course Description: This course offers students the opportunity to study the English language at the college level through reading and composition and to earn college credit. Students will analyze and interpret samples of good writing, apply effective strategies in their own writing, produce expository, analytical, and argumentative compositions, and demonstrate mastery of standard written English. This is a rigorous literary/writing course and requires independent work that will be completed outside of class.

Honors Composition & Literature



Course ID ELA309 Credit: 1 Grade Level: 11, 12
Prerequisite: English Language Arts II

Course Description: This course is a composition and literature course with emphasis on the reading and writing needed for college. Students will study grammar, vocabulary, usage, and research skills. Students will write literary criticism, expository essays, and a research paper. Readings will include essays and classical literature. This is a rigorous literary/writing course and requires independent work that will be completed outside of class.

Mythology and Classical Literature & Composition

Course ID ELA307 Credit: 1 Grade Level: 11, 12
Prerequisite: English Language Arts II

Course Description: This course focuses on myth and legend from diverse cultures and across time. Students will be asked to think deeply and express themselves articulately. Reading, vocabulary enrichment, composition, and discussion will be emphasized. Course content would include literary analysis, writing compositions (include argumentative, expositive/ informative, and narrative), and research essays.

Short Story

Course ID ELA312 Credit: .5 Grade Level: 11, 12
Prerequisite: English Language Arts II

Course Description: This is a survey course of American, European, multi-ethnic, and a variety of short stories from classic to contemporary authors. The course includes reading, writing, discussion, presentations, and a general study of the short story as a literary form. Course content would include literary analysis, writing compositions (include argumentative, expositive/informative, and narrative), and research essays.

Creative Writing



Course ID ELA311 Credit: .5 Grade Level: 11, 12
Prerequisite: English Language Arts II

Course Description: This is a survey course of American, European, multi-ethnic, and a variety of short stories from classic to contemporary authors. The course includes reading, writing, discussion, presentations, and a general study of the short story as a literary form. Course content would include literary analysis, writing compositions (include argumentative, expositive/informative, and narrative), and research essays.

AP English Language & Composition



Course ID ELA302 Credit: 1 Grade Level: 11, 12
Prerequisite: English Language Arts II

11th Grade: Must have completed Honors ELA - 12th Grade: Must have completed 3 years of ELA

Expectation: Students taking an AP course are expected to take the Advanced Placement Exam during the spring semester.

Course Description: This course offers students the opportunity to study the English language at the college level through reading and composition and to earn college credit through satisfactory performance on the Advanced Placement Exam. Students will analyze and interpret samples of good writing, apply effective strategies in their own writing, produce expository, analytical, and argumentative compositions, and demonstrate mastery of standard written English. This is a rigorous literary/writing course and requires independent work that will be completed outside of class.

Fundamentals of Effective Speaking & Listening

Course ID SPT306 Credit: .5
Prerequisite: None

Grade Level: 11, 12

Course Description: This course will primarily cover the study and practice of public speaking. Lectures and assignments are designed to provide a theoretical grounding and an opportunity to apply that theory through the presentation and analysis of public speeches. This course is concerned with assisting you become a better public speaker as well as a better consumer of public communication.

College Fundamentals of Effective Speaking & Listening



Course ID SPT304 Credit: .5
Prerequisite: None

Grade Level: 11, 12

Course Description: This course will primarily cover the study and practice of public speaking. Lectures and assignments are designed to provide a theoretical grounding and an opportunity to apply that theory through the presentation and analysis of public speeches. This course is concerned with assisting you become a better public speaker as well as a better consumer of public communication.

AP Research



Course ID RES303 Credit: 1
Prerequisite: AP Seminar

Grade Level: 11, 12

Course Description: AP Research is designed to allow you to dive into an academic topic, problem, or issue of individual interest. You will further develop the skills you acquired in the AP Seminar course by understanding research methods; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. The course culminates in an academic paper of 4,000-5,000 words and a presentation with an oral defense during which you will answer questions about your academic paper. In the AP Research course, you will employ research and inquiry methodology to develop, manage, and conduct an in-depth study or investigation of an area of student's own interest, culminating in a 4,000-5,000 word paper. You will also present (using appropriate media), and defend the research design, approach, and findings. Finally, you will document and reflect upon the research process and communication with mentor using a research log.

AP Research is the second course required to earn the AP Capstone diploma. This course can count as your 12th grade ELA graduation requirement.



Extraordinary Educational
Experiences

Mathematics

Career/College Readiness Diploma (4 units required)

9 th Grade	10 th Grade	11 th Grade	12 th Grade
Algebra I	Geometry	Algebra II	Transition to College Algebra/ Statistics (consecutive) Honors/College PreCalculus College Algebra
Algebra I	Honors Geometry	Honors Algebra II	Honors/College PreCalculus College Algebra AP Statistics College Algebra
Geometry *	Algebra II	Transition to College Algebra/Statistics (consecutive) Honors/College PreCalculus College Algebra	College Calculus I (AP Calculus A/B) Honors/College PreCalculus AP Statistics
Honors Geometry *	Honors Algebra II	Transition to College Algebra/ Statistics (consecutive) Honors/College PreCalculus College Algebra	College Algebra College Calculus I (AP Calculus A/B) Honors/College PreCalculus AP Statistics
Honors Algebra II **	Honors/College PreCalculus College Algebra AP Statistics	College Calculus I (AP Calculus A/B)	College Calculus II (AP Calculus B/C)

Gold Medallion Diploma (4 units required including upper-level classes)

9 th Grade	10 th Grade	11 th Grade	12 th Grade
Algebra I	Geometry	Algebra II	Honors/College PreCalculus College Algebra AP Statistics
Algebra I	Honors Geometry	Honors Algebra II	Honors/College PreCalculus College Algebra AP Statistics
Geometry *	Algebra II	Honors/College PreCalculus College Algebra AP Statistics	College Calculus I (AP Calculus A/B) AP Statistics
Honors Geometry *	Honors Algebra II	Honors/College PreCalculus College Algebra AP Statistics	College Calculus I (AP Calculus A/B) AP Statistics
Honors Algebra II **	Honors/College PreCalculus	College Calculus I (AP Calculus A/B) College Algebra AP Statistics	College Calculus II (AP Calculus B/C) College Calculus I (AP Calculus A/B)

* Must have had Algebra in 8th grade

** Must have had Geometry in 8th grade

Bolded courses are part of the required state assessments



Available in Launch
(Online learning)



Weighted



Gold Medallion course



Potential to earn
college credit



Off Campus

Algebra 1



Course ID: MTH100 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: None

Course Description: This course includes techniques in problem solving involving the real number system. An understanding of patterns, relations, and functions is introduced in this course. Students will learn how to represent and analyze mathematical situations and structures using algebraic symbols and how to use mathematical models to represent and understand quantitative relationships. This course also includes the analysis of change in various contexts. There will be an emphasis on algebraic concepts with applications in algebra, statistics, and probability.

Geometry



Course ID: MTH200 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: Algebra I

Course Description: This course involves the analysis of characteristics and properties of two- and three-dimensional shapes and the development of mathematical arguments about geometric relationships. Students in this course will learn how to specify locations and describe spatial relationships using coordinate geometry and other representational systems. They will apply transformations and use symmetry to analyze mathematical situations. Visualization, spatial reasoning, and geometric modeling will be used in this course to solve problems. There will be an emphasis on geometric concepts with applications in algebra, statistics, and probability.

Honors Geometry



Course ID: MTH205 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: Algebra I

Course Description: This course involves the analysis of characteristics and properties of two- and three-dimensional shapes and the development of mathematical arguments about geometric relationships, with an emphasis in writing formal proofs. Students in this course will learn how to specify locations and describe spatial relationships using coordinate geometry and other representational systems. They will apply transformations and use symmetry to analyze mathematical situations. Visualizations, spatial reasoning, and geometric modeling will be used in this course to solve problems. There will be an emphasis on geometric concepts with applications in algebra, statistics, and probability.

Algebra II



Course ID: MTH300 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: Geometry

Course Description: Students will be extending their understanding of patterns, relations, and functions. They will improve their abilities to represent and analyze mathematical situations and structures using algebraic symbols and use mathematical models to represent and understand quantitative relationships. Students will analyze change in various contexts. There will be an emphasis on algebraic concepts with applications in geometry, statistics, trigonometry, and probability.

Honors Algebra II



Course ID: MTH307 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: Honors Geometry

Course Description: The student will study functions and their transformations, coordinate geometry, matrices, and determinants, sequences and series, radicals, complex numbers, exponents, conic sections, probability, permutations, combinations, and simple statistics.

Transition to College Algebra

Course ID MTH512 Credit: .5 Grade Level: 10, 11, 12
Prerequisite: Algebra II

Course Description: Refinement of skills and concepts for college mathematics. Topics will include interpreting displays and graphs, working with functions (including linear, quadratic, and higher order), number systems, conics, elementary trigonometry, and discrete mathematical concepts. A scientific calculator is recommended.

College Algebra



Course ID MTH502 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: Algebra II or Transition to College Algebra and National Average on MATH ACT (20 or 21)

Note: 10th grade eligible for college credit depending on school/institution.

Course Description: Topics include relations and their graphs, ratios, proportion, variation, quadric and quadratic form equations, theory of higher degree equations, systems of equations, inequalities, conic, determinants, progression, and binomial theorem. A scientific calculator is recommended.

Honors PreCalculus



Course ID MTH511 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: Honors Algebra II or Algebra II with teacher recommendation; or Proficient or Advanced on Algebra II EOC; or above National Average on Math ACT (21)

Note: This course is only offered at North Kansas City and Oak Park.

Course Description: This course is designed for students interested in engineering, physics, chemistry, and other technical fields. Topics include trigonometric functions and identities, logarithms, and plane analytic geometry. Some concepts from Calculus are introduced. A strong background in previous math courses is essential for success in this course. A TI84+ graphing calculator is strongly recommended.

College PreCalculus



Course ID MTH513 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: Honors Algebra II or Algebra II with teacher recommendation; or Proficient or Advanced on Algebra II EOC; or above National Average on Math ACT (21)

Note: This course is only offered at Staley and Winnetonka.

Course Description: This course is designed for students interested in engineering, physics, chemistry, and other technical fields. Topics include trigonometric functions and identities, logarithms, and plane analytic geometry. Some concepts from Calculus are introduced. A strong background in previous math courses is essential for success in this course. A TI84+ graphing calculator is strongly recommended.

College Calculus I or AP Calculus A/B *



Course ID MTH503 or MTH505 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: College PreCalculus

Note: 10th grade eligible for college credit depending on school/institution.

**This course may be taught as dual credit or AP.*

Course Description: Introduction to single variable calculus. Topics include: intuitive treatment of limits and continuity, differentiation of elementary functions, curve sketching, extreme values, rates of change, areas, definite integral, and fundamental theorem of calculus. A TI84+ graphing calculator is strongly recommended.

College Calculus II or AP Calculus B/C *



Course ID MTH504 or MTH510 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: College Calculus I/AP Calculus A/B

Note: 10th grade eligible for college credit depending on school/institution.

**This course may be taught as dual credit or AP.*

Course Description: This course will cover the integral, applications of integral (including area, volume, center of mass, continuous probability), techniques of integration, first-order differential equations, sequences and series, conic sections, parametric equations, and polar equations.

Statistics

Course ID MTH204 Credit: .5 Grade Level: 10, 11, 12
Prerequisite: Algebra I

Course Description: This course instructs students in data gathering techniques, graphical display of data, and in making decisions based on data. It is especially helpful for those students planning careers in marketing, management, medicine, psychology, sociology, government, and education. A scientific calculator is recommended.

AP Statistics



Course ID MTH203 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: Algebra II

Expectation: Students taking an AP course are expected to take the Advanced Placement Exam during the spring semester.

Course Description: This is a rigorous course that will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will be exposed to four broad conceptual themes: exploring data, sampling, and experimentation, anticipating patterns, and statistical inference.



Extraordinary Educational
Experiences

Science

CLASS OF 2023 AND BEYOND

Career/College Readiness Diploma (3 units required, 4th unit recommended)

Gold Medallion Diploma (3 units required, 4th unit recommended)

9th Grade →

Honors Biology
Biology

10th Grade →

Honors Chemistry
Chemistry
Human Anatomy & Physiology

11th Grade →

Physics
AP Biology
College Biology
College Chemistry/Honors
College Physics*
AP Physics 1*
Human Anatomy & Physiology**
Environmental Science

12th Grade

College Chemistry/Honors
Chemistry II
AP Chemistry
College Physics
AP Physics 2
Human Anatomy & Physiology
Environmental Science

** May be enrolled concurrently with Honors Biology

Biomedical Pathway-Project Lead the Way

9th Grade →

College Principles of Biomedical
Science – PLTW

10th Grade →

College Human Body Systems –
PLTW

11th Grade →

College Medical Interventions –
PLTW

12th Grade

College Biomedical Innovations –
PLTW



Available in Launch
(Online learning)



Weighted



Gold Medallion course



Potential to earn
college credit



Off Campus

Biology



Course ID: SCI300

Credit: 1

Grade Level: 9

Prerequisite: None

Course Description: The course includes a study of the cell, heredity, molecular genetics, biotechnology, DNA synthesis, protein synthesis, mitosis, meiosis, photosynthesis, respiration, evolution, and ecology. Laboratories, experimental design, lecture/discussions, and cooperative learning strategies will all be utilized to allow you to fully comprehend the information. ***This course will have an industry emphasis dependent upon the student's pathway selection.***

Honors Biology



Course ID: SCI315

Credit: 1

Grade Level: 9

Prerequisite: None

Course Description: This accelerated course has a more in-depth approach than Biology I. The course also includes a study of the cell, heredity, molecular genetics, biotechnology, DNA synthesis, protein synthesis, mitosis, meiosis, photosynthesis, respiration, evolution, and ecology. Laboratories, experimental design, lecture/discussions, and cooperative learning strategies will all be utilized. ***This course will have an industry emphasis dependent upon the student's pathway selection.***

Chemistry



Course ID SCI200 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: Algebra I

Course Description: This course is designed to provide students with a better understanding of the nature and behavior of matter and the factors that control chemical reactions. Students learn common elements (their symbols and combining qualities), quantum theory of atomic structure, chemical composition, the writing of balanced equations, and problem-solving skills through the basic algebraic techniques. Lab work based on the scientific method is used to apply the fundamental concepts of chemistry. ***This course will have an industry emphasis dependent upon the student's pathway selection.***

Honors Chemistry



Course ID SCI204 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: Algebra I

Course Description: Honors Chemistry builds the foundation and challenges students for advanced chemistry courses. This course incorporates investigations and laboratory activities to teach the basic concepts of chemistry with an emphasis on problem solving, high order thinking, and application of major chemical principles.

Physics

Course ID SCI100 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: Algebra I

Course Description: Physics is the study of the interactions of matter and energy. This course will focus on introducing students to the language of Physics as well as the motion of bodies, both large and small. In addition to models and graphical analysis, basic math calculations are used to explain the phenomena of motion. Experimental investigations are key elements in the instructional strategies.

Human Anatomy & Physiology

Course ID SCI318 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: Biology/Honors Biology (Honors Biology can be concurrent)

Course Description: This course provides students with an in-depth study of the major organ systems of the human body. Students, through discussion and dissection, will learn organ locations, structures, and functions.

College Physics



Course ID SCI207 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: Algebra I or Teacher Recommendation

Note: This course is only offered at Oak Park.

Course Description: This is a two-semester Physics course designed to impart an introductory understanding of all the subfields of physics, from mechanics to circuits. Students who pay tuition and meet the requirements of UMKC will earn 4 hours of college credit. This course will present a conceptual framework and problem solving skills that allow the students to understand a wide range of phenomena from behavior of a golf ball hit on the moon, to how to shoot a ping-pong ball at nearly supersonic speed.

AP Physics 1



Course ID SCI322 Credit: 1 Grade Level: 11, 12
Algebra II (Algebra II can be taken concurrently) or Teacher Recommendation

Expectation: Students taking an Advanced Placement course are expected to take the AP Exam during the spring semester.

Course Description: This course is conducted using inquiry based instructional strategies that focus on experimentation to develop students' conceptual understanding of physics principles. Topics explored include: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, rotational motion, mechanical waves, electrostatics, and DC currents.

AP Physics 2



Course ID SCI323 Credit: 1 Grade Level: 11, 12
Prerequisite: AP Physics 1 and Algebra II (Algebra II can be taken concurrently) or Teacher Recommendation

Expectation: Students taking an Advanced Placement course are expected to take the AP Exam during the spring semester.

Course Description: This course is conducted using inquiry based instructional practices that focus on experimentation to develop students' conceptual understanding of physics principles. Topics explored include: fluid mechanics and thermal physics, electricity and magnetism, physical and geometrical optics, and atomic and nuclear physics.

College Chemistry/Honors Chemistry II



Course ID SCI321 Credit: 1 Grade Level: 11, 12
Prerequisite: Chemistry/Honors Chemistry and Algebra II

Note: College Chemistry/Honors Chemistry II is offered at North Kansas City, Oak Park, and Winnetonka.

Course Description: The importance of the theoretical aspects of chemistry has brought about an increasing emphasis on these aspects of the content of general chemistry courses. Topics such as the structure of matter, kinetic theory of gases, chemical equilibria, chemical kinetics, and the basic concepts of thermodynamics are now being presented in considerable depth. Laboratory work is a major emphasis in this class.

AP Chemistry



Course ID SCI304 Credit: 1 Grade Level: 11, 12
Prerequisite: Honors Chemistry

Expectation: Students taking an AP course are expected to take the Advanced Placement Exam during the spring semester.

Course Description: The topics include: thermodynamics, reaction rates, equilibrium, electrochemistry, organic chemistry, and advanced laboratory techniques. Lab work is a major emphasis of the course.

College Biology



Course ID SCI500 Credit: 1 Grade Level: 11, 12
Prerequisite: Biology and Chemistry

Course Description: This course addresses several disciplines of biology including cell biology, genetics, taxonomy, biochemistry, ecology, evolution, and botany. Laboratory work is a major emphasis in this class. College credit can be obtained if the student meets the requirement of the post-secondary institution and pays tuition.

AP Biology



Course ID: SCI303 Credit: 1 Grade Level: 11, 12
Prerequisite: Biology and Chemistry

Expectation: Students taking an AP course are expected to take the Advanced Placement Exam during the spring semester.

Course Description: AP Biology is designed around the AP Biology Curriculum Framework that focuses on the major concepts in biology and their connections set forth by College Board. The four big ideas that are covered include: 1) The process of evolution drives the diversity and unity of life; 2) Biological systems utilize free energy and molecular building blocks to grow, to reproduce, and to maintain dynamic homeostasis; 3) Living systems store, retrieve, transmit, and respond to information essential to life processes; and 4) Biological systems interact, and these systems and their interactions possess complex properties. Laboratories, experimental design, lecture/discussions, and cooperative learning strategies will all be utilized.

College Human Body Systems – PLTW



Course ID: SCI203 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: College Principles of Biomedical Science – PLTW

Note: This course is offered as a part of the Biomedical pathway in the IB Career-related Program (IBCP).

Course Description: Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis in the body. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases.

College Medical Interventions – PLTW



Course ID: SCI314 Credit: 1 Grade Level: 11, 12
Prerequisite: College Human Body Systems – PLTW

Note: This course is offered as a part of the Biomedical pathway in the IB Career-related Program (IBCP).

Course Description: Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection, screen and evaluate the code in human DNA, evaluate cancer treatment options, and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.

College Principles of Biomedical Science – PLTW



Course ID: SCI103 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: None

Course Description: In this course, students explore concepts of biology and medicine as they take on roles of different medical professionals to solve real-world problems. Over the course of the year, students are challenged in various scenarios including investigating a crime scene to solve a mystery, diagnosing, and proposing treatment to patients in a family medical practice, to tracking down and containing a medical outbreak at a local hospital, stabilizing a patient during an emergency, and collaborating with others to design solutions to local and global medical problems.

Environmental Science

Course ID SCI311Y Credit: 1 Grade Level: 11, 12
Prerequisite: Biology and Chemistry

Environmental Science is a course for students who are interested and concerned about the environment, conservation of the natural world, and the effect of the human population on the planet. Major units of study will include Biodiversity, Water Quality, Pollution and Wastes, Population, Extinction, Community Ecology, Climate, Resources, and Energy. Frequent labs, activities and computer applications are integral to the course. Students are expected to participate in fieldwork projects in KCMO, Jackson, Co., or Clay County to support classroom learning.



Extraordinary Educational
Experiences

Social Studies

Career/College Readiness Diploma (3 units required) – **Gold Medallion Diploma** (4 units required)

9 th Grade	10 th Grade	11 th Grade	12 th Grade
World History Honors World History AP World History: Modern AP Human Geography*	US History Honors US History AP United States History AP World History: Modern AP Human Geography AP Psychology	College US Government AP Government Politics US AP Comparative Politics AP World History: Modern AP Human Geography Psychology AP Psychology	AP United States History AP Government Politics US AP Comparative Politics AP World History: Modern Military History AP Human Geography Psychology AP Psychology Sociology

* This meets the World History credit requirement



Available in Launch
(Online learning)



Weighted



Gold Medallion course



Potential to earn
college credit



Off Campus

World History



Course ID: SST100
Prerequisite: None

Credit: 1

Grade Level: 9

Course Description: World History is a survey course focusing on the time period from c. 1450 to the modern day with an emphasis on themes in history. Students will explore how geography, politics, economics, people/cultures, and continuity/change have shaped historical events and global issues. Students will learn skills historians acquire such as: analysis, synthesis, reading with purpose, and writing in multiple styles. ***This course will have an industry emphasis dependent upon the student's pathway selection.***

Honors World History



Course ID: SST105
Prerequisite: None

Credit: 1

Grade Level: 9

Recommendations: Students taking this course should have a strong background in reading and writing skills; they should have developed skills in the areas of self-motivation, time management, research, and analytical abilities.

Course Description: World History is a survey course focusing on the time period from c. 1450 to the modern day with an emphasis on themes in history. Students will explore how geography, politics, economics, people/cultures, and continuity/change have shaped historical events and global issues. Students will learn skills historians acquire such as: analysis, synthesis, reading with purpose, and writing in multiple styles. Assessment is primarily performance based. ***This course will have an industry emphasis dependent upon the student's pathway selection.***

US History



Course ID SST200
Prerequisite: None

Credit: 1

Grade Level: 10

Course Description: Students will explore American history through the themes of: geography, culture, economics, government, and conflict. The content will encompass information from post 1870 American society, politics, and economic development. Students will learn skills historians acquire such as: analysis, synthesis, reading with purpose, and writing in multiple styles. *This course will have an industry emphasis dependent upon the student's pathway selection.*

Honors US History



Course ID SST205
Prerequisite: None

Credit: 1

Grade Level: 10

Recommendations: Students taking this course should have a strong background in reading and writing skills; they should have developed skills in the areas of self-motivation, time management, research, and analytical abilities.

Course Description: Students will explore American history through the themes of: geography, culture, economics, government, and conflict. The content will encompass information from post 1870 American society, politics, and economic development. Students will learn skills historians acquire such as: analysis, synthesis, reading with purpose, and writing in multiple styles. Assessment is primarily performance based. *This course will have an industry emphasis dependent upon the student's pathway selection.*

College US Government



Course ID SST317
Prerequisite: World History, US History

Credit: 1

Grade Level: 11, 12

Course Description: This course offers students the opportunity to study American Government and Politics with specific reference to the US Constitution at the college level and earn college credit. This course examines the development, organization, and function of the National Government. This course meets the state requirement for study of the US and Missouri Constitutions.

AP Government Politics US



Course ID SST301
Prerequisite: None

Credit: 1

Grade Level: 11, 12

Expectation: Students taking an Advanced Placement course are expected to take the AP Exam during the spring semester.

Recommendations: Students taking this course should have a strong background in reading and writing skills; they should have developed skills in the areas of self-motivation, time management, research, and analytical abilities.

Course Description: Students will develop an analytical perspective on government and politics in the United States. It requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. politics.

AP Comparative Government & Politics



Course ID SST319 Credit: 1 Grade Level: 11, 12
Prerequisite: None

Expectation: Students taking an Advanced Placement course are expected to take the AP Exam during the spring semester.

Course Description: Today's world requires that all citizens be fluent in foreign policy, international diplomacy, and complex global issues. AP Comparative Government and Politics introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in six core countries: China, Great Britain, Iran, Mexico, Nigeria, and Russia. The course aims to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes, and to communicate to students the importance of global political and economic changes. Careful comparison of political systems produces useful knowledge about the institutions and policies countries have employed to address problems or what they have done to make things worse. The course incorporates current events and news stories that make the curriculum engaging and relevant. Students interested in foreign policy, diplomacy, international law, and international business will find the course invaluable.

AP United States History



Course ID SST312 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: 10TH graders may appeal to be enrolled

Expectation: Students taking an Advanced Placement course are expected to take the AP Exam during the spring semester.

Recommendations: Students taking this course should have a strong background in reading and writing skills; they should have developed skills in the areas of self-motivation, time management, research, and analytical abilities.

Course Description: Students will address political and social development of American Civilization from the beginning to the present day.

College United States History



Course ID SST304 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: 10TH graders may appeal to be enrolled

Recommendations: Students taking this course should have a strong background in reading and writing skills; they should have developed skills in the areas of self-motivation, time management, research, and analytical abilities.

Course Description: Students will address political and social development of American Civilization from the beginning to the present day.

AP World History: Modern



Course ID SST108
Prerequisite: None

Credit: 1

Grade Level: 10, 11, 12

Expectation: Students taking an Advanced Placement course are expected to take the AP Exam during the spring semester.

Recommendations: Students taking this course should have a strong background in reading and writing skills; they should have developed skills in the areas of self-motivation, time management, research, and analytical abilities.

Course Description: Students will develop a greater understanding of the evolution of global processes that affect the interaction human societies have with one another. The course highlights the nature of changes in such things as international trade, politics, conflict, as well as the cultural expectations that lay the foundations for development within the human race.

College World History



Course ID SST107
Prerequisite: None

Credit: 1

Grade Level: 10, 11, 12

Recommendations: Students taking this course should have a strong background in reading and writing skills; they should have developed skills in the areas of self-motivation, time management, research, and analytical abilities.

Course Description: Students will develop a greater understanding of the evolution of global processes that affect the interaction human societies have with one another. The course highlights the nature of changes in such things as international trade, politics, conflict, as well as the cultural expectations that lay the foundations for development within the human race.

Psychology

Course ID SST311
Prerequisite: None

Credit: 1

Grade Level: 10, 11, 12

Course Description: Psychology is the study of our mental processes (how we think and why) and our behaviors (how we act and why). Topics will include but are not limited to: theories about how we learn, how our personality forms and why, what mental illness is and how it is treated, as well as how we develop mentally throughout our lives.

AP Psychology



Course ID SST302
Prerequisite: None

Credit: 1

Grade Level: 10, 11, 12

Expectation: Students taking an Advanced Placement course are expected to take the AP Exam during the spring semester.

Recommendations: Students taking this course should have a strong background in reading and writing skills; they should have developed skills in the areas of self-motivation, time management, research, and analytical abilities.

Course Description: Students will be performing an in-depth study of psychology. This will enable students to discuss the various biological, psychological, and social aspects why humans think and act the way they do. This course will also emphasize development of analytical skills necessary to perform well on the AP Exam.

Sociology



Course ID: SST305 Credit: .5 or 1 (depending on school) Grade Level: 11, 12
Prerequisite: None

Course Description: Sociology is the study of social relations, organization, and change. Students will be introduced to Sociology as a science while analyzing how social institutions (family, religion, education, etc.) influence the individual and group.

Military History

Course ID: SST204 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: None

Course Description: Students will research various methods of warfare, reasons for conflict, and the impacts those conflicts have had on the development of the world over time.

AP Human Geography



Course ID: SST318 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: None

Expectation: Students taking an AP course are expected to take the Advanced Placement Exam during the spring semester.

Course Description: This course utilizes geographic processes to systematically include population, migration, culture, language, religion, ethnicity, political geography, economic development, industry, agriculture, and urban geography. Emphasis is placed on geographic models and their applications.



Extraordinary Educational
Experiences

Technical Core

School of Human Services

Introduction to Human & Public Services

Course ID: PAH101Y Credit: 1 Grade Level: 9
Prerequisite: None

Course Description: Students will explore the commercial and public services. They will identify personal strengths and struggles in relation to employability skills while gaining a strong understanding of the many different career fields that exist within commercial and public services. Students will create an awareness around cultural and equity issues that exist in careers within this pathway and learn empathy towards all. Additionally, students will learn to analyze various electronic and print sources for biases and learn to decipher fact from opinion in order to create an informed view on various social issues as it pertains to the commercial and public services. They will learn effective communication strategies.

Interpersonal Communication

Course ID: PAH102Y Credit: 1 Grade Level: 10
Prerequisite: None

Course Description: This course focuses on different methods of communicating, making connections, building relationships, and effective communication within a community. Students will analyze the role of self-concept, perception, language, diversity, conflict, and listening as related to impactful communication. This course examines various forms and contexts of verbal and non-verbal communication.

Sociology



Course ID: SST305 Credit: .5 or 1 (depending on school) Grade Level: 11, 12
Prerequisite: None

Course Description: Sociology is the study of social relations, organization, and change. Students will be introduced to Sociology as a science while analyzing how social institutions (family, religion, education, etc.) influence the individual and group.

College Fundamentals of Effective Speaking & Listening



Course ID: SPT304 Credit: .5 Grade Level: 11, 12
Prerequisite: None

Course Description: This course will primarily cover the study and practice of public speaking. Lectures and assignments are designed to provide a theoretical grounding and an opportunity to apply that theory through the presentation and analysis of public speeches. This course is concerned with assisting you become a better public speaker as well as a better consumer of public communication.

School of Business, Leadership and Entrepreneurship

Foundations of Business

Course ID: BLE100Y Credit: 1 Grade Level: 9
Prerequisite: None

Course Description: Exploration of the Business, Leadership and Entrepreneurship Pathway. Students will be exposed to all areas of business including Accounting, Marketing, Finance and Management. They will also begin exploration into corresponding careers within Business and Entrepreneurship including exploration of necessary employability skills for these careers. Students will also receive instruction in areas of communication and interpersonal skills, local and global economic awareness, research skills, and business operations. Additionally, students will learn how business impacts daily life.

Marketing Principles

Course ID BMK201 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: None

Course Description: This course develops student understanding of distribution, financing, marketing information management, pricing, product/service management, promotion, and selling. Enrollment in Marketing Internship is optional, giving students the opportunity to apply newly acquired marketing skills in the workplace while earning credit and an income. Students enrolled in Marketing Education participate in DECA, a student organization that provides opportunities for students to demonstrate their mastery of the marketing curriculum in competitive events, to develop leadership skills, and to exhibit awareness of civic responsibilities. DECA can assist students in receiving scholarships, building a successful resume, and networking with businesspeople.

Entrepreneurship

Course ID BMK105 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: None

Course Description: Students will develop a business plan for owning and operating their own business. Financing the business, site location, advertising and selling, governmental regulations, and management will be major topics of study. This class also offers DECA, a student organization, as an integral part of the marketing program. It offers students the opportunity for leadership training, community service, travel to conferences and competition in the marketing area on a district, state, and national level.

Marketing Advanced

Course ID BMK302 Credit: 1 Grade Level: 11, 12
Prerequisite: Marketing Principles



Course Description: This course develops an advanced level of understanding and skill in distribution, financing, marketing-information management, pricing, product/service management, promotion, and selling. Emphasis will be placed on the impact that customer behavior has on the implementation of marketing functions. Financial considerations as they relate to business profit will be explored. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Enrollment in Marketing Internship is optional, giving students the opportunity to apply newly acquired marketing skills in the workplace while earning credit and an income. Students will continue DECA participation.

Sports Marketing I

Course ID BMK317 Credit: .5 or 1 Grade Level: 10, 11, 12
Prerequisite: Marketing Principles or Portfolio Submission

Course Description: This is an instructional program that focuses on marketing and management functions and tasks that can be applied in amateur or professional sports or sporting events that include videoboard graphics, website maintenance, and social media. The primary goal is to promote North Kansas City School District's high school sporting events. Students are also performing a public service to the district and its patrons via business advertising. Students completing this class will have a working knowledge of the marketing aspects of creating a sports event, including but not limited to website design and maintenance, video board graphics, social media, and fan participation. This knowledge will give students a head start for college and professional careers. There will be mandatory out of the classroom assignments including live broadcasts, social media events, and advertising campaigns.

Business Management



Course ID BMK307 Credit: .5 Grade Level: 10, 11, 12
Prerequisite: None

Course Description: This course is designed for students entering the business field, those planning to enter management, those studying any business major in college, and those thinking about owning and/or managing their own business. This class is highly beneficial even for high school students as the relationship between employees and management is studied. Course of study includes management functions, marketing, human resources, business communication, global business, business situation analysis, and business ethics.

Computer Applications



Course ID: BMK121 Credit: .5 Grade Level: 9, 10, 11, 12
Prerequisite: None

Course Description: This course is designed to help students review and master beginning and advanced skills in the areas of word processing, spreadsheet applications, multimedia, internet usage, and integrated software applications.

School of Design, Innovation and Technology

Creative Design I

Course ID: DIT100Y Credit: 1 Grade Level: 9
Prerequisite: None

Course Description: A yearlong Technical Core-Creative Design strand for beginning students in the Design, Innovation and Technology Pathway. It is a blend of existing Art I, Visual Arts Photography, and Graphic Design courses. Students in this pathway need both traditional and digital art making skills, computer and software skills using innovative tools. This jump starts students' technology and communication skills, which are essential to real-world experiences. By blending these foundational objectives, students are prepared to advance their skills leading to independent client/community projects and college credit through AP Art & Design with completion of this pathway.

Creative Design II

Course ID: DIT103Y Credit: 1 Grade Level: 10
Prerequisite: Creative Design I

Course Description: A yearlong Technical Core-Creative Design strand for beginning students in the Design, Innovation and Technology Pathway. It is a blend of existing Art I, Visual Arts Photography, and Graphic Design courses. Students in this pathway need both traditional and digital art making skills, computer and software skills using innovative tools. This jump starts students' technology and communication skills, which are essential to real-world experiences. By blending these foundational objectives, students are prepared to advance their skills leading to independent client/community projects and college credit through AP Art & Design with completion of this pathway.

Creative Design III

Course ID DIT108Y Credit: 1 Grade Level: 11
Prerequisite: Creative Design II

Course Description: : A yearlong Technical Core-Creative Design strand for 3rd year students in the Design, Innovation and Technology Pathway. Course work will expand and further develop student's skillsets from CD1 & 2 and explore new art medias and software programs with a focus on animation and moving graphics. Industry based products created will include traditional, digital, and design art making techniques applied to real world client-based projects preparing students for the workforce. Concepts, design principles and techniques fundamental to all aspects of the visual arts will be emphasized through problem-based learning. Technology is infused in all aspects of art making including computers, imaging and animation software, digital drawing tablets, cameras, studio equipment, and printing capabilities. Project work will also include exploration of traditional methods, drawing, painting, sculpture, and art history to create artworks for a portfolio. This class is a prerequisite for AP Art & Design.

College Computer Science Essentials - PLTW



Course ID: BMK116 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: None

Course Description: College Computer Science Essentials (CSE) introduces students to coding fundamentals through an approachable, block-based programming language where they will have early success in creating usable apps. As students sharpen their computational thinking skills, they will transition to programming and text-based programming side-by-side. Finally, students learn the power of text-based programming as they are introduced to the Python® programming language.

AP College Computer Science Principles – PLTW



Course ID BMK112 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: Computer Science Essentials

Note: This course is offered as a part of the Computer Science pathway in the IB Career-related Program (IBCP).

Expectation: Students taking an Advanced Placement course are expected to take the AP Exam during the spring semester.

Course Description: In Computer Science Principles (CSP), students develop the in-demand computer science skills critical to thrive in any of today's and tomorrow's careers. The course promotes computational thinking and coding fundamentals and introduces computational tools that foster creativity. It aims to build students' awareness of the tremendous demand for computer scientists and those who have computational thinking skills and engages students to consider issues raised by the impact of computing on society. Each unit also focuses on one or more computer science-specific career paths.

Computer Science Principles provides students with a broad exposure to the many aspects of computer science while encouraging creativity, socially responsible choices, and ethical behavior. It inspires algorithmic and computational thinking, helping students see themselves in a career path they might not have initially chosen.

College Introduction to Engineering Design – PLTW



Course ID IND102 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: None

Course Description: Students dig deep into the design process, applying math, science, and technology standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using hand drawn sketches, 3-D modeling software, 3-D printing, and laser engraving to customize projects.

College Principles of Engineering – PLTW



Course ID IND201 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: None

Note: This course is offered as a part of the Engineering pathway in the IB Career-related Program (IBCP).

Course Description: Students explore a broad range of engineering topics, including robotics, electronics, 3-D modeling, mechanisms, structures, the stress and strain of materials, and ballistics. Students also develop professional skills such as problem solving, communication, empathy, collaboration, critical thinking, resource management, and adaptability.

College Civil Engineering and Architecture – PLTW



Course ID IND200 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: None

Note: This course is offered as a part of the Engineering pathway in the IB Career-related Program (IBCP).

Course Description: Students will explore principles including residential and commercial architecture, history, preservation, landscape architecture, planning, and urban design. In this course, you'll put into practice what you've learned in the lectures as you develop skills in freehand drawing, architectural drawing, model making, and experiment with software programs and emerging technologies. You'll also work with local companies to design and implement projects around the city.

College Cyber Security – PLTW



Course ID BMK117 Credit: 1 Grade Level: 11, 12
Prerequisite: AP College Computer Science Principles – PLTW

Course Description: Cyber Security introduces the tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy. Nationally, computational resources are vulnerable and frequently attacked; in Cyber Security, students solve problems by understanding and closing these vulnerabilities. This course raises students' knowledge of and commitment to ethical computing behavior. It also aims to contribute to communities with a dependable cyber-infrastructure that moves and processes information safely.

School of Health and Wellness

College Principles of Biomedical Science – PLTW



Course ID: SCI103 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: None

Course Description: In this course, students explore concepts of biology and medicine as they take on roles of different medical professionals to solve real-world problems. Over the course of the year, students are challenged in various scenarios including investigating a crime scene to solve a mystery, diagnosing, and proposing treatment to patients in a family medical practice, to tracking down and containing a medical outbreak at a local hospital, stabilizing a patient during an emergency, and collaborating with others to design solutions to local and global medical problems.

College Human Body Systems – PLTW



Course ID SCI203 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: College Principles of Biomedical Science – PLTW

Note: This course is offered as a part of the Biomedical pathway in the IB Career-related Program (IBCP).

Course Description: Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis in the body. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases.

Therapy Studies & Brain Development

Course ID HAW101Y Credit: 1 Grade Level: 10
Prerequisite: None

Course Description: This course will focus on different types of therapies and brain development of infants through senior citizens. Students will learn that lifelong health is determined by more than just our genes. Our experiences at sensitive periods of development change the brain in ways that increase or decrease risk for later physical and mental illness and our overall well-being.

College Human Body Systems – PLTW



Course ID SCI203 Credit: 1
Prerequisite: College Principles of Biomedical Science – PLTW

Grade Level: 10, 11, 12

Note: This course is offered as a part of the Biomedical pathway in the IB Career-related Program (IBCP).

Course Description: Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis in the body. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases.

College Medical Interventions – PLTW



Course ID SCI314 Credit: 1
Prerequisite: College Human Body Systems – PLTW

Grade Level: 11, 12

Note: This course is offered as a part of the Biomedical pathway in the IB Career-related Program (IBCP).

Course Description: Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection, screen and evaluate the code in human DNA, evaluate cancer treatment options, and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.

AP Psychology



Course ID SST302 Credit: 1
Prerequisite: None

Grade Level: 10, 11, 12

Expectation: Students taking an Advanced Placement course are expected to take the AP Exam during the spring semester.

Recommendations: Students taking this course should have a strong background in reading and writing skills; they should have developed skills in the areas of self-motivation, time management, research, and analytical abilities.

Course Description: Students will be performing an in-depth study of psychology. This will enable students to discuss the various biological, psychological, and social aspects why humans think and act the way they do. This course will also emphasize development of analytical skills necessary to perform well on the AP Exam.

Global Language



Available in Launch
(Online learning)



Weighted



Gold Medallion course



Potential to earn
college credit



Off Campus

French

French I



Course ID: MDL100 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: None

Course Description: This course is designed so that students are able to use fundamental language in personal, practical, and culturally authentic everyday situations in oral and written form.

French II



Course ID: MDL200 Credit: 1 Grade Level: 9*, 10, 11, 12
Prerequisite: French I

** Students in 9th grade may enroll in the class upon successfully completing the yearlong course in 8th grade.*

Course Description: This course is designed so that students may continue to expand their mastery of fundamental language usage in personal, practical, and culturally authentic everyday situations.

College French III



Course ID: MDL300 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: French II

Course Description: The goal of this course is to develop the students' ability to speak and to understand spoken French, as well as to read and write prose. The course is designed so that students may initiate structured communication by paraphrasing, summarizing, and analyzing given cultural topics.

College French IV



Course ID: MDL503 Credit: 1 Grade Level: 11, 12
Prerequisite: College French III

Course Description: The goal of this course is to continue to develop students' proficiency in understanding, speaking, reading, and writing. The course is designed so that students may initiate spontaneous communication by interpreting, synthesizing, and evaluating literary and cultural topics. Oral and written proficiency is emphasized.

Clay and Sculpture: 3D Media

Course ID ART210 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: Art I

Course Description: A yearlong course for students to further develop three-dimensional art medias. Projects will include ceramics (hand-building and wheel-throwing), sculpture, and fiber. Continued exploration of surface treatment techniques, form, spatial relationships, color theory, art history, and more. Students will develop their visual communication skills through cultural and contemporary explorations. Students will further their understanding of the principles of design and elements of art in order to develop a 3D media portfolio. *May be repeated for credit.*

Graphic Design

Course ID ART202 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: Art I or Visual Art Photography

Course Description: A yearlong technology intensive course that requires the use of computers and imaging software as a form of communication used in today's world. This course introduces the principles of visual and typographic design using both traditional and digital art-making techniques. Students will work with real world subjects in corporate design, advertising, and marketing for client-based projects. *May be repeated for credit.*

AP Art and Design (formerly AP Studio Art)



Course ID ART301 Credit: 1 Grade Level: 11, 12
Prerequisite: Art I or Visual Art Photography, and at least one of the following:
2D Media, 3D Media, Graphic Design, Advanced Visual Art Photography

Expectation: Students taking an Advanced Placement course are expected to take the AP Exam during the spring semester.

Course Description: AP Art & Design is equivalent to a college-level course. Students will create, plan, and execute a portfolio of 15 artworks based on student's sustained investigation through their essential question, a range of approaches, and selected works. Students will choose their portfolio based on their expertise including digital and traditional methods: 2-D design, Drawing, or 3-D design. Students will emphasize research, experimentation, discovery, inventive thinking and art-making, and problem solving in your work. A qualifying portfolio score can earn college credit and/or advanced placement. *May be repeated for credit.*

AP Art History



Course ID ART505 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: None

Expectation: Students taking an Advanced Placement course are expected to take the AP Exam during the spring semester.

Course Description: AP Art History is equivalent to a college level course. The AP History course welcomes students into the global art world to engage with its forms and content as they research, discuss, read, and write about art, artists, art making, and responses to and interpretations of art. By investigating specific course content of 250 works of art characterized by diverse artistic traditions from prehistory to the present, the students develop an in-depth, holistic understanding of the history of art from a global perspective. Students learn and apply skills of visual, contextual, and comparative analysis to engage with a variety of art forms, developing understanding of individual works and interconnections across history.

Instrumental Music

Chamber Orchestra

Course ID: MUS100 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: Middle School string experience or lessons in violin, viola, cello, or string bass

Course Description: The class emphasizes individual playing skills, technique, and ensemble work. Extracurricular opportunities exist for this group. Attendance at concerts is required. Additional rehearsals may be required outside the normal school day. **May be repeated for credit.** (Participation in interscholastic competition is required. Students must remain eligible as defined by MSHSAA).

Concert Band

Course ID: MUS106 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: Middle School band experience or two years of private lessons and audition

Course Description: This course is open to woodwind, brass, and percussion players. Technical development through scales, articulation studies, and rhythmic accuracy is stressed along with development of tessitura and tone quality. This band plays grade level three and four music. Student participation is stressed and concerts are required. Placement in Concert Band is based on audition. **May be repeated for credit.** (Participation in interscholastic competition is required. Students must remain eligible as defined by MSHSAA).

Music Appreciation

Course ID: MUS104 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: None

Course Description: Students will experience and study the elements of music by exploring a wide range of vocal and instrumental styles. No previous musical experience is necessary for this class.

Jazz Band

Course ID: MUS200 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: Audition on one of the following: drum set, electric bass, guitar, piano, saxophone, trombone, trumpet, vibes

Course Description: Jazz band offers students an opportunity to experience jazz, blues, and commercial music as a member of a performing ensemble. Classes stress musical skills as well as individual improvisation and technical skills. Performances are required. Additional rehearsals outside of the normal school day may also be required. Students should be a performing member of Band or Orchestra, unless otherwise approved for membership by the director through audition. **May be repeated for credit.** (Participation in interscholastic competition is required. Students must remain eligible as defined by MSHSAA).

Symphonic Band

Course ID: MUS204 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: Audition

Course Description: This group plays challenging music requiring technical facility and musicality needed for grade five literature. This band offers continued music development through exposure to advanced music in full ensemble, solo, and small ensemble groups and auditioned district and state ensembles. This group serves as the marching band in the fall. Performances are required. Additional rehearsals beyond the normal school day are required. **May be repeated for credit.** (Participation in interscholastic competition is required. Students must remain eligible as defined by MSHSAA).

Symphonic Orchestra

Course ID: MUS206 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: Audition

Course Description: This orchestra performs challenging, mature music which demands technical facility and musicality needed for grade five literature. Concerts are required. Additional rehearsals will be needed outside the normal school day. Extracurricular experiences are available for this class. **May be repeated for credit.** (Participation in interscholastic competition is required. Students must remain eligible as defined by MSHSAA).

Music Theory



Course ID: MUS205 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: Read music fluently

Course Description: This course is designed for the student preparing for college bound music study. Students learn basic principles of classical harmony, the technical side of music production, and compositional techniques. Topics include notation of rhythm and pitch, major, minor, and modal keys, interval quality and melodic organization, triadic harmony, modulation, four-part harmony, ear training with melodic and harmonic dictation, sight-singing, and basic music keyboard skills.

AP Music Theory



Course ID: MUS301 Credit: 1 Grade Level: 11, 12
Prerequisite: Read music fluently

Expectation: Students taking an Advanced Placement course are expected to take the AP Exam during the spring semester.

Course Description: This course is designed for the student preparing for college bound music study. Students learn basic principles of classical harmony, the technical side of music production, and compositional techniques. Topics include notation of rhythm and pitch, major, minor, and modal keys, interval quality and melodic organization, triadic harmony, modulation, four-part harmony, ear training with melodic and harmonic dictation, sight-singing, and basic music keyboard skills.

Vocal Music

Mixed Choir

Course ID: MUS103 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: None

Course Description: This course is designed for students who enjoy singing, but do not want to audition for a choir. Emphasis is placed on developing proper fundamentals of singing, breathing, tone quality, and music reading. All styles of vocal music will be performed. Participation in performances is a requirement of the class. **May be repeated for credit.** (Participation in interscholastic competition is required. Students must remain eligible as defined by MSHSAA).

Bass Choir

Course ID: MUS213 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: None

Course Description: This intermediate level choir for low voices continues developing skills in sight reading, pitch memory, tone quality, breath control, interval recognition, ability to maintain an independent part, and understandings of music notation. Participation in performances is required for the class. (Participation in interscholastic competition is required. Students must remain eligible as defined by MSHSAA).

Treble Choir

Course ID: MUS105 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: None

Course Description: This intermediate level choir for high voices continues developing skills in sight reading, pitch memory, tone quality, breath control, interval recognition, ability to maintain an independent part, and understandings of music notation. Participation in performances is required for the class. (Participation in interscholastic competition is required. Students must remain eligible as defined by MSHSAA).

Varsity Treble Choir

Course ID MUS115 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: Audition

Course Description: Open to treble voices selected by audition in the spring of the previous year. Emphasis on developing proper vocal technique, choral tone, sight reading skills, fundamentals of music, and the ability to maintain an independent part. The group will perform a variety of choral styles. Outside rehearsals may be required. Singers will represent the school at State Music Festival. Participation in performances is a requirement of the class. **May be repeated for credit.** (Participation in interscholastic competition is required. Students must remain eligible as defined by MSHSAA).

A Cappella Choir

Course ID MUS300 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: Audition

Course Description: This choir is for students with advanced skills in choral performance. Members must demonstrate high proficiency in sight reading, pitch memory, recognition of basic musical notation, tone quality, breath control, interval recognition, and ability to maintain an independent part. Group participates in a wide range of school and community events and district music festival. Course will cover entire spectrum of choral music at an advanced level of difficulty. Participation in performances is a requirement of the class. **May be repeated for credit.** (Participation in interscholastic competition is required. Students must remain eligible as defined by MSHSAA).

Chamber/Show/Jazz Choir

Course ID MUS212 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: Audition

Course Description: This is an auditioned group of experienced singers with advanced abilities in choral performance. A variety of choral literature is performed including chamber music, pop, and jazz. The group represents the school in performances and competitions within and outside the KC Metro area. Outside rehearsals and performances are required. **May be repeated for credit.** (Participation in interscholastic competition is required. Students must remain eligible as defined by MSHSAA).

Theater

Theater I

Course ID: SPT102 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: None

Course Description: The objective of Theater I is to give interested students a well-rounded introduction to important aspects of theater and theatrical production. The following areas will be addressed: theater appreciation, character development, improvisation, mime, and scenes. Students will participate in a one-act class production.

Theater II

Course ID SPT201 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: Theater I

Course Description: The objective of Theater II is to allow students to pursue a more in-depth study of all aspects of theater with a focus on developing the elements of theater such as acting, lighting, sound, special effects, costumes, make-up, set design, and publicity.

Theater III

Course ID SPT300 Credit: 1 Grade Level: 11, 12
Prerequisite: Theater II; audition may be required based upon enrollment

Course Description: The focus of Theater III is designed to further the study of the serious theater student. Students will pursue an in-depth study of the elements of directing, script writing, and play production. Students will have the opportunity to pursue a focus area of their choice from the following areas: lighting, sound, special effects, costumes, make-up, stage and set design, or properties.

College Theater: Foundations of Fine Arts



Course ID SPT105 Credit: 1 Grade Level: 11, 12
Prerequisite: None

Course Description: An introduction to theatre arts and a general orientation to the creative and technical aspects of live performance. Includes historical overview, analysis of the components of a play, and observation of and critical reaction to theatrical productions.

Competitive Drama

Course ID: SPT400 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: None

Course Description: This class is designed for the student who wants to improve skills in acting and performance. Activities in humorous and dramatic interpretation, prose and poetry reading, duet acting, and duo interpretation allow individuals to refine acting skills and techniques. **Participation in interscholastic competition in Friday and Saturday tournaments is required. Students must remain eligible as defined by MSHSAA.**

Advanced Competitive Drama

Course ID SPT401 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: Competitive Drama

Course Description: This class is designed for the student who wants to further improve skills in acting and performance. Activities in humorous and dramatic interpretation, prose and poetry reading, duet acting, and duo interpretation allow individuals to refine acting skills and techniques. **Participation in interscholastic competition in Friday and Saturday tournaments is required. Students must remain eligible as defined by MSHSAA.**

Theater Special Projects

Course ID SPT302 Credit: .5 Grade Level: 11, 12
Prerequisite: Theater II

Course Description: Participants will pursue an in-depth study and application of theater skills to real-life performances. Students will be given independent projects. ***May be repeated for credit.***

Physical Education & Health



Available in Launch
(Online learning)



Weighted



Gold Medallion course



Potential to earn
college credit



Off Campus

Adaptive Physical Education

Course ID: PEH100 Credit: .5 Grade Level: 9, 10, 11, 12
Prerequisite: None

Course Description: This class meets the physical education requirement for students with a health problem which prevents them from taking a regular physical education class. A health form is required from a doctor indicating the activities in which the student should not participate. **May be repeated for credit.**

Aerobics

Course ID: PEH103 Credit: .5 Grade Level: 9, 10, 11, 12
Prerequisite: None

Course Description: This class is designed to improve the student's overall fitness level with emphasis on cardiorespiratory endurance. No dance ability is needed. Dressing out is a requirement for this course. **May be repeated for credit.**

Lifetime Activities

Course ID: PEH109 Credit: .5 Grade Level: 9, 10, 11, 12
Prerequisite: None

Course Description: This course is designed to offer students a variety of lifetime fitness/wellness trends that have become generally accepted as activities that are instrumental in developing life-long recreational habits. The instructor will emphasize walking for fitness and teach a variety of life-long recreational activities. **May be repeated for credit.**

Health



Course ID: PEH101 Credit: .5 Grade Level: 9, 10, 11, 12
Prerequisite: None

NOTE: *Missouri requires Health be passed prior to graduation.*

Course Description: This course addresses individual wellness and health issues confronting society today. Topics include: prevention of disease, AIDS prevention, alcohol and drug abuse, over-the-counter drugs, sexually transmitted diseases, nutrition, fitness, mental health, and responsible decision making concerning one's health. State-mandated CPR training is component of this course.

Physical Education



Course ID: PEH102
Prerequisite: None

Credit: .5

Grade Level: 9, 10

Course Description: This course includes basic skills in sports, recreational activities, and emphasizes physical fitness. Dressing out is a requirement for this course. ***May be repeated for credit.***

NOTE: The online version of this class uses wearable fitness devices to track activity. The device is loaned to the student and must be returned by the end of the semester. If the wearable device is not returned, an obligation will be added to the student's account so a replacement can be purchased for future use.

Strength & Conditioning I

Course ID: PEH107
Prerequisite: None

Credit: .5

Grade Level: 9, 10, 11, 12

Course Description: This course is designed to meet the needs of highly motivated students. Students should expect to work hard and see increases in strength and power. Students will also formulate a life-long Strength Training Plan. Dressing out is a requirement for this course. ***May be repeated for credit.***

Strength & Conditioning II

Course ID: PEH110
Prerequisite: Coach's Authorization

Credit: .5

Grade Level: 9, 10, 11, 12

Course Description: This course is designed to meet the needs of highly motivated students. Students should expect to work hard and see increases in strength and power. Students will also formulate a life-long Strength Training Plan. Dressing out is a requirement for this course. ***May be repeated for credit.***

Team Sports

Course ID: PEH108
Prerequisite: None

Credit: .5

Grade Level: 10, 11, 12

Course Description: This course is designed to provide basic skill development in multiple team sports. Students will develop an understanding of the rules in a variety of team sports. Students will also see the lifelong fitness gains that can be developed through participation in team sports. Dressing out is a requirement for this course. ***May be repeated for credit.***



Extraordinary Educational
Experiences

Practical Arts – Business & Marketing



Available in Launch
(Online learning)



Weighted



Gold Medallion course



Potential to earn
college credit



Off Campus

Business Law

Course ID: BMK100 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: None

Course Description: This course is designed to acquaint students with basic knowledge of law for personal and business use. Topics include ethics and law, criminal law, problems in society, tort law, court systems, contract law, consumer law, income tax, insurance, employment contracts, family law, renting or buying a place to live, credit, consumer protection, and warranties.

Accounting I



Course ID: BMK200 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: None

Course Description: Accounting is a class that will help any student that wishes to study business in college, operate his/her own business, or just know more about financial topics that will help throughout his/her financial life. Accounting is the language of business. Anyone planning a career/college major in any area of business should enroll in this course. This course introduces students to recording transactions from source documents, posting journal entries to ledger accounts, checking accuracy, and preparing financial statements. Students will complete both manual and computerized accounting simulations. Excel spreadsheets and/or accounting software are utilized.

Accounting II

Course ID: BMK304 Credit: 1 Grade Level: 11, 12
Prerequisite: Accounting I

Course Description: This course is designed for students with an inclination toward an accounting career. Course includes a review of first year accounting plus corporate accounting, analysis of financial statements, managing inventories, budgeting, and managerial uses of accounting. Excel spreadsheets and accounting software are utilized.

Marketing Principles

Course ID: BMK201 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: None

Course Description: This course develops student understanding of distribution, financing, marketing information management, pricing, product/service management, promotion, and selling. Enrollment in Marketing Internship is optional, giving students the opportunity to apply newly acquired marketing skills in the workplace while earning credit and an income. Students enrolled in Marketing Education participate in DECA, a student organization that provides opportunities for students to demonstrate their mastery of the marketing curriculum in competitive events, to develop leadership skills, and to exhibit awareness of civic responsibilities. DECA can assist students in receiving scholarships, building a successful resume, and networking with business people.

Marketing Advanced



Course ID BMK302 Credit: 1 Grade Level: 11, 12
Prerequisite: Marketing Principles

Course Description: This course develops an advanced level of understanding and skill in distribution, financing, marketing-information management, pricing, product/service management, promotion, and selling. Emphasis will be placed on the impact that customer behavior has on the implementation of marketing functions. Financial considerations as they relate to business profit will be explored. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Enrollment in Marketing Internship is optional, giving students the opportunity to apply newly acquired marketing skills in the workplace while earning credit and an income. Students will continue DECA participation.

Business Management



Course ID BMK307 Credit: .5 Grade Level: 10, 11, 12
Prerequisite: None

Course Description: This course is designed for students entering the business field, those planning to enter management, those studying any business major in college, and those thinking about owning and/or managing their own business. This class is highly beneficial even for high school students as the relationship between employees and management is studied. Course of study includes management functions, marketing, human resources, business communication, global business, business situation analysis, and business ethics.

Entrepreneurship

Course ID BMK105 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: None

Course Description: Students will develop a business plan for owning and operating their own business. Financing the business, site location, advertising and selling, governmental regulations, and management will be major topics of study. This class also offers DECA, a student organization, as an integral part of the marketing program. It offers students the opportunity for leadership training, community service, travel to conferences and competition in the marketing area on a district, state, and national level.

College Marketing



Course ID BMK313 Credit: .5 Grade Level: 11, 12
Prerequisite: Marketing Principles

Note: This course is only offered at Staley and North Kansas City High School.

Course Description: The College Marketing course involves the structure of marketing institutions in a global environment. The course includes analysis of marketing functions, consumer behavior, segmentation, market research, product planning, pricing, promotion, distribution, and marketing strategies. Internet and electronic mail activities are integrated to develop competencies in data collection, application, and task analysis. This class is taught at the rigor of a college course through a certified institution. To participate in the college course, you must have a GPA of 2.5 or an 18 on the ACT. This Class is directly connected to DECA, a co-curricular organization of Marketing students. A DECA based competitive event is part of assessment for this class.

Sports Marketing II

Course ID BMK319Y Credit: .5 or 1 Grade Level: 11, 12
Prerequisite: Sports Marketing I

Course Description: Sports Marketing II is the next step for those students who have already completed Sports Marketing I and want more experience in the sports marketing field. They will act as trainers and supervisors for Sports Marketing I students as managers at events and mentors in the classroom.

Marketing Internship (off campus)



Course ID: BMK303 Credit: .5 – 2 Grade Level: 11, 12
Prerequisite: Concurrent enrollment in Marketing Principles, Marketing Advanced, or Entrepreneurship

Course Description: Marketing Internship allows the student the opportunity to explore marketing related careers in a paid position while applying concepts presented in the classroom. The students provide their own transportation. The students will spend part of the school day working with a marketing professional at their training site. This course may be taken for one semester or a full year. ***May be repeated for credit.***

Sports Marketing I

Course ID: BMK317 Credit: .5 or 1 Grade Level: 10, 11, 12
Prerequisite: Marketing Principles or Portfolio Submission

Course Description: This is an instructional program that focuses on marketing and management functions and tasks that can be applied in amateur or professional sports or sporting events that include videoboard graphics, website maintenance, and social media. The primary goal is to promote North Kansas City School District's high school sporting events. Students are also performing a public service to the district and its patrons via business advertising. Students completing this class will have a working knowledge of the marketing aspects of creating a sports event, including but not limited to website design and maintenance, video board graphics, social media, and fan participation. This knowledge will give students a head start for college and professional careers. There will be mandatory out of the classroom assignments including live broadcasts, social media events, and advertising campaigns.

Computer Applications



Course ID: BMK121 Credit: .5 Grade Level: 9, 10, 11, 12
Prerequisite: None

Course Description: This course is designed to help students review and master beginning and advanced skills in the areas of word processing, spreadsheet applications, multimedia, internet usage, and integrated software applications.

College Computer Science Essentials - PLTW



Course ID: BMK116 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: None

Course Description: College Computer Science Essentials (CSE) introduces students to coding fundamentals through an approachable, block-based programming language where they will have early success in creating usable apps. As students sharpen their computational thinking skills, they will transition to programming and text-based programming side-by-side. Finally, students learn the power of text-based programming as they are introduced to the Python® programming language.

AP College Computer Science Principles - PLTW



Course ID: BMK112
Prerequisite: Algebra I

Credit: 1

Grade Level: 9, 10, 11, 12

Expectation: Students taking an Advanced Placement course are expected to take the AP Exam during the spring semester.

Course Description: In Computer Science Principles (CSP), students develop the in-demand computer science skills critical to thrive in any of today's and tomorrow's careers. The course promotes computational thinking and coding fundamentals and introduces computational tools that foster creativity. It aims to build students' awareness of the tremendous demand for computer scientists and those who have computational thinking skills, and engages students to consider issues raised by the impact of computing on society. Each unit also focuses on one or more computer science-specific career paths.

Computer Science Principles provides students with a broad exposure to the many aspects of computer science while encouraging creativity, socially responsible choices, and ethical behavior. It inspires algorithmic and computational thinking, helping students see themselves in a career path they might not have initially chosen.

AP College Computer Science A - PLTW



Course ID: BMK113
Prerequisite: AP College Computer Science Principles - PLTW

Credit: 1

Grade Level: 10, 11, 12

Note: This course is offered as a part of the Computer Science pathway in the IB Career-related Program (IBCP).

Expectation: Students taking an Advanced Placement course are expected to take the AP Exam during the spring semester.

Course Description: AP Computer Science A (CSA) is an introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures. CSA is designed with alignment to the College Board CSA framework.

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.

Computer Programming Capstone

Course ID: BMK318
Prerequisite: At least two of the following courses: College Computer Science Essentials-PLTW, Computer Science Principles-PLTW, or Computer Science A-PLTW

Credit: .5

Grade Level: 11, 12

Course Description: Students will build on the concepts developed in previous computer science classes. Topics include database management, server-side programming, Android development, and Apple development. Students will finish the course with a real-world project of their choosing.

College Cyber Security - PLTW



Course ID: BMK117
Prerequisite: AP College Computer Science Principles - PLTW

Credit: 1

Grade Level: 11, 12

Note: This course is offered as a part of the Computer Science pathway in the IB Career-related Program (IBCP).

Course Description: Cyber Security introduces the tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy. Nationally, computational resources are vulnerable and frequently attacked; in Cyber Security, students solve problems by understanding and closing these vulnerabilities. This course raises students' knowledge of and commitment to ethical computing behavior. It also aims to contribute to communities with a dependable cyber-infrastructure that moves and processes information safely.

College Introduction to Engineering Design – PLTW



Course ID IND102
Prerequisite: None

Credit: 1

Grade Level: 9, 10, 11, 12

Course Description: Students dig deep into the design process, applying math, science, and technology standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using hand drawn sketches, 3-D modeling software, 3-D printing, and laser engraving to customize projects.

College Principles of Engineering – PLTW



Course ID IND201
Prerequisite: None

Credit: 1

Grade Level: 10, 11, 12

Note: This course is offered as a part of the Engineering pathway in the IB Career-related Program (IBCP).

Course Description: Students explore a broad range of engineering topics, including robotics, electronics, 3-D modeling, mechanisms, structures, the stress and strain of materials, and ballistics. Students also develop professional skills such as problem solving, communication, empathy, collaboration, critical thinking, resource management, and adaptability.

College Digital Electronics – PLTW



Course ID IND301
Prerequisite: None

Credit: 1

Grade Level: 11, 12

Note: This course is offered as a part of the Engineering pathway in the IB Career-related Program (IBCP).

Course Description: From smartphones to appliances, digital circuits are all around us. This course provides a foundation for students who are interested in electronics, circuit design, prototyping, and soldering. Students study topics such as electrical theory, binary code, and combinational and sequential logic. They use current electrical circuit design tools used in industry to hard code physical devices such as robots, computers, and breadboards. Students will learn basic coding for CNC machines, water jet machines, and laser engravers.

College Civil Engineering and Architecture – PLTW



Course ID IND200
Prerequisite: None

Credit: 1

Grade Level: 10, 11, 12

Note: This course is offered as a part of the Engineering pathway in the IB Career-related Program (IBCP).

Course Description: Students will explore principles including residential and commercial architecture, history, preservation, landscape architecture, planning, and urban design. In this course, you'll put into practice what you've learned in the lectures as you develop skills in freehand drawing, architectural drawing, model making, and experiment with software programs and emerging technologies. You will also work with local companies to design and implement projects around the city.



Extraordinary Educational
Experiences

Practical Arts - Journalism



Available in Launch
(Online learning)



Weighted



Gold Medallion course



Potential to earn
college credit



Off Campus

Journalism 1 (ELA Credit)

Course ID: MED104 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: Priority will be given to students in grades 9-11. Grade 12 students may enroll if course numbers allow.

Course Description: This is an introductory course for work in news, editorial, and feature writing, grammar, editing, design, multi-media production, as well as media law and ethics. Students entering the course should have above average writing skills. Students are not required to own a camera; the school may provide a camera. This is a preparatory course for Journalism 2 Yearbook and Journalism 2 Magazine Across Platforms.

Journalism 1 Broadcast

Course ID: MED103 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: Priority will be given to students in grades 9-11. Grade 12 students may enroll if course numbers allow.

Course Description: This class is the introduction course to Journalism 2 Broadcast and is for students interested in learning how to produce a television broadcast. Students will learn hands-on techniques by being behind and in front of the camera, as well as editing techniques using professional grade software. It also covers media law and ethics as it applies to broadcasting. Students are not required to own a camera; the school may provide a camera. This is a preparatory course for Journalism 2 Broadcast and Journalism 2 Sports Broadcasting.

Journalism 1 Photography

Course ID: MED105 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: Priority will be given to students in grades 9-11. Grade 12 students may enroll if course numbers allow.

Course Description: This course provides instruction in all aspects of photography in the multimedia journalism career field; students learn theories and procedures for shooting, publishing, composition, documentary photography, caption writing, layout, graphics, and some story writing as well as media law and ethics in the field of journalism. Students are not required to own a camera; the school may provide a camera. This is a preparatory course for Journalism 2 level courses.

Journalism 2 Magazine Across Platforms

Course ID: MED204 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: Journalism 1 or Journalism 1 Photography, a portfolio submission will be required if course enrollment exceeds capacity.

Course Description: This class publishes the school newspaper/newsmagazine (print and online publications). Students apply principles of journalism when writing news stories, features and editorials, selling ads, gathering news, conducting interviews, designing layouts, taking photos, and finding answers to the practical, legal, and ethical questions of producing student publications. Students are not required to own a camera; the school may provide a camera. *May be repeated for credit.*

Journalism 2 Yearbook

Course ID MED301 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: Journalism 1 or Journalism 1 Photography, a portfolio submission will be required if course enrollment exceeds capacity.

Course Description: This class produces the school yearbook, a history of one school year. Students apply principles of journalistic writing, ad design, layout, graphic arts, photography, staff management, publishing, and finding answers to the practical, legal, and ethical questions of producing student publications. The yearbook requires some work in the summertime as well. Students are not required to own a camera; the school may provide a camera. ***May be repeated for credit.***

Journalism 2 Broadcast

Course ID MED205 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: Journalism 1 Broadcast, a portfolio submission will be required if course enrollment exceeds capacity.

Course Description: Students will produce a live and/or recorded television newscast. They will be involved in writing and editing news and editorial copy, scheduling interviews, reporting, anchoring and editing, and finding answers to the practical, legal, and ethical questions of producing student publications. Students will learn single camera video recording, video concepts and terms, audio, lighting, graphics, and set design. Students are not required to own a camera; the school may provide a camera. ***May be repeated for credit.***

Journalism 2 Sports Broadcasting

Course ID MED303 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: Journalism 1 Broadcast, Journalism 2 Broadcast; a portfolio submission will be required if course enrollment exceeds capacity.

Note: There will be mandatory after-school, evening, and weekend assignments including live broadcasts and other events. Students may be required to provide transportation to evening sports and school events.

Course Description: This course is designed to be practical and interactive, covering all aspects of 21st century sports and event broadcasting. Students will learn how to create live broadcasts, write cohesively and concisely, how to conduct and edit interviews, how to deal with athletes and sports executives at all levels, and how to use technology to enhance production value. Students will be using professional broadcast equipment including cameras, replay, graphics, switchers, video boards, etc., plus work as announcers, producers, directors, tech crew and more. The primary goal is to create professional sports and event broadcasts to promote the high school programs. Students perform a public service to the district and its patrons. Students completing this class will have a working knowledge of the business and technological aspects of creating a sports or event broadcast. This knowledge will give students a head start for college and professional careers. In addition, this course will work closely with the Sports Marketing class, similar to how professional sports broadcasters work with their marketing teams. ***May be repeated for credit.***

Journalism 3 Digital Laboratory

Course ID MED302 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: Concurrent enrollment in Journalism 2 course (Magazine Across Platforms Yearbook, Broadcast, Sports Broadcast, or Sports Marketing)

Course Description: This course is designed as a work time for publication production and individual work with the adviser in print, online, or broadcast skills. Students use the time to manage production of their publication(s), continue their own work and further their study of journalism and related career fields. The course is an excellent opportunity to further students' study of editorial leadership, complete tasks, and use effective time management skills. Students may also explore Industry-Recognized Certification, IRC, in software and equipment, such as Adobe, NewTek, etc... ***May be repeated for credit.***

Communications Capstone



Course ID MED304S Credit: .5 per block Grade Level: 11, 12
Prerequisite: Any level 2 Journalism course (Journalism 2 Magazine Across Platforms, Journalism 2 Yearbook, Journalism 2 Broadcast, Journalism 2 Sports Broadcast), can be taken concurrently. Or, advanced studies in marketing, advertising, public relations, or other communication-related career courses.

Course Description: Explore the Communications career pathway, in fields such as print journalism, online media, broadcast, graphic design, advertising, marketing and other careers in the Communication field, by spending part of your day in the work world away from school with a community professional. In the fall semester, students will reflect on their current career skills, build a portfolio and resumé to find and secure an internship. Students also will receive instruction in career paths and clusters, training and experience for careers being studied, and skills related to obtaining and holding a job by participating in online class assignments and discussions. In the spring semester, student career experiences will be in the form of job shadows, work experience, and internships. Working with a field site supervisor in one of these areas will familiarize students with the responsibilities and rewards of that career choice. Between .5 and 2 credits can be earned each year; a student could enroll in 1 or 2 blocks each semester. Internships include 40 hours at the work site in the spring semester for .5 credit; 80+ hours may earn 1 credit. ***May be repeated for credit.***



Extraordinary Educational
Experiences

General Electives



Available in Launch
(Online learning)



Weighted



Gold Medallion course



Potential to earn
college credit



Off Campus

Marching Auxiliary

Course ID: MUS102 Credit: .5 Grade Level: 9, 10, 11, 12
Prerequisite: Audition (Note: No prior experience is necessary; however, audition is required.)

Course Description: This course is designed to help students involved in marching band auxiliaries to develop skills and perform routines. Performances are a requirement of this class. Audition required.

AVID 9 (Advancement Via Individual Determination)

Course ID: GEN108 Credit: 1 Grade Level: 9
Prerequisite: Application and interview or currently enrolled in the program

Course Description: The 9th grade AVID course is an elective class for students who are college bound. While concurrently enrolled in an Honors course, students learn strategies to enhance success. Students will learn time management, practice goal-setting skills, create a four-year academic plan, demonstrate note-taking skills, work effectively in collaborative groups, and learn strategies for test preparation. Students will also participate in tutor-led collaborative groups. In order to take AVID, students must apply, interview, and be accepted into the AVID program.

AVID 10 (Advancement Via Individual Determination)

Course ID: GEN207 Credit: 1 Grade Level: 10
Prerequisite: Application and interview or currently enrolled in the program

Course Description: The 10th grade AVID course is an elective class for students who are college bound. While concurrently enrolled in a college-prep course of study, students learn strategies to enhance success. They will strengthen their skills in writing, inquiry, collaboration, organization, and reading. To ensure success in college-prep course work, students work individually, as well as in tutor-led collaborative groups. In order to take AVID, students must apply, interview, and be accepted into the AVID program

AVID 11 (Advancement Via Individual Determination)

Course ID: GEN316 Credit: 1 Grade Level: 11
Prerequisite: Application and interview or currently enrolled in the program

Course Description: The 11th grade AVID course is an elective class for students who are college bound. While concurrently enrolled in a college-prep course of study, students learn strategies to enhance success. To ensure success in college-prep course work, students work individually, as well as in tutor-led collaborative groups. Note-taking, outlining, writing, speaking, reading, test-taking strategies, and self-awareness are stressed. In addition, the course includes college motivational and career exploration activities. In order to take AVID, students must apply, interview and be accepted into the AVID program.

College Introduction to Teaching



Course ID GEN509 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: Child Development I and II strongly suggested

Course Description: This course is designed to explore the skills needed to become a teacher in the 21st century. From historical contexts to communicative/social skills, students will understand and acquire the tools needed to implement state and district curriculum, to develop lesson plans and developmentally appropriate practices that will build a strong foundation for one's future as part of the education community.

Peer Mentor

Course ID GEN317 Credit: 1 Grade Level: 10*, 11, 12
Prerequisite: Application and interview or currently enrolled in the program.
*10th graders can enroll with teacher recommendation.

Course Description: Peer mentors will become familiar with the specific routines and expectations of each AVID teacher's classroom and provide academic support for AVID students in rigorous courses assisting students in the successful completion of college eligibility requirements and in becoming college ready. Peer mentors will receive 16-hours of tutorial training in AVID methodologies to facilitate the AVID tutorial learning process. Students agree to commit to remain enrolled as a Peer Mentor for the full academic year.

Personal Finance



Course ID GEN310 Credit: .5 Grade Level: 10, 11, 12
Prerequisite: None

NOTE: Missouri requires Personal Finance be passed prior to graduation.

Course Description: This course is designed to provide students with a working knowledge of the multitude of personal, business, and family records used by consumers. This course provides students with a foundation for managing their money, investments and taxes, consumer spending, planning for savings, evaluating insurance and housing needs, and understanding financial markets such as stocks, bonds, and mutual funds. Completion of WorkKeys assessment is a requirement for this course.

ACT Prep and College Transitions



Course ID GEN202 Credit: .5 Grade Level: 10, 11, 12
Prerequisite: None

Note: Students not scoring at least a 22 on ACT or 990 on SAT are highly encouraged to enroll in the ACT Prep & College Transitions course.

Course Description: This course introduces students to the concepts of (including but not limited to): time management and goal setting, career interest exploration, college search, how to pay for college, college application portfolio, and ACT/SAT test preparation. It is recommended for all students who are planning to attend college. If the instructor is a certified Practical Arts teacher, students may request this course to count as a Practical Art credit. Otherwise, this course will count as a General Elective credit. This course is not recognized by the NCAA Clearinghouse as a core course for the purposes of college athletic eligibility. **May be repeated for credit.**

Stagecraft

Course ID GEN203 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: Theater I

Course Description: Students will be introduced to the elements of set design, basic set construction, lighting design, and design implementation. This will include sound elements and operation of the current sound equipment. Students will be involved in the design stages in each area of study and will be expected to be active participants in all implementation phases of the class. There will be many opportunities for hands-on experience throughout the course. **May be repeated for credit.**

Adaptive Physical Education Assistant

Course ID SPS300 Credit: .50 Grade Level: 11, 12
Prerequisite: Theater I

Course Description: Students will be introduced to the elements of set design, basic set construction, lighting design, and design implementation. This will include sound elements and operation of the current sound equipment. Students will be involved in the design stages in each area of study and will be expected to be active participants in all implementation phases of the class. There will be many opportunities for hands-on experience throughout the course. ***May be repeated for credit.***

Pathways Ambassadors

Course ID: GEN318 Credit: .5 Grade Level: 9
Prerequisite: Application and teacher recommendations

Course Description: Emphasis of the class will be on developing personal leadership skills and understanding group processes through pathways projects and advanced movement on the work-based learning continuum. Students will work together and with staff to gain organizational, effective communication, and public relations skills. In this course, students will work closely with building college and career facilitators to plan pathways events that will include tours and recruitment events. ***May be repeated for credit.***

Leadership

Course ID GEN303 Credit: 1 Grade Level: 11, 12
Prerequisite: Application

Course Description: Emphasis of the class will be on developing personal leadership skills and understanding group processes. Self-evaluation, organizational skills, and effective communication and public relations will be stressed. ***May be repeated for credit.***

Leadership for School Climate & Culture

Course ID GEN111Y Credit: 1 Grade Level: 11, 12
Prerequisite: None

Course Description: Emphasis of this course is to develop leadership skills, personal and community awareness. Communication, collaboration, empathy, and problem solving will be emphasized to create an inclusive school climate and culture.

AP Seminar

Course ID RES302 Credit: 1 Grade Level: 11, 12
Prerequisite: None



AP Research



Course ID RES303
Prerequisite: AP Seminar

Credit: 1

Grade Level: 11, 12

Course Description: AP Research is designed to allow you to dive into an academic topic, problem, or issue of individual interest. You will further develop the skills you acquired in the AP Seminar course by understanding research methods; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. The course culminates in an academic paper of 4,000-5,000 words and a presentation with an oral defense during which you will answer questions about your academic paper. In the AP Research course, you will employ research and inquiry methodology to develop, manage, and conduct an in-depth study or investigation of an area of student's own interest, culminating in a 4,000-5,000 word paper. You will also present (using appropriate media), and defend the research design, approach, and findings. Finally, you will document and reflect upon the research process and communication with mentor using a research log. AP Research is the second course required to earn the AP Capstone diploma. This course can count as your 12th grade ELA graduation requirement.

CTEC - Career and Technical Education Center



Available in Launch
(Online learning)



Weighted



Gold Medallion course



Potential to earn
college credit



Off Campus

Practical Arts courses.

Note: All CTEC programs are by application and approval. Applications are available in the Counseling offices or visit <https://www.nkcschools.org/page/690>

As part of this program, students will have the opportunity to earn .5 English credit and .5 Math credit for each year they attend. These credits will appear on transcripts as Technical English and Technical Math. The assignments will correlate with what they are doing in class, and in most cases, they are already integrated into each program.

Automotive Technology I



Course ID STC301 Credit: 3 Grade Level: 11, 12
Prerequisite: Ability and intent to enter field of auto service as a career

Course Description: This is a prerequisite course designed to provide students with the first four of the eight lesson areas of NATEF's MLR standards along with the required supplemental tasks. The areas covered in year one are supplemental tasks (safety), Suspension and Steering systems, Brakes, Electrical/Electronic systems, and Engine Repair. This course is designed to provide the student with fundamentals of operation, service, maintenance, and light repair of modern automobiles in these areas. This course is the first step in preparing students to become maintenance and light repair technicians at dealers and independent shops. This course is also focused on moving students into a post-secondary institution. This course will follow N.A.T.E.F. guidelines and is accredited at the MLR level by the National Automotive Technicians Education Foundation.

Technical English Language Arts (embedded credit)



Course ID ECM323 Credit: .5 Grade Level: 11, 12
Prerequisite: Concurrent enrollment in CTEC Automotive Technology or Information Technology

Course Description: Students participating in the two-year Automotive Technology program or the two-year Information Technology program at the Career and Technical Education Center (CTEC) will receive 0.25 English Language Arts credits as embedded credits for each successfully completed semester in either the Automotive Technology program or the Information Technology program. Embedded credit is not for additional coursework, rather it is earned as a result of the extensive rigorous English Language Arts required to successfully complete the Automotive Technology program or the Information Technology program.

Technical Mathematics (embedded credit)



Course ID ECM312 Credit: .5 Grade Level: 11, 12
Prerequisite: Concurrent enrollment in CTEC Automotive Technology or Information Technology

Course Description: Students participating in the two-year Automotive Technology program or the two-year Information Technology program at the Career Technical and Education Center (CTEC) will receive 0.25 Technical Mathematics credits as embedded credits for each successfully completed semester in either the Automotive Technology program or the Information Technology program. Embedded credit is not for additional coursework, rather it is earned as a result of the extensive rigorous Mathematics required to successfully complete the Automotive Technology program or the Information Technology program.

Practical Arts – Family & Consumer Science



Available in Launch
(Online learning)



Weighted



Gold Medallion course



Potential to earn
college credit



Off Campus

Foods for Life

Course ID: FAC104 Credit: .5 Grade Level: 9, 10, 11, 12
Prerequisite: None

Course Description: Start your year off right by learning to plan, prepare, and eat a variety of foods. In this beginning, comprehensive foods class, you will become efficient at using kitchen fundamentals: proper measurements, safety and sanitation, and basic food preparations.

International Foods

Course ID: FAC109 Credit: .5 Grade Level: 10, 11, 12
Prerequisite: Foods for Life

Note: This course is offered as a part of the Culinary Arts pathway in the IB Career-related Program (IBCP).

Course Description: This research-based course is designed for the student who wishes to study history, geography, culture, patterns of family meals, customs, food habits, cooking techniques, and equipment unique to countries around the world. Students will have the opportunity to prepare a variety of foods originating from all over the world. Various regions will be covered, including North America, Latin America, Europe, the Mediterranean, Asia, and the Middle East.

ProStart Foods Level I



Course ID: FAC206 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: Foods for Life; if course enrollment numbers exceed capacity, an application process will be utilized

Note: This course is offered as a part of the Culinary Arts pathway in the IB Career-related Program (IBCP).

Course Description: Are you interested in starting an exciting career in the restaurant and food service industry? You will be introduced to the fundamentals of restaurant management and culinary arts beginning with preparatory steps for becoming a successful restaurant and food service professional. Application of math, science, and technology will be seen in each unit. Students will learn all aspects of food safety and sanitation and the principles of professional kitchen basics, knife skills, knife cuts, and preparation techniques for stocks, soups, sauces, fruits, vegetables, and an introduction to baking. Students who pass the end of course exam for Level I will receive a certificate from the National Restaurant Association. Chef coats may be required.

ProStart Foods Level II



Course ID: FAC207 Credit: 1 Grade Level: 11, 12
Prerequisite: ProStart Foods Level I; if course enrollment numbers exceed capacity, an application process will be utilized

Note: This course is offered as a part of the Culinary Arts pathway in the IB Career-related Program (IBCP).

Course Description: Students will continue advancing skills to learn management and culinary skills toward a career in the restaurant and food service industry. Students will learn marketing strategies, costing and purchasing fundamentals, as well as business concepts related to the restaurant industry. Application of math, science and technology will be seen in each unit. Cooking principles and techniques for the preparation of breakfast food, meat, poultry, seafood, desserts, potatoes, pastas, grains, and baked goods will be introduced. Students who pass the end of course exam for Level II will receive a certificate from the National Restaurant Association. Chef coat may be required. College credit is available through Missouri State University upon completion of Level I and II (*Staley and North Kansas City HS only*).

Fashion Product Development

Course ID: FAC107 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: None

Course Description: Are you interested in a career in fashion or want to learn to sew? This course is designed to teach the fundamentals of sewing for garment construction. It is for students with little or no experience in sewing construction methods. Students are responsible for the purchase of all supplies, fabrics, and materials.

Interior Design

Course ID: FAC210 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: None

Course Description: Do you love to rearrange furniture or decorate rooms? Would you like to participate in hands-on learning by working with colors, fabrics, and space? You will use your personal creativity in this class to understand how to design interiors while focusing on the various aspects of both architecture and interior design. Opportunities to apply these concepts will occur, which will serve you well both in this class and as a consumer of home products and materials.

Fashion/Interior Design & Merchandising

Course ID: FAC313 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: None

Course Description: Are you interested in a career in the fashion or interior design industry? The world of design is an exciting, fast-paced, and ever-changing industry that offers a variety of career opportunities. In this class, you will learn to predict next year's fashion and interior trends and analyze consumers' past and current cultural influences. You will also learn how color, textiles, consumer motivation, sales, and current publications affect the art of merchandising. This class helps to develop skills needed to become a future leader within the fashion and interior design industry.

Advanced Fashion Product Development

Course ID: FAC108 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: Fashion Product Development

Course Description: Students can develop advanced skills in this higher-level clothing course by using designer patterns, quality fabrics, and tailoring techniques while constructing apparel. Students will create a portfolio. Project selection will vary dependent upon student abilities. Students are responsible for the purchase of all supplies, fabrics, and materials. This class is repeatable for credit and may be taken for *college credit at Winnetonka only*.

Apparel Construction

Course ID FAC310 Credit: .5 Grade Level: 11, 12
Prerequisite: Advanced Fashion Product Development

Course Description: Students enrolled in this class will use advanced skills to create approved projects. They will develop skills in pattern making and adjustments. A tailored coat or original clothing design will be constructed. Students will learn problem solving, critical thinking, and use technical reading to design and construct apparel. Students are responsible for the purchase of all supplies, fabrics, and materials. This class is repeatable for credit.

Child Development I

Course ID FAC106 Credit: .5 Grade Level: 9, 10, 11, 12
Prerequisite: None

Course Description: This course is designed to help students understand and appreciate children, the parenting process, and related careers. Topics covered include human reproduction, labor and delivery, and parenting skills. Students will study development during baby's first year.

Child Development Learning Center I

Course ID FAC102 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: None

Note: This course is only offered at Oak Park High School.

Course Description: A comprehensive program in a child's growth and development from birth through age five. Work with children in a preschool setting. Students plan and implement all activities for a preschool lab that meets twice weekly, allowing for hands-on learning and lots of fun. Other areas of study include human reproduction, pregnancy, labor and delivery, and parenting skills.

Child Development II

Course ID: FAC305 Credit: .5 or 1 Grade Level: 9, 10, 11, 12
Prerequisite: Child Development I

Course Description: This class will build an understanding of children's growth and development and a solid foundation of skills needed when interacting with children. Students learn theories of development and growth. Units of study also include adoption, childhood diseases and immunizations, special needs, establishment of routines, sibling rivalry, toy selection, and play activities. Child Development II is a good class for anyone interested in working with children or being a parent. It also is a great foundation for students interested in psychology, sociology, and human development.

Child Development Learning Center II

Course ID FAC306 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: Child Development Learning Center I

Note: This course is only offered at Oak Park High School.

Course Description: This class offers opportunities to learn about the competencies needed to work in a preschool setting. Every week, the student will work with a preschool age (3-5) child helping him/her be successful in meeting kindergarten readiness standards. Through this experience and additional community resources, the student will gain a clearer understanding of the child and his/her world. This course does cover issues with human reproduction.



Self-Development I

Course ID FAC203
Prerequisite: None

Credit: .5

Grade Level: 10, 11, 12

Course Description: Who are you? Where are you going? Through a self-discovery process, find answers to these and many other important questions related to self-development. Students will become more self-aware, analyze strategies for a healthy lifestyle, recognize the various stages of life, and how your individual personality influences your career choices.

Self-Development II

Course ID FAC208
Prerequisite: Self-Development I

Credit: .5

Grade Level: 10, 11, 12

Course Description: Where will life take you? Self-Development II will help you determine strategic choices, become aware of social issues in today's society, create healthy interpersonal relationships, and investigate careers that will match your skill set. The overall goal is to discover where you fit in the bigger picture.

College Introduction to Teaching



Course ID GEN509
Prerequisite: Child Development I and II strongly suggested

Credit: 1

Grade Level: 10, 11, 12

Note: This course is offered as a part of the Pre-Teaching pathway in the IB Career-related Program (IBCP). This course is only offered at Oak Park and NKCHS.

Course Description: This course is designed to explore the skills needed to become a teacher in the 21st century. From historical contexts to communicative/social skills, students will understand and acquire the tools needed to implement state and district curriculum, to develop lesson plans and developmentally appropriate practices that will build a strong foundation for one's future as part of the education community.

FACS Internship (off campus)



Course ID FAC301
Prerequisite: Successful completion of entry-level FACS course and application. Transportation provided by the student

Credit: .5 – 2

Grade Level: 11, 12

Note: This course is offered as a part of the Pre-Teaching pathway in the IB Career-related Program (IBCP).

Course Description: Explore culinary arts, hospitality, fashion, clothing, interior design, housing, children, families, education, or health by spending part of your day in the work world away from school with a community professional. Working with a field site supervisor in one of these areas will familiarize you with the responsibilities and rewards of that career choice. **May be repeated for credit.**



Extraordinary Educational
Experiences

Metropolitan Community College Advanced Technical Skills Institute- Early College Program



Available in Launch
(Online learning)



Weighted



Gold Medallion course



Potential to earn
college credit



Off Campus

General Elective courses.

Note: Programs are by application and approval. Applications are available in the Counseling offices.

College Building Maintenance and Construction



Kansas City Construction Career Academy

Course ID MCC901

Credit: 3

Grade Level: 11, 12

Prerequisite: None

Course Description: The Building Maintenance & Construction, or also called the Kansas City Career Construction Academy (KCCCA), allows students to earn multiple college hours at MCC – Advanced Technical Skills Institute. KCCCA is a half day off campus program and open to all students starting their Junior or Senior year. Students will have the opportunity to concurrently earn their high school diploma and college credits toward an Associate of Applied Sciences degree in Building Maintenance and Construction. Information and application can be found at <https://www.nkcschools.org/page/4319>.

39-66 college credits

Level I & II Certificates
OSHA 10-hour card

College Engineering Technology I



Course ID BTC305

Credit: 3

Grade Level: 11, 12

Prerequisite: None

Course Description: Engineering technicians work hand-in-hand with engineers, technologists, industrial designers, and production specialists to design, create, and manufacture almost anything you can imagine. Engineering technicians and drafters focus on applying software, technology, and industry knowledge to projects, whereas engineers focus on theoretical thinking. Engineering technicians and drafters work with engineers, designers, physical scientists, or planners to design processes, places, or products. Students learn about engineering graphics and computer aided design, electrical theory, workplace safety, Revit, Solid Works, and Inventor software packages, entrepreneurship, and more. This program will give you solid foundational skills in computer-aided drafting and design (CADD), parametric modeling, prototyping and residential design. In the Engineering Technology Early College track you will earn:

39-42 college credits

OSHA 10-hour card
OSHA Electrical Safety

Computer Aided Drafting Certificate

College Heating, Ventilation & Air-Conditioning I



Course ID BTC312
Prerequisite: None

Credit: 3

Grade Level: 11, 12

Course Description: In the Heating, Ventilation and Air-Conditioning track, you will work with the same equipment you'll use on the job while installing and maintaining the efficiency of climate control systems in residences and commercial settings. Students will learn how to install, service and maintain climate control systems, as well as mechanical, electrical, and electronic components in heating and cooling equipment. Students will also work on furnaces, air-conditioners, refrigeration units, heat pumps and boilers, develop a mind-set for safety at work and learn how to troubleshoot problems. Our advanced certificate includes courses that students can use to transfer and pursue a bachelor's degree. The HVAC program also prepares students to take and pass EPA 608 refrigerant certification as well as the industry recognized HVAC Excellence Certifications. In Heating, Ventilation, and Air-Conditioning Early College track you will earn:

39-42 college credits OSHA 10-hour card
HVAC Job Ready Certificate OSHA Electrical Safety
Heating, Ventilation, Air-Conditioning & Refrigeration Advanced Certificate

College Welding



Course ID BTC320
Prerequisite: None

Credit: 3

Grade Level: 11, 12

Course Description: This welding program will teach shielded metal arc welding, MIG welding, TIG welding, pipe welding, flame cutting and plasma cutting. Your coursework, working toward an associate degree, will include interpreting blueprints, electrical fundamentals, welding metallurgy and American Welding Society electrode classifications. You will use equipment and techniques used in the industry and build a foundation to enter the workforce. Our programs prepare students for AWS Level I and Level 2 certification. You can work as a welder, fabricator, maintenance welder, MIG/TIG welder, inspector, manager, salesperson, engineer, pipefitter and much more. 39-42 college credits, OSHA 10-hour card, CPR Certificate, OSHA Electrical Safety, NIMS Certificates, OSHA Machine Guarding.



Extraordinary Educational
Experiences

Off Campus Programs: Northland CAPS



Available in Launch
(Online learning)



Weighted



Gold Medallion course



Potential to earn
college credit



Off Campus

General Elective courses.

Note: Programs are by application and approval. Applications are available in the Counseling offices or find more information at <https://www.northlandcaps.org/s/1625/bp19/home.aspx>.

Students must provide their own transportation for this program.

Digital Media and Design



Course ID NCS105 Credit: 3 Grade Level: 11, 12
Prerequisite: None

Course Description: This course is designed for the creative/artistic student who is interested in exploring careers in Digital Media. The strand is divided into four sub strands: graphic design, digital photography, video production, and audio production. Students will meet professionals for the four sub strands, visit and work with them using professional tools and computer programs, applying skills and techniques on latest professional editing software. Here you can learn the different concepts and professional skills which coincide with different professions. Some career paths for those in this field are: animator, logo designer, digital photographer, sound and mixing engineers, theater performance, video editor, camera operator, and director.

Engineering and Advanced Manufacturing



Course ID NCS101 Credit: 3 Grade Level: 11, 12
Prerequisite: None

Course Description: This course is designed for students who are interested in working hands-on to produce products, developing solutions to complex problems, learning 2D and 3D software programs, and gaining professional skills. Students should be willing to explore different types of engineering and manufacturing positions. Apply lean manufacturing processes that create value for customers and drive out the waste in production. Students experience hands-on, active learning with full immersion in real-world projects sponsored by business partners. Students work in multi-disciplinary teams to provide innovative solutions to a company's real-world problems. Engineering projects are tailored to student interest in the fields of chemical, electrical, mechanical, civil, environmental, software/computer, architectural, advanced manufacturing, robotics, biological, and environmental.

Global Business and Logistics



Course ID NCS106 Credit: 3 Grade Level: 11, 12
Prerequisite: None

Course Description: This course is designed for students who are interested in an ever-changing world, where business and marketing decisions must adapt to the global economy, many times resulting in global expansion of the business. Students partner with local, regional, national, and international businesses to produce marketing plans, advertising and promotional plans, customer research, social media plans, event management, and strategic plans. Students will be introduced to domestic and global business operations, economic and cultural factors, political systems, and a survey of marketing within the global economy. Students will experience working with mentors and businesses that organize, plan and manage people, facilities, and supplies. You will learn a set of skills that will allow you to effectively streamline the flow of materials, finances, and information for a company.

Medicine and Healthcare



Course ID NCS102
Prerequisite: None

Credit: 3

Grade Level: 11, 12

Course Description: This course fully immerses students in North Kansas City Hospital and Liberty Hospital, providing unprecedented access to real-world experiences in the dynamic field of medicine and healthcare. Alongside some of the region’s most experienced medical professionals, students will advance their understanding of human physiology, disease process, medical terminology, patient care, professionalism, ethics, and provide an exploration of many career opportunities in healthcare. In the classroom, students will expand upon principles of human physiology through in-depth case studies of body systems, develop fluency in basic medical language, formulate treatment plans for patients, practice physical assessment skills, and perform patient care and life-saving procedures within a high-fidelity simulation lab. These activities are designed to enhance student analysis and problem-solving skills. Students will receive certification in CPR and AED and complete a CAPStone project for the semester, connecting to mentors in their area of interest to develop a project that is real, relevant, and of service to the community or business partner.

Technology Solutions



Course ID NCS100
Prerequisite: None

Credit: 3

Grade Level: 11, 12

Course Description: This course is ideal for students who are interested in developing the professional and technical skills required to forge forward in exploring all areas of technology. Immerse yourself in a professional environment while you tackle and solve real-world problems using a vast array of technology skills. Students interested in technology will perform real-world projects for clients utilizing the expertise of diverse guest instructors, mentors, and business partners. Strong emphasis is placed on software engineering skills such as programming methodology and problem solving using multiple languages, algorithm design and development, data abstraction, and well-documented programming, testing, and debugging. Students interested in design will create a wide array of digital assets in a profession-based learning environment, which provides opportunities to collaborate with mentors and business clients.



Extraordinary Educational
Experiences

Off Campus Programs: Class Act Coffee

Entrepreneurial Studies (Class Act Coffee)

Course ID BMK322Y Credit: 3 Grade Level: 11,12
Prerequisite: Entrepreneurship or Marketing

Course Description: Class Act Coffee provides students a unique, experiential learning opportunity to gain hands-on business, marketing and entrepreneurial skills that can easily translate across any career path. Students operate all aspects of a fully functioning Coffee Shop. Students are responsible for all aspects of the business, including management, marketing, sales, product research, purchasing, inventory, merchandising, graphic design, facilities management, customer service, **accounting**, and financial analysis. Students have the opportunity to dive deeper into their specific areas of interest while learning all facets of operating a business.



Extraordinary Educational
Experiences

Off Campus Programs: Northland Career Center (NCC)



Available in Launch
(Online learning)



Weighted



Gold Medallion course



Potential to earn
college credit



Off Campus

Practical Arts courses.

Note: This program is by application and approval. Shadowing opportunities are available. Applications are available in the Counseling offices or visit <https://www.plattecountyschooldistrict.com/page/25> for more information.

English Credit: *Students will meet as a class with the Language Arts Teacher approximately four times a semester to earn .5 credits per year. Lessons and projects will be geared toward improving english skills that will make students more successful for a future career in that particular program. Therefore, plans will include significant input from course instructors while being aligned with standards from the Common Core.*

Math Credit: *The math credit (.5 credits per year) will be embedded within the regular schedule of the program. Lessons and projects will be geared toward improving math skills that will make students more successful for a future career in that particular program. Therefore, plans will include significant input from course instructors while being aligned with standards from the Common Core.*

Students must provide their own transportation home from the high school (if attending the afternoon session) because the schedule for the NCC program extends outside the normal school day. Buses for the afternoon session return as late as 3:15 p.m. to the high school. The school district cannot provide transportation home for the high school students wishing to enroll in the afternoon NCC session.

Agriculture, Food, and Natural Resources

Agricultural Sciences – Plant Systems



Course ID: STC135 Credit: 3 Grade Level: 10, 11, 12
Prerequisite: Algebra I, Basic Science and Reading Level: 10th grade +

Note: Class rotates AM/PM sessions each year. For example, students enrolled as sophomores/juniors in the AM will stay in the AM class the following year to take Animal Systems. 2021-22 school year Plant Systems class is offered in the AM.

Course Description: This course provides a foundation of plant systems knowledge and skills. Students will experience various plant systems concepts through exciting “hands-on” activities, projects, and problems. Student experiences will include the study of plant anatomy and physiology, classification, and the fundamentals of production and harvesting. Students will learn how to apply scientific knowledge and skills to use plants effectively for agronomic, forestry, and horticultural industries. Students will discover the value of plant production and its impact on the individual, the local, and the global economy. Students will work on major projects and problems similar to those that plant science specialists, such as horticulturalists, agronomists, greenhouse and nursery managers, and plant research specialists, face in their respective careers. Students will understand specific connections between the course’s lesson and Supervised Agricultural Experience and FFA components of agricultural education programs. Students will improve investigative, experimental and communication skills. This course is intended to build a foundation on the Introduction to Agriculture, Food and Natural Resources course. The course is structured to enable all students to have a variety of experiences that will provide an overview of the plant industries. This course includes the following units of study: · Worlds of Opportunity · Mineral Soils · Soilless Systems · Anatomy and Physiology · Taxonomy · The Growing Environment · Plant Reproduction · Surviving a Harsh Environment · Crop Production and Marketing

Optional: *Three (3) hours of dual credit through State Fair Community College.*

Agricultural Sciences – Animal Systems



Course ID STC136 Credit: 3 Grade Level: 10, 11, 12
Prerequisite: Algebra I, Basic Science and Reading level: 10th grade +

Note: Class rotates AM/PM sessions each year. 2021-22 school year Animal Systems class is offered in the PM.

Course Description: This course is designed to expose students to agriculture, animal systems, and related career options. Students participating in the Animal Systems course will have experiences in various animal science concepts with exciting hands-on activities, projects, and problems. Students' experiences will involve the study of animal anatomy, physiology, behavior, nutrition, reproduction, health, selection, and marketing. For example, students will acquire skills in meeting the nutritional needs of animals while developing balanced, economical rations. Throughout the course, students will consider the perceptions and preferences of individuals within local, regional, and world markets. Students will explore hands-on projects and activities to learn the characteristics of animal science and work on major projects and problems similar to those that animal science specialists, such as veterinarians, zoologists, livestock producers, and industry personnel, face in their respective careers. In addition, students will understand specific connections between animal science lessons and Supervised Agricultural Experience and FFA components that are important for the development of an informed agricultural education student. Students will investigate, experiment, and learn about documenting a project, solving problems, and communicating their solutions to their peers and members of the professional community. This course of study includes: · Background and Social Issues of Animal Science · Anatomy and Physiology · Nutrition · Reproduction · Genetics · Animal Health · Animal Selection.

Credit Type Earned: The Missouri Graduation Requirements allow students that have attended a CTE program for two years to utilize their final year of credit as follows: one credit of science or math, one credit of technology or practical art, and one credit of elective.

Optional: Three (3) hours of dual credit through State Fair Community College.

Architecture & Construction

Construction Technology I



Course ID STC103 Credit: 3 Grade Level: 11, 12
Prerequisite: Ability to read a tape measure, add and subtract fractions, and calculate dimensions in feet and inches; work at various heights and lift 25 pounds.

Course Description: This program is competency based and teaches skills and theory related to the building trades industry. Areas of study include framing, leveling, blueprint reading, building plans, specifications and codes, footings and foundations, and sheetrock hanging. Each student must pass a safety test to work around hand and power tools. The student is required to provide their own boots and clothing for working in hot and cold weather.

Hospitality and Tourism

Culinary Arts I



Course ID STC100 Credit: 3 Grade Level: 11, 12
Prerequisite: Able to lift 50 pounds from the floor to a table; 9th grade math level; and access to the Internet from home.

Course Description: The focus of study will be food service terminology, equipment identification and use, knife skills, basic food preparation, sanitation, and safety. These skills and knowledge will lead to preparation methods for stocks, soups, and sauces. Students will receive hands-on experience through assuming the role of steward (pot/dishwasher) and cook's helper in the pre-preparation of meals. An understanding of multiplication, division, addition, and subtraction of fractions and decimals, percentages, volume, and weight measurement is essential.

Optional: Seven (7) hours of articulated credit is available through JCCC after completing 2 years and earning the Certified Junior Culinarian Certification. Three (3) hours of articulated credit is available through the CIA after completing 2 years. Students may earn their ServSafe Protection Certificate through the National Restaurant Association.

Health Sciences

Health Sciences I



Course ID	STC105	Credit: 3	Grade Level: 11, 12
Prerequisite:	Student must have a Social Security number, and pass state criminal background check; must not be on the state employment disqualification list. Required to obtain a 2 step TB test on their own and provide documentation of results; hepatitis vaccination is encouraged; purchase uniform and wear scrubs daily in class and for clinicals; knowledge in basic science and positive people skills encouraged. At the end of the first semester there is a written and performance test. Due to the nature of off-site work; behavior, academics (students must have a “C” average or be recommended by the instructor to return for the second semester), and attendance policies are strictly followed. Second semester, students attending clinicals at clinical sites <u>must provide their own transportation</u> . Students desiring to earn their Certified Nursing Assistant Certification (CAN) will work/volunteer at a long-term care facility. Students that do not want to earn their CNA can still attend but at the end of the year will have to take a TSA on safety and infection control.		

Note: This is a one or two-year program.

Course Description: The first year of Health Sciences teaches students basic health care, CPR, anatomy, common disorders, and introduction to medical terminology. Students have the opportunity to take the Certified Nursing Assistant state test. The students will also explore a variety of careers in the health field including radiology, physical therapy, veterinary, dietary, respiratory therapy, medical records, dentistry, etc., to enable students to make an informed decision about a career in health care.

Health Science TSA/IRC: Certified Nursing Assistant/CPR/First Aid, OSHA 10, Stop the Bleed

Graduation: Students that have met the academic and attendance requirements and earned their CNA their junior year may participate in NCC’s graduation.

Human Services

Teaching Professions I



Course ID	STC107	Credit: 3	Grade Level: 11, 12
Prerequisite:	Must have a Social Security number; background check through Family Care Registry. In order to work off-site, it is highly recommended that students have their own transportation. Due to the nature of off-site work; behaviors, academics (students must have a “C” average or recommendation from the instructor to return at second semester), and attendance policies are strictly followed.		

Course Description: This course offers offsite training and observation of students at licensed child care centers, preschools, and local public schools through the 8th grade. First year students will be placed at an observation site close to NCC. Students can earn 169 hours of observation time. Activities will include lesson planning and implementation coursework including: child development, Foundational Elements of Teaching, Professional Educator Responsibilities, Instructional Design & Delivery, Data Analysis, CPR & First Aid training, employability skills, assessments, and behavior management.

Optional: Four (4) hours of Dual Credit is available through Missouri Western State University.

Information Technology

IT Professionals I



Course ID STC130 Credit: 3 Grade Level: 11, 12
Prerequisite: Keyboarding or equivalent; "minimum" academic levels in 10th grade writing and math.

Note: This is a one or two-year program. There is an embedded .5 senior English credit.

Course Description: First year students will concentrate on Hardware, Software, and Networking. This includes computer repair and troubleshooting PCs and operating systems. Students will work towards earning their PC Pro and A+ Certifications. Students will also cover networking and learn basic Cisco router and switch configurations and protocols. Students have access to work on their skills 24/7 through the TestOut website. Due to the rigorous pace and content, it is recommended that students have a strong interest and aptitude in the computer industry, have good study habits, and can work independently.

Optional: Six (6) hours of college dual credit is available through Metropolitan Community College.

Law, Public Safety, Corrections, and Security

Law Enforcement/Crime Scene Investigation I



Course ID STC109 Credit: 3 Grade Level: 11, 12
Prerequisite: Good high school disciplinary record and an interest in science and a general understanding of Algebra/Geometry concepts. Student must have an interest in law and the social rule.

Course Description: LE/CSI provides an introduction to the criminal justice system with emphasis on crime scene investigation. Topics covered are: crime scene and accident investigation, professional ethics and leadership, U.S. Constitutional Law, and Missouri Criminal Code. The class is designed for those interested in pursuing careers in law, public safety, corrections, security, and crime scene investigation.

Transportation, Distribution, and Logistics

Aviation Technology I



Course ID STC129 Credit: 3 Grade Level: 11, 12
Prerequisite: Mechanical aptitude

Course Description: Instruction will include basic concepts in aircraft blueprints/drawings, avionics, aircraft structure/composition, aircraft sheet metal and welding, aircraft systems and components, safety, and human factors. Students will also study the aerodynamics and performance of flying an Unmanned Aircraft in order to earn their remote pilot certificate.

Diesel Technology – Medium/Heavy Duty Truck Systems



Course ID STC115 Credit: 3 Grade Level: 11, 12
Prerequisite: None

Note: Class rotates AM/PM sessions each year. For the 2021-22 school year, this class is offered in the AM.

Course Description: Instruction includes a study of troubleshooting and tune-up procedures. Powertrains, air and hydraulic brakes, basic hydraulics, steering and suspension systems are included in this course. An introduction to welding and automotive air conditioning basic theory helps round out the students' knowledge.

Diesel Technology – Engines and Electrical/Electronic Systems



Course ID STC116 Credit: 3 Grade Level: 11, 12
Prerequisite: None

Note: Class rotates AM/PM sessions each year. For the 2021-22 school year, this class is offered in the PM.

Course Description: Instruction will include a basic concept of diesel engine theory, general shop safety practices, basic hand tools, common fasteners, shop equipment, precision measuring devices, and identifying, assembling and reassembling component parts. Introduction to various fuel systems, cooling systems, lubricating systems, failure analysis, preventative maintenance and electrical systems are studied and related activities performed.

Manufacturing

Heating, Cooling & Climate Control I



STC137 Credit: 3 Grade Level: 11, 12
Recommended: Algebra I, Physics, Physical Science, and Basic Electricity

Course Description: This program provides competency-based instruction and teaches skills and theory relating to air conditioning, refrigeration, and heating. Topics include occupational safety, hand and special tools, tubing applications, soldering, welding and brazing, basic mechanical refrigeration, EPA regulations, refrigerants, recovery, recycling and reclamation, evacuating, pressurizing, leak testing, and charging. Fundamentals of electricity, electrical power, circuits, symbols and diagrams, transformers and relays, thermostats, electric motors, capacitors, troubleshooting ACR system electrical circuits, and ACR wiring diagrams will also be covered. Operation and service of electrical and mechanical components will be applied to commercial and domestic systems. The first part of a two-part program, students will develop entry-level skills for employment in a variety of related fields.

Industrial Welding I



Course ID STC113 Credit: 3 Grade Level: 11
Prerequisite: 9th grade math level; previous drafting classes desirable

Course Description: The program covers basic competencies and skills in flame cutting, fusion welding, oxygen-acetylene, and shielded metal arc welding on carbon steel. Safety, blueprint reading, and terminology are also included to help students gain a foundation for entry-level employment.

Optional: 9 hours of dual credit is available through MCC. American Welding Society Level I SENSE Training Certification: GMAW and SMAW processes.

Production Technologies I



Course ID STC133 Credit: 3 Grade Level: 11, 12
Prerequisite: None

Note: This course is only offered during the PM session.

Course Description: This program allows students to earn dual credit towards an Associate's Degree and/or certification in a variety of areas related to the manufacturing industry (for example: CAD, CNC, HVAC, Industrial Electrical, Industrial Maintenance, Major Appliance Technology, Millwright, Welding and more). Cutting edge technology has changed the way products are manufactured in the United States and abroad. These changes have increased the need for specialized careers in the development and maintenance of the computers/machines that produce the goods we use on a daily basis. This program is located at the Northland Career Center, but students will spend one day a week at Metropolitan Community College Business & Technology Campus in order to utilize a variety of their lab space and equipment and assist students in choosing the manufacturing career that is right for them. Students will also visit industries located in the Northland as a part of career exploration.

Optional: Ten (10) hours of college dual credit is available through MCC.



Extraordinary Educational
Experiences