

# Newton High School

## COURSE GUIDE



**2026-2027**

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## *USD 373 Mission*

*The mission of the Newton School Community is to prepare and empower our students to be contributing participants in a changing world.*



## *Newton High School Mission*

*The mission of the NHS community is to prepare our students to be productive citizens in a career or college setting.*

# Welcome to Students and Parents

The purpose of this guide is to assist students and parents in planning a course of study tailored to individual student needs, interests, and aspirations. After an introductory section on general requirements, grades, academic placement, and student classification, the program of studies provides a brief description of the prerequisites and content of the courses Newton High School offers. These descriptions should be consulted in selecting courses for next year. Students and parents with questions regarding courses and the implications of selecting them are encouraged to consult with school counselors or their seminar teacher. Information in this guide is accurate as of date of printing and subject to change at any time due to updates in local, state, and federal policies. Please refer to the online version of this guide for the most up-to-date information.

## Students and Parents: Review the state and local course requirements included in the guide along with the USD 373 BOE Graduation Requirements.

- Consider your post-secondary education plans and career interests. Decide which college or other post-secondary institutions you might attend.
- Review the core course and elective offerings.
- Complete the course selection process as directed by your school counselor and/or seminar advisor.

Availability of courses listed in the program guide depends on student requests, staffing and other resources. Some courses may not be available on all campuses in a face-to-face traditional format. Other formats (online learning or distance learning) may be utilized to provide a course to meet student requests within district procedures.

# A Newton High School Graduate has a rigorous academic foundation, strong character, and is...



**equipped with skills for life.** Newton High School graduates exhibit grit and determination in all aspects of life; respect self and others; engage in healthy life choices; are literate and articulate; proficient with technology; and meaningfully and practically apply knowledge in productive ways.



**a servant leader.** Newton High School graduates demonstrate confidence while maintaining a humble and kind demeanor; prioritizing the needs of others while accepting responsibility for themselves and are accountable for their own actions; are optimistic; and strive to bring out the best in others.



**an effective communicator.** Newton High School graduates communicate clearly both orally and in writing; respectfully and actively listen to others; appropriately engage in courageous conversations; and appropriately adapt their communication style to the audience



**a critical thinker.** Newton High School graduates are visionary and solutions-oriented problem solvers; are inquisitive and innovative; and have the courage to actively challenge conventional methods in order to improve themselves and the world around them.



**a compassionate citizen.** Newton High School graduates are empathetic to their fellow citizens, exhibiting care and concern for others; are inclusive and embrace differences; are culturally aware; actively engage in improving our diverse community; exercise their right to vote; and are dependable, respectful, trustworthy, and self-disciplined.

**a collaborative team member.** Newton High School graduates work effectively with others to achieve group goals; take actions that respect the needs and contributions of others; yield their own objectives to the goals of the team; and positively facilitate and contribute to team work.



**a life-long learner.** Newton High School graduates approach life with wonder and curiosity; seek opportunities to be creative; possess a thirst for knowledge and the ability to adapt to change; and are academically prepared to pursue and attain futures beyond what they can imagine!

# Graduation Requirements (Class of 2027)

Students must earn 26 credits total as well as specific credits by academic area in order to graduate. (see table below)

Each successfully completed course counts as .5 (one-half) credit per semester (Aug-Dec or Jan-May). Students enroll in a course each period each semester and may earn 8.25 credits in an academic year. Additional options include college courses.

Twenty-six (26) total credits are required for a standard NHS diploma with specific requirements listed below by subject area:

| Subject                               | Minimum Credits |
|---------------------------------------|-----------------|
| English Language Arts                 | 4.0             |
| Mathematics                           | 3.0             |
| Science                               | 3.0             |
| Social Studies                        | 3.0             |
| Fine Arts                             | 1.0             |
| Physical Education                    | 1.0             |
| Financial Management                  | 0.5             |
| Speech/Communication                  | 0.5             |
| Electives                             | 10.0            |
| <b>Minimum Credits for Graduation</b> | <b>26.0</b>     |

| Fine Arts Credits          |                                |                         |
|----------------------------|--------------------------------|-------------------------|
| All Art Courses            | All Instrumental Music Courses | All Vocal Music Courses |
| All World Language Courses | Drama 1                        | Drama 2                 |
| Technical Theater          | Speech                         | Novice Debate           |
| Culinary Arts I            | Forensics                      | Interior Design         |
| Honors Debate              | Woodworking 1 or 2             | Engineering Design      |
| Fashion Studio 1, 2, or 3  | Principles of Engineering      | Auto Restoration        |
| Pre-vocational Welding     | Welding Technology 1           | Precision Machining     |
| Introduction to Journalism |                                |                         |

# Graduation Requirements (Class of 2028 & Beyond)

Students must earn 26 credits total as well as specific credits by academic area in order to graduate. (see table below)

Each successfully completed course counts as .5 (one-half) credit per semester (Aug-Dec or Jan-May). Students enroll in a course each period each semester and may earn 8.25 credits in an academic year. Additional options include college courses.

Twenty-six (26) total credits are required for a standard NHS diploma with specific requirements listed below by subject area:

| Subject                               | Minimum Credits |
|---------------------------------------|-----------------|
| English Language Arts                 | 3.5             |
| Mathematics                           | 3.0             |
| Science                               | 3.0             |
| Social Studies                        | 3.0             |
| Fine Arts                             | 1.0             |
| Physical Education                    | 1.0             |
| STEM                                  | 1.0             |
| Financial Management                  | 0.5             |
| Speech/Communication                  | 0.5             |
| Electives                             | 9.5             |
| Post Secondary Asset List             | Required        |
| <b>Minimum Credits for Graduation</b> | <b>26.0</b>     |

| Fine Arts Credits          |                                |                         |
|----------------------------|--------------------------------|-------------------------|
| All Art Courses            | All Instrumental Music Courses | All Vocal Music Courses |
| All World Language Courses | Drama 1                        | Drama 2                 |
| Technical Theater          | Speech                         | Novice Debate           |
| Culinary Arts I            | Forensics                      | Interior Design         |
| Honors Debate              | Woodworking 1 or 2             | Engineering Design      |
| Fashion Studio 1, 2, or 3  | Principles of Engineering      | Auto Restoration        |
| Pre-vocational Welding     | Welding Technology 1           | Precision Machining     |
| Introduction to Journalism |                                |                         |

# STEM & Post Secondary Graduation Requirements

Class of 2028 & Beyond

## STEM Requirements

### 1cr. Required

| <u>Advanced Math</u>      | <u>Advanced Science</u>   | <u>Robotics</u> |
|---------------------------|---------------------------|-----------------|
| Transition to College Alg | Anatomy and Physiology    | Robotics        |
| College Alg (.5)          | Biotechnology in Medicine |                 |
| Data Science              | Human Body Systems        |                 |
| AP Pre Calculus           | Physics                   |                 |
| AP Calculus               | Honors Physics            |                 |
| AP Calculus 2             | AP Biology                |                 |
| AP Statistics             | AP Chemistry              |                 |

### Advanced CTE

|  |                                     |  |
|--|-------------------------------------|--|
| Advanced Accounting 2                            | CNA                                 | Human Services Workplace Experience        |
| Advanced Modern Ag Mechanics                     | Digital Media Design Production     | HVAC                                       |
| Ag Academy Workplace Experience                  | Drones                              | Investing                                  |
| Ag Power Mechanics                               | Electrical Tech 1 & 2               | Marketing Workplace Experience             |
| AgriBusiness                                     | EMT 1                               | Network Systems 1 & 2                      |
| Animal Health                                    | Engineering Design and Development  | Precision Machining and CNC Fundamentals 2 |
| Architecture & Construction Workplace Experience | Engineering Workplace Experience    | Small Business Management                  |
| Automotive Technology 2                          | Finance Workplace Experience        | Teaching Workplace Experience              |
| Civil Engineering and Architecture               | Fire Science 1 & 2                  | Telecom Workplace Experience               |
| Computer Integrated Manufacturing                | Graphic Design Workplace Experience | Transportation Workplace Experience        |
| Culinary Workplace Experience                    | Health Science Workplace Experience | Welding Technology 2                       |
| CMA  | Horticulture 2                      | Woodworking 2/Carpentry 1                  |

## Post Secondary Assets

### 2cr. Required

|  |                                   |  |
|--|-----------------------------------|--|
| 2 or more high school athletics / activities | ASVAB                             | Senior projects  |
| 4 H Key Award                                | CTE Scholar                       | Sr Exit Interview(senior portfolio)                    |
| 9+ college hours                             | Eagle Scout / Gold Scout          | State Assessment scores of 3 or 4 ELA, Math or Science |
| 90% attd in high school                      | Industry regonized certifications | State Scholar Curriculum                               |
| ACT composite of 21                          | SALT / STUCO / club officer       | Work Keys - Silver or higher                           |
| AP exam 3+                                   | SAT - 1200 or better              | Workplace learning directly related to IPS             |
| Apply and interview for a job                | Seal of Biltieracy                | Youth Centered Apprenticeship .5-1                     |

# Academic Recognition Programs

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## ACADEMIC LETTERING

To receive an academic letter, students must have a GPA of 3.5-4.0 when averaging the semester grades. Awards are handed out in the fall for the previous year, and again in the spring for seniors, averaging the three quarters of their senior year.

Gold Bar 3.9+

Silver Bar 3.7-3.89

Bronze 3.5-3.69

## NATIONAL HONOR SOCIETY

Membership in the National Honor Society is based upon excellence in the areas of scholarship, leadership, service, and character. Each category is considered independently. National Honor Society is a service organization. Members are required to complete a minimum of service hours each semester. Members will be asked throughout the year to volunteer at school and community events.

All students applying for NHS must maintain a weighted 3.5 cumulative GPA. You also must be on track to graduate **summa** curriculum cum laude but with a 3.5GPA **or** be on track to complete the Kansas Scholars Curriculum. GPA for all applicants is 3.5 minimum.

In addition to the academic criteria, letters of recommendation in support of the candidate and proof of leadership and participation in school and community activities is required as part of the application process. The application cycle takes place at the start of second semester and if you are eligible you will receive an invitation to apply. To learn more about the organization or the application process please visit the Newton National Honor Society Website: [https:// sites.google.com/usd373.org/nationalhonorsociety-newtonhs/prospective members](https://sites.google.com/usd373.org/nationalhonorsociety-newtonhs/prospective-members)

# Kansas Scholars Curriculum

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Students that complete this curriculum and meet the other requirements, may be designated as State Scholars, which makes one eligible to receive the Kansas State Scholarship as provided by the Kansas Legislature. The academic profile of recent scholars include an average ACT of 30 and an average GPA of 3.91. State Scholars may receive up to \$1,000 annually for up to four undergraduate years (five, if enrolled in a designated five-year program), based on financial need and the availability of State funds. Financial need is measured by federal methodology using data submitted on FAFSA.

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Students must have taken the ACT between April of the sophomore year and December of the senior year.

Students must be a Kansas resident.

## **English** - 4 years

One unit to be taken each year. Must include substantial recurrent practice in writing extensive and structured papers, extensive reading of significant literature, and significant experience in speaking and listening.

## **Science** - 3 years

One year each in Biology, Chemistry, and Physics, each of which include an average of one laboratory period a week. Applied/technical courses may not substitute for a unit of natural science credit.

## **Mathematics** - 4 years

Algebra I, Algebra II, Geometry, and one unit of advanced mathematics-- suggested courses include: Analytic Geometry, Trigonometry, Advanced Algebra, Probability and Statistics, Functions or Calculus. Completion of Algebra I in 8th grade is acceptable for the Kansas Scholars Curriculum.

## **Social Studies** - 3 years

One unit of U.S. History; minimum of one-half unit of U.S. Government and minimum of one-half unit selected from: World History, World Geography or International Relations; and one unit selected from: Psychology, Economics, U.S. Government, U.S. History, Current Social Issues, Sociology, Anthropology, and Race and Ethnic Group Relations. Half unit courses may be combined to make this a whole unit.

## **World Language** - 2 years

Two years of one language. Latin and Sign Language are accepted.

## **NCAA & NAIA Clearinghouse Information**

<https://play.mynaia.org/>

<https://web3.ncaa.org/ecwr3/>



# Systemwide General Education Framework

## Systemwide General Education Framework

The systemwide GE program framework is below and is comprised of 34-35 credit hours organized in six discipline-based “buckets” and an institutionally designated bucket. A student who satisfies all seven buckets will complete the systemwide GE program.

### Bucket #1: English Discipline Area



**6 Hours of English Courses**

### Bucket #2: Communications Discipline Area



**3 Hours of Communications Courses**

### Bucket #3: Mathematics & Statistics Discipline Area



**3 Hours of Math or Statistics Courses**  
These will be defined with the math pathways work

### Bucket # 4: Natural & Physical Sciences Discipline Area



**4-5 Hours from One Subject (must include a lab)**  
Anatomy  
Astronomy  
Biochemistry  
Biology  
Botany  
Chemistry  
Earth Science  
Ecology  
Environmental Science  
Geology  
Meteorology  
Microbiology  
Physical Geography  
Physical Sciences  
Physics  
Physiology  
Zoology  
Other subjects that the offering institution determines fit within the natural and physical sciences area

### Bucket #5: Social & Behavioral Sciences Discipline Area



**6 Hours in at Least Two Courses from Two Subject Areas**  
Anthropology  
Criminal Justice  
Economics  
Ethnic and/or Gender Studies  
Geography  
Political Science  
Psychology  
Social Work  
Sociology  
Other subjects that the offering institution determines fit within the social sciences area

### Bucket # 6: Arts and Humanities Discipline Area



**6 Hours in at Least Two Courses from Two Subject Areas**  
Art \*  
Communications  
Cultural Studies  
Dance\*  
English  
General Humanities  
History  
Literature  
Modern and Classical Languages  
Music\*  
Philosophy  
Religion  
Theater\*  
Other subjects that the offering institution determines fit within the arts and humanities  
\*The application of performance courses in this subject area is at the discretion of the institution.

### Bucket #7: Institutionally Designated Area



**6 Hours Determined by the Institution.**  
This area provides flexibility for each institution to define requirements to account for societal issues, local needs, and institutional priorities (Intermediate Algebra shall not be applied toward meeting this area).

Last Updated October 2022

# Seal of Biliteracy

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The Seal of Biliteracy is a recognition for high school graduates who have attained intermediate and advanced proficiencies in English and one or more additional language(s).



The Kansas Seal of Biliteracy will be awarded by the Kansas State Department of Education (KSDE) and a local school district to recognize each student who has attained proficiency in English and one or more other world languages by the time of graduation. It is a statement of accomplishment that recognizes a student's readiness for career and college, and for engagement as a global citizen. Kansas has adopted a two-tier Seal of Biliteracy, awarding a Kansas Silver Seal of Biliteracy and a Kansas Gold Seal of Biliteracy based on language proficiency levels. Some student assessment scores can be "banked" from earlier high school grades. World language assessments can be taken and retaken in the junior and senior years. Proof of proficiency in English- All students must provide comparable evidence from one of the Kansas validated assessments of English language proficiency, AND be on track to graduate. Please visit this website for more information: [https://www.ksde.org/Agency/Division-of Learning-Services/Career-Standards-and-Assessment-Services/Content-Area M-Z/World-Languages/Seal-of-Biliteracy](https://www.ksde.org/Agency/Division-of-Learning-Services/Career-Standards-and-Assessment-Services/Content-Area-M-Z/World-Languages/Seal-of-Biliteracy)

For a list of all validated assessments, see your World Language Department instructors.

# NHS Cum Laude Recognition & Weighted Grades

Graduating seniors will be recognized for academic honors and recognition at graduation based on completion of challenging courses taken throughout their high school career. The “NHS Cum Laude system” requirements are listed below:

## CUM LAUDE REQUIREMENTS FOR THE CLASS OF 2026 & BEYOND

| REQUIREMENT    | CUM LAUDE | MAGNA | SUMMA |
|----------------|-----------|-------|-------|
| GPA            | 3.7       | 3.8   | 3.9   |
| HONORS Classes | 4         | 5     | 6     |
| AP Classes     | None      | None  | 1     |

## WEIGHTED GRADES

Weighted grades are utilized in order to determine class rank. The number of points earned divided by the number of courses equals the weighted GPA. Select courses could receive weighted credit. Only Honors/AP Courses in Math, Science, English, and Social Studies will be weighted. College Courses (including Dual Credit), will NOT be weighted.

| Grade | General Grd Pts | Honors Grd Pts | AP Grd Pts |
|-------|-----------------|----------------|------------|
| A     | 4               | 4.5            | 5          |
| B     | 3               | 3.5            | 4          |
| C     | 2               | 2.5            | 3          |
| D     | 1               | 1.5            | 2          |

Any additions to this list must have the approval of the Department Chair, Building Principal, Superintendent, and USD 373 Board of Education. Only High School classes in Core Content Areas may be considered.

| Honors & AP Courses |                      |                    |                   |
|---------------------|----------------------|--------------------|-------------------|
| Honors English 1    | Honors Biology       | AP Eng Lang & Comp | AP Biology        |
| Honors English 2    | Honors Chemistry 1   | AP Statistics      | AP Chemistry      |
| Honors Geometry     | Honors Physics       | AP Pre-Calc        | AP US History     |
| Honors Algebra 2    | Anatomy & Physiology | AP Calculus 1      | AP Gov & Politics |
|                     | Honors World History | AP Calculus 2      | AP Psychology     |

# Special Education Information

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From the Kansas Special Education Processing Handbook: Chapter 8 - Discontinuing Special Education Services (updated 10/01/2020)

## B. GRADUATION

All students receiving special education services will receive a regular high school diploma at the completion of their secondary program if they meet graduation requirements of the state and school district. IEP teams do not have the authority to reward credits or issue diplomas under special education laws and regulations unless a school district has delegated such decisions to the IEP team in writing. A regular high school diploma does not include an alternative diploma that is not fully aligned with the State's academic standards, such as a certificate or GED (Federal Register, August 14, 2006, p. 46580). A modified or differentiated diploma or certificate may be used for students receiving special education services; however, such diplomas or certificates do not end eligibility for special education services.

When the student enters high school, progress toward graduation must be monitored annually and recorded on an official transcript of credits. If the student has completed the required courses for graduation, but the IEP team determines the student still needs additional special education and related services to meet IEP goals, graduation would be delayed and the student can continue to receive the needed special education services of the IEP through the school year in which the student turns 21. The district's obligation to provide special education services ends (a) when the student meets graduation requirements and receives a regular high school diploma; (b) at the end of the school year in which the child reaches age 21; or (c) an evaluation shows that the child is no longer eligible for special education services (K.A.R. 91-40-2(f)).

Students with exceptionalities who meet graduation criteria must be afforded the same opportunity to participate in graduation ceremonies as students without exceptionalities, even if the IEP team determines that services will continue after the student has met all of the required credits (but an official diploma has not been rewarded). A student may require services through age 21 to meet IEP goals, or because he or she has not obtained all required credits for graduation. In either case, the student may be allowed to participate in graduation ceremonies with the student's classmates. Schools may have a policy regarding participation in graduation ceremonies; but it must apply equally to all students in the district, not just for students with exceptionalities.

No reevaluation is required to prior exiting a student due to graduation (K.S.A 72-3428(l)(2); 34 C.F.R 300.305(e)(2)). However, before the student completes the last semester of high school in which the student is expected to graduate, the district must provide the student (if over age 18) and the parents with Prior Written Notice of the discontinuation of services at the end of the school year. The Prior Written Notice will clearly state that the student will no longer be entitled to receive special education services from the district after graduation. Parental consent for discontinuing services is not required when a child graduates with a regular diploma (K.A.R. 91-40-27(a)(3); 34 C.F.R 300.102(a)(3)(iii)).

Letter to Runkel, 25 IDELR 387, is a letter from the federal Office of Civil Rights (OCR) that provides additional guidance about criteria for grading, graduation, and diplomas for students with disabilities.

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K.S.A 72-3428. Initial evaluation of children prior to provision of services; parental consent; reevaluation; notice; procedure; duties of IEP team; child no longer eligible for services, duties.

(l) (2) An evaluation of a child shall not be required before termination of a child's eligibility for services under this act due to graduation from secondary school with a regular diploma, or due to exceeding the age of eligibility for services under this act.

K.A.R. 91-40-2. FAPE.

(f) (1) An agency shall not be required to provide FAPE to any exceptional child who has graduated from high school with a regular diploma.

(2) Each exceptional child shall be eligible for graduation from high school upon successful completion of state and local board requirements and shall receive the same graduation recognition and diploma that a non-exceptional child receives.

3) The IEP of an exceptional child may designate goals other than high school graduation.

(4) When an exceptional child enters high school, progress toward graduation shall be monitored annually and recorded and recorded on an

# Special Education Information (cont...)

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From the Kansas Special Education Processing Handbook: Chapter 8 - Discontinuing Special Education Services (updated 10/01/2020)

## C. SERVICES THROUGH AGE 21

The district must make a free appropriate public education (FAPE) available to any student who has not graduated with a regular high school diploma until the end of the school year in which the student turns 21 (the school year ends on June 30). The IEP team may determine that the student needs extended school services, which would be available through June 30 of the school year in which the student turns 21. The school must provide the student age 18 and over, and the parents with Prior Written Notice that the services will be discontinued at the end of the school year, however parental consent is not required. A reevaluation is also not required when a student graduates or ages out of eligibility of services upon turning age 21 (K.S.A 72-986(l)(2); (K.A.R. 91-40-10(s) (2); (K.A.R. 91-40-27(a)(3); 34 C.F.R. 300.305(e)(2).

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34 C.F.R. 300.101. Free appropriate public education (FAPE).

1. General. A free appropriate public education must be available to all children residing in the state between the ages of 3 and 21, inclusive, including children with disabilities who have been suspended or expelled from school as provided for 300.530(d).

2. K.S.A 72-3428. Initial evaluation of children prior to provision of services; parental consent, reevaluation, notice, procedure, duties of IEP team; child no longer eligible for services, duties.

(l) (1) Except as provided in paragraph (2), an agency shall reevaluate a child in accordance with the section before determining that the child is no longer an exceptional child.

(2) A reevaluation of a child shall not be required before termination of a child's eligibility for services under this act due to graduation from secondary school with a regular diploma. Or due to exceeding the age of eligibility for services under this act.

## Additional Common Questions:

### 1. What is required when the student graduates from high school?

The school must provide the parents, and the student, if age 18, with Prior Written Notice of exiting special education. The Prior Written Notice will clearly state that the student will no longer be entitled to receive special education services from the district after graduation. Informed parent or adult student consent is not required. Additionally, the school must provide the student with a Summary of Performance.

### 2. May a student participate in graduation exercises with his or her classmates, if the student is not actually graduating?

Yes, the student may participate in graduation exercises unless a local policy would not allow it. However, if there is such a policy, it must apply to all students and not just students receiving special education services. Some students may require services until age 21 to meet IEP goals, which should be addressed within the student's transition plan. The student could participate in graduation exercises with the student's class, but not actually receive a diploma at that time.

# Career & Technical Education (CTE)

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## WHAT IS A CAREER PATHWAY?

A career pathway is a structured sequence of courses and experiences that help prepare students for postsecondary plans. You can think of it like a step by step guide that shows the way from learning in the classroom to working in the real world.

It usually starts with exploring different jobs and interests in elementary and middle school, and leads to taking specific courses or training programs in high school that align with those interests. Along the way, students have the opportunity to earn certificates, take college courses, and get real work experience- all to help prepare them for post secondary success.

To be considered a CTE Completer in the pathway, students must complete 3.0 credits within the course sequence and earn an industry recognized, comprehensive certification or pass a third-party, end-of-pathway assessment. At least 2.0 of the required 3.0 required credits must be a combination of technical and application level courses.



# Industry Recognized Credentials

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## Agriculture

- cPass—Comprehensive Agriculture Assessment
- OSHA 10

## Business Finance

- SK Fundamental Finance Concepts

## Business Marketing

- ASK Fundamental Concepts of Marketing certification test

## Construction and Design

- NCCER-Core Carpentry
- HVAC
- Carpentry 1 (Hutch CC)

## Health Science

- CNA Certificate (Hutch CC)
- CMA Certificate (Hutch CC)
- EMT Certificate (Hutch CC)

## Electrical

- Electrical 1 - Industrial Mechanical Maintenance (Electrical) - Certificate A (Hutch CC - 19 credits)
- Electrical 2 - Industrial Electronic Technology - Certificate B (Hutch CC - 33 credits)

## Machining

- Machining and Manufacturing Technology — Certificate A (Hutch CC - 21 credits)
- Machining and Manufacturing Technology — Certificate B (Hutch CC - 30 credits)

## Networking and Telecommunications

- JSE (Certified Entry-Level JavaScript Programmer)
- CPE (C++ Certified Entry-Level Programmer)

## Restaurant & Event Management

- Serve Safe—Food Handlers

## Teaching and Training

- Pre-PAC-Education Fundamentals

## Vehicle Maintenance & Repair

- Automotive Technology - Certificate A (Hutch CC - 19 credits)
- OSHA 10

## Welding

- Welding— Certificate A (Hutch CC - 17 credits)
- Welding— Certificate B (Hutch CC - 30 credits)

## Miscellaneous

- Fire Science (Hutch CC)

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# Core Courses

## English Language Arts

| Course Number                    | Course Title                   | Course Level                |    |    |    | Criteria (Foundational, General, Honor) | Credit  | Weighted | Prerequisite | College Credit | NCAA | Pathway | Graduation Requirement | English | Elective |
|----------------------------------|--------------------------------|-----------------------------|----|----|----|---|---------|----------|--------------|----------------|------|---------|------------------------|---------|----------|
|                                  |                                | * Teacher Approval Required |    |    |    |   |         |          |              |                |      |         |                        |         |          |
|                                  |                                | 9                           | 10 | 11 | 12 |   |         |          |              |                |      |         |                        |         |          |
| 1021-1022                        | English 9 Team                 | x*                          |    |    |    | F                                       | 1.0     |          |              |                |      |         | ✓                      |         |          |
| 1001-1002                        | General English 1              | x                           |    |    |    | G                                       | 1.0     |          |              |                |      |         | ✓                      |         |          |
| 1011-1012                        | Honors English 1               | x                           |    |    |    | H                                       | 1.0     | ✓        | ✓            |                |      |         | ✓                      |         |          |
| 1057-1058                        | English 10 Team                |                             | x* |    |    | F                                       | 1.0     |          |              |                |      |         | ✓                      |         |          |
| 1041-1042                        | General English 2              |                             | x  |    |    | G                                       | 1.0     |          |              |                |      |         | ✓                      |         |          |
| 1051-1052                        | Honors English 2               |                             | x  |    |    | H                                       | 1.0     | ✓        | ✓            |                |      |         | ✓                      |         |          |
| 1061-1062                        | General English 3              |                             |    | x  | x  | G                                       | 1.0     |          |              |                |      |         | ✓                      |         |          |
| 1103-1104                        | AP Language & Composition      |                             |    | x  | x  | H                                       | 1.0     | ✓        | ✓            |                |      |         | ✓                      |         |          |
| 1081-1082                        | General English 4              |                             |    |    | x  | G                                       | 1.0     |          |              |                |      |         | ✓                      |         |          |
| EN101-EN102, 1097-1098           | English Composition (Hutch CC) |                             |    | x  | x  | G                                       | 1.0     |          | ✓            | ✓              | ✓    |         | ✓                      |         |          |
| 1097-1098                        | Folklore Studies               |                             |    |    | x  | G                                       | 1.0     |          |              |                |      |         | ✓                      |         |          |
| 1095-1096                        | The Rhetoric of Horror         |                             |    |    | x  | G                                       | 1.0     |          |              |                |      |         | ✓                      |         |          |
| 1015                             | Creative Writing               | x                           | x  | x  | x  | G                                       | 0.5     |          |              |                |      |         | ✓                      | ✓       |          |
| <b>Academy Specific Courses</b>  |                                |                             |    |    |    |   |         |          |              |                |      |         |                        |         |          |
| 1045-1046                        | Agricultural English 2         |                             | x  |    |    | G                                       | 1.0     |          | ✓            |                | ✓    |         | ✓                      |         |          |
| 1063-1064                        | Agricultural English 3         |                             |    | x  |    | G                                       | 1.0     |          | ✓            |                | ✓    |         | ✓                      |         |          |
| 1083-1084                        | Agricultural English 4         |                             |    |    | x  | G                                       | 1.0     |          | ✓            |                | ✓    |         | ✓                      |         |          |
| 1047-1048                        | Health Science English 2       |                             | x  |    |    | G                                       | 1.0     |          | ✓            |                | ✓    |         | ✓                      |         |          |
| 1065-1066                        | Health Science English 3       |                             |    | x  |    | G                                       | 1.0     |          | ✓            |                | ✓    |         | ✓                      |         |          |
| 1085-1086                        | Health Science English 4       |                             |    |    | x  | G                                       | 1.0     |          | ✓            |                | ✓    |         | ✓                      |         |          |
| <b>English Language Learners</b> |                                |                             |    |    |    |   |         |          |              |                |      |         |                        |         |          |
| 7511-7512                        | English 2nd Language 1         | x                           | x  | x  | x  | F                                       | 0.5-1.0 |          | ✓            |                |      |         | ✓                      |         |          |
| 7513-7514                        | English 2nd Language 2         | x                           | x  | x  | x  | F                                       | 0.5-1.0 |          | ✓            |                |      |         | ✓                      |         |          |

### Freshmen

#### English 9 Team

- Credit: 1.0
- Course Number(s): 1021, 1022
- Grade Levels: 9
- Pre-Requisites: Teacher Approval
- Pathway(s): None
- Course Fees: None
- Dual Credit Available: No
- Clubs: None

**Description:** Team English 9 is a course that meets part of the graduation requirements for ELA. This course will cover content addressed in the English Language Arts standards - reading, writing, speaking, and listening. Team English 9 has a slightly modified curriculum for students that read and/or write close to, but below grade level. Students in this class typically benefit from a smaller classroom environment and need more intensive support. This course is by teacher rec. only.

\*4 Years of English required for graduation for 2027 graduates.

\* 3.5 Years of English required for 2028 & Beyond graduates.

#### General English 1

- Credit: 1.0
- Course Number(s): 1001, 1002
- Grade Levels: 9
- Pre-Requisites: None
- Pathway(s): None
- Course Fees: None
- Dual Credit Available: No
- Clubs: None

**Description:** This course introduces concepts and develops abilities in the student's understanding of literature and the English language. There is an emphasis on skills in literature, composition, grammar, and vocabulary. The course stresses paragraphs and short writings. A focus is to develop basic skills necessary to be successful in general English courses throughout high school.

#### Honors English 1

\*Weighted Course

- Credit: 1.0
- Course Number(s): 1011, 1012
- Grade Levels: 9
- Pre-Requisites: An A or B in previous English class.
- Pathway(s): None
- Course Fees: None
- Dual Credit Available: No
- Clubs: None

**Description:** Students must sign and submit a "Summer Reading and Writing Policy" form and complete summer reading and writing prior to the beginning of the school year. Honors English 1 focuses on the close reading, analytical writing, and language skills that have immediate relevance for students and that will be most essential for their future coursework.

Texts take center stage in the Honors

## ENGLISH LANGUAGE ARTS (cont)

English 1 classroom, where students engage in close, critical reading of a wide range of literary and nonfiction works. The course trains the reader to observe the small details within a text to arrive at a deeper understanding of the whole. It also trains the writer to focus on crafting complex sentences as the foundation for writing to facilitate complex thinking and to communicate ideas clearly.

### *Sophomores*

#### **English 10 Team**

- **Credit:** 1.0
- **Course Number(s):** 1057, 1058
- **Grade Levels:** 10
- **Pre-Requisites:** Teacher Approval
- **Pathway(s):** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** Team English 10 is a course that meets part of the graduation requirements for ELA. This course will cover content addressed in the English Language Arts standards - reading, writing, and listening. Team English 10 has a modified curriculum for students that read and/or write close to, but still below grade level. Students in this class typically benefit from a smaller classroom environment and need more intensive support. This course is by teacher recommendation only.

#### **General English 2**

- **Credit:** 1.0
- **Course Number(s):** 1041, 1042
- **Grade Levels:** 10
- **Pre-Requisites:** None
- **Pathway(s):** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** This course deepens the student's understanding of literary types; short stories, novels, poetry, nonfiction and drama are studied through selected readings. In addition to understanding the literature, students will write in response to the literature,

demonstrating composition skills. There is an emphasis on grammar and vocabulary.

#### **Honors English 2**

*\*Weighted Course*

- **Credit:** 1.0
- **Course Number(s):** 1051, 1052
- **Grade Levels:** 10
- **Pre-Requisites:** An A or B in previous English class & Application
- **Pathway(s):** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** Students must sign and submit a "Summer Reading and Writing Policy" form and complete summer reading and writing prior to the beginning of the school year. Honors English 2 prepares students for the rigors of college-level reading and writing. As readers, students develop a vigilant awareness of how the poet, playwright, novelist, and writer of nonfiction alike can masterfully manipulate language to serve their unique purposes. As writers, students compose more nuanced essays without losing sight of the importance of well-crafted sentences and a sense of cohesion.

### *Juniors*

#### **General English 3**

- **Credit:** 1.0
- **Course Number(s):** 1061, 1062
- **Grade Levels:** 11
- **Pre-Requisites:** None
- **Pathway(s):** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** This course emphasizes close reading and written analysis of themes in American Literature. Student comprehension of their assigned reading is assessed by writing and traditional examinations. Students are expected to construct written evidence of the results of their close reading and analysis of tests. Students will construct a written research project. Student writing skills are expected to demonstrate a level of

competence consistent with the Kansas State Writing Assessment indicators and consistently score higher than two on any six-trait writing evaluation rubric.

#### **AP English Language & Composition**

*\*Weighted Course*

- **Credit:** 1.0
- **Course Number(s):** 1103, 1104
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Honors Language Arts classes
- **Pathway(s):** None
- **Course Fees:** Optional AP Exam Fee
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** The AP English Language and Composition course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts — including images as forms of text— from a range of disciplines and historical periods.

### *Seniors*

#### **General English 4**

- **Credit:** 1.0
- **Course Number(s):** 1081, 1082
- **Grade Levels:** 12
- **Pre-Requisites:** None
- **Pathway(s):** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** General English 4 is a survey course designed to prepare students to be successful in their postsecondary plans. Areas of emphasis include the reading of both fiction and nonfiction literature and writing for academic as well as vocational purposes.

*\*4 Years of English required for graduation for 2027 graduates.*

*\* 3.5 Years of English required for 2028 & Beyond graduates.*

## ENGLISH LANGUAGE ARTS (cont)

### English Composition (Hutch CC)

- **Credit:** 1.0
- **Course Number(s):** EN101, EN102 (In-Person at Newton High), 7611/7612 (Online)
- **Grade Levels:** 11, 12
- **Pre-Requisites:** HS GPA 3.0+ or 2.7+ and at least a B in most recent HS Eng Course; or Accuplacer NG Writing Score of 255+; or ACT English AND Reading Score of 18+ or 16+ and at least a B in most recent HS Eng Course. Must pass EN 101 with a C or better to move on to EN 102.
- **Pathway(s):** None
- **Course Fees:** Hutch CC Tuition
- **Dual Credit Available:** Yes - 6.0 Hutch CC Credits
- **Clubs:** None

**Description:** Essentials of composition. Emphasis is placed on practice in writing expository paragraphs and themes and in using the techniques of research. Selected readings for models and criticism are used.

### Folklore Studies

- **Credit:** 1.0 (Counts as English 4 Credit)
- **Course Number(s):** 1097, 1098
- **Grade Levels:** 12
- **Pre-Requisites:** None
- **Pathway(s):** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** This is a survey course on major concepts of folklore and U.S. Culture. According to academic viewpoints, the study of folklore helps those who study this genre understand society, build cultural sensitivity, celebrate diversity, and can validate one's own culture. To understand how folklore operates in society, the course would be organized around the following types of folklore: 1. Fairy tales, 2. Fables, 3. Myths, 4. Legends, and 5. Tall Tales.

### The Rhetoric of Horror

- **Credit:** 1.0 (Counts as English 4 Credit)
  - **Course Number(s):** 1095, 1096
  - **Grade Levels:** 12
  - **Pre-Requisites:** None
  - **Pathway(s):** None
  - **Course Fees:** None
  - **Dual Credit Available:** No
  - **Clubs:** None
- Description:** This is a survey course on major concepts in horror studies. To understand how the applicability of the horror genre works, the course is organized around forms of rhetoric (ethos, pathos, logos) and transmission of the horror genre through social media and other media outlets. This course requires reading, evaluation, and analysis of many texts.

### English Electives

#### Creative Writing

- **Credit:** 0.5
  - **Course Number(s):** 1015
  - **Grade Levels:** 9, 10, 11, 12
  - **Pre-Requisites:** None
  - **Pathway(s):** None
  - **Course Fees:** None
  - **Dual Credit Available:** No
  - **Clubs:** Poetry Club
- Description:** This English elective is designed for any level of student (9-12) to create original forms of descriptive writing, fiction, poetry, essays, and/or children's literature. This course highlights reading strategies, vocabulary development, critical thinking, and analysis, and stresses the process of writing, editing, and revising. This will entail students reading each others' work, forming a trusting, supportive environment while critiquing and evaluating original writings. 75% of the grade is based on participation in daily activities. The remaining 25% of the grade will be placed on the quality of a writing portfolio due at the end of the semester. Students will also submit their work to local and national publications and writing contests. Final compositions will be presented using computers/word processing documents.

### English Language Learners English 2nd Language 1

- **Credit:** 0.5 to 1.0
- **Course Number(s):** 7511, 7512
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** Teacher Recommendation Only
- **Pathway(s):** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** Courses are designed for the acquisition and rapid mastery of the English language, focusing on reading, writing, speaking, and listening skills. ESL courses usually begin with extensive listening and speaking practice, building on auditory and oral skills, and then move on to reading and writing. These courses provide an explanation of basic structures of the English language, enabling students to progress from an elementary understanding of English words and verb tenses to a more comprehensive grasp of various formal and informal styles and then to advance to "regular" English courses.

#### English 2nd Language 2

- **Credit:** 0.5 to 1.0
- **Course Number(s):** 7513, 7514
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** Teacher Recommendation Only
- **Pathway(s):** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** Courses are designed for the acquisition and rapid mastery of the English language, focusing on reading, writing, speaking, and listening skills. ESL courses usually begin with extensive listening and speaking practice, building on auditory and oral skills, and then move on to reading and writing. These courses provide an explanation of basic structures of the English language, enabling students to progress from an elementary understanding of English words and verb tenses to a more comprehensive grasp of various formal and informal styles and then to advance to "regular" English courses.

\*4 Years of English required for graduation for 2027 graduates.

\* 3.5 Years of English required for 2028 & Beyond graduates.

# Mathematics

| Course Number | Course Title                      | Course Level (Recommended)  |    |    |    | Criteria (Foundational, General, Honor) | Credit | Weighted | Prerequisite | College Credit | NCAA | Pathway | Graduation Requirement | Math | STEM | Elective |
|---------------|-----------------------------------|-----------------------------|----|----|----|---|--------|----------|--------------|----------------|------|---------|------------------------|------|------|----------|
|               |                                   | * Teacher Approval Required |    |    |    |   |        |          |              |                |      |         |                        |      |      |          |
|               |                                   | 9                           | 10 | 11 | 12 |   |        |          |              |                |      |         |                        |      |      |          |
| 3041-3042     | Algebra 1                         | x                           |    |    |    | G                                       | 1.0    |          |              |                | ✓    |         | ✓                      |      |      |          |
| 3051-3052     | Math Lab for Algebra 1            | x*                          |    |    |    | F                                       | 1.0    |          |              |                |      |         |                        |      | ✓    |          |
| 3061-3062     | Geometry                          |                             | x  | x  |    | H                                       | 1.0    |          | ✓            |                | ✓    |         | ✓                      |      |      |          |
| 3053-3054     | Math Lab for Geometry             |                             | x* | x* |    | F                                       | 1.0    |          |              |                |      |         |                        |      | ✓    |          |
| 3091-3092     | Honors Geometry                   | x                           | x  |    |    | H                                       | 1.0    | ✓        | ✓            |                | ✓    |         | ✓                      |      |      |          |
| 3071-3072     | Algebra 2                         |                             | x  | x  |    | G                                       | 1.0    |          | ✓            |                | ✓    |         | ✓                      |      |      |          |
| 3057-3058     | Math Lab for Algebra 2            |                             |    | x* |    | F                                       | 1.0    |          |              |                |      |         |                        |      | ✓    |          |
| 3101-3102     | Honors Algebra 2                  |                             | x  | x  |    | H                                       | 1.0    | ✓        | ✓            |                | ✓    |         | ✓                      |      |      |          |
| 3103          | Transition to College Algebra     |                             |    | x  | x  | G                                       | 0.5    |          | ✓            |                |      |         | ✓                      | ✓    |      |          |
| MA117, 7645   | Contemporary Math (Hutch CC)      |                             |    | x  | x  | G                                       | 0.5    |          | ✓            | ✓              |      |         | ✓                      | ✓    |      |          |
| MA106, 7631   | College Algebra (Hutch CC)        |                             |    | x  | x  | G                                       | 0.5    |          | ✓            | ✓              | ✓    |         | ✓                      | ✓    |      |          |
| 3203-3204     | Data Science                      |                             |    | x  | x  | G                                       | 1.0    |          |              |                | ✓    |         | ✓                      | ✓    |      |          |
| MA108, 7641   | Elements of Statistics (Hutch CC) |                             |    | x  | x  | G                                       | 0.5    |          | ✓            | ✓              | ✓    |         | ✓                      | ✓    |      |          |
| 32011-32012   | AP Statistics                     |                             |    | x  | x  | H                                       | 1.0    | ✓        | ✓            |                | ✓    |         | ✓                      | ✓    |      |          |
| 3143-3144     | AP Pre-Calculus                   |                             | x  | x  | x  | H                                       | 1.0    | ✓        | ✓            |                | ✓    |         | ✓                      | ✓    |      |          |
| 3131-3132     | AP Calculus 1                     |                             |    | x  | x  | H                                       | 1.0    | ✓        | ✓            |                | ✓    |         | ✓                      | ✓    |      |          |
| 3133-3134     | AP Calculus 2                     |                             |    | x  | x  | H                                       | 1.0    | ✓        | ✓            |                |      |         | ✓                      | ✓    |      |          |

## Algebra 1

- **Credit:** 1.0
- **Course Number(s):** 3041, 3042
- **Grade Levels:** 9
- **Pre-Requisites:** None
- **Pathway(s):** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** Algebra I uses multiple representations (graphical, numerical, and analytical) as settings for work with linear expressions, linear equations, exponents, polynomials, functions, and statistics with applications.

## Math Lab for Algebra 1

- **Credit:** 1.0
- **Course Number(s):** 3051, 3052
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** By Teacher Recommendation Only
- **Pathway(s):** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** This course is designed for students who may need additional time to master algebraic concepts.

## Geometry

- **Credit:** 1.0
- **Course Number(s):** 3061, 3062
- **Grade Levels:** 10, 11
- **Pre-Requisites:** Algebra 1
- **Pathway(s):** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** Geometry is the study of visual patterns and geometric properties, transformations, proofs, and right triangle trigonometry. The content uses multiple representations integrated with algebraic concepts.

## Math Lab for Geometry

- **Credit:** 1.0
- **Course Number(s):** 3053, 3054
- **Grade Levels:** 10, 11
- **Pre-Requisites:** By Teacher Recommendation Only
- **Pathway(s):** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** This course is designed for students who may need additional time to master geometry concepts.

## Honors Geometry

*\*Weighted Course*

- **Credit:** 1.0
- **Course Number(s):** 3091, 3092
- **Grade Levels:** 9, 10
- **Pre-Requisites:** Algebra 1
- **Pathway(s):** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** Geometry is the study of visual patterns and geometric properties, transformations, proofs, and right triangle trigonometry. The content uses multiple representations integrated with algebraic concepts. Content in Honors Geometry will be greater in depth and more rigorous. Multiple representations integrated with algebraic concepts will be used. Greater emphasis will be placed on applications, multi-step problems, and proofs. Students enrolled in this course should have strong mathematical problem-solving skills.

# MATHEMATICS (cont)

## Algebra 2

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- **Credit:** 1.0
- **Course Number(s):** 3071, 3072
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** Geometry or Honors Geometry
- **Pathway(s):** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** Algebra 2 is a recommended course for college-bound students. Multiple representations are used as settings for work with number properties, graphs, expressions, equations, inequalities, rational expressions, functions, and trigonometry.

## Math Lab for Algebra 2

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- **Credit:** 1.0
- **Course Number(s):** 3057, 3058
- **Grade Levels:** 11, 12
- **Pre-Requisites:** By Teacher Recommendation Only
- **Pathway(s):** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** This course is designed for students who may need additional time to master algebraic concepts. Placement is made by teacher recommendation. This course counts as 1 elective credit.

## Honors Algebra 2

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*\*Weighted Course*

- **Credit:** 1.0
- **Course Number(s):** 3101, 3102
- **Grade Levels:** 10, 11
- **Pre-Requisites:** Geometry or Honors Geometry
- **Pathway(s):** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** This course is similar in scope to Algebra 2 content and will be greater in depth. Multiple representations integrated with geometric concepts,

and statistical applications will be used. Greater emphasis will be placed on applications and multi-step problems. Students enrolled in this course should have strong mathematical problem-solving skills.

## Transition to College Algebra

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- **Credit:** 0.5
- **Course Number(s):** 3103
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Algebra 2 or Honors Algebra 2
- **Pathway(s):** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** The goal of this course is to develop students' quantitative and algebraic reasoning abilities to prepare them for college success in multiple mathematics pathways. Mathematics topics include: numeracy with an emphasis on estimation and fluency with large numbers; manipulating and evaluating expressions and formulas, to include area, perimeter, and volume; rates, ratios, and proportions; percentages; linear equations and inequalities; linear systems; exponential, quadratic, rational, and square root models, including equations; data interpretations including graphs and tables; verbal, algebraic, and graphical interpretations of functions.

## Contemporary Math

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- **Credit:** 0.5
- **Course Number(s):** MA117 (In-Person at Newton High), 7645 (Online)
- 
- **Grade Levels:** 11, 12
- **Pre-Requisites:** 19+ Math Score on ACT, or 255+ Accuplacer NextGEN QRAS, or 3.0+ and at least C in HS Algebra 2
- **Pathway(s):** None
- **Course Fees:** Hutch CC Tuition & Textbook
- **Dual Credit Available:** Yes 3.0–Hutch CC Credits
- **Clubs:** None

**Description:** Development of critical thinking and quantitative reasoning skills useful in our contemporary

world. Topics will include financial applications, statistics, probability, estimation and the application of mathematics to understand major issues in society. Recommended for students majoring in Arts & Humanities, Applied Arts/Sciences, English, Ag & Natural Resources, Journalism, and Communications.

## College Algebra

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- **Credit:** 0.5
- **Course Number(s):** MA106 (In-Person at Newton High), 7631 (Online)
- **Grade Levels:** 11, 12
- **Pre-Requisites:** 3.25+ cumulative GPA and at least a B in HS Alg 2; AccuNextGen QRAS score of 263+, or ACT math score of 22+
- **Pathway(s):** None
- **Course Fees:** Hutch CC Tuition
- **Dual Credit Available:** Yes 3.0–Hutch CC Credits
- **Clubs:** None

**Description:** College Algebra is a dual credit course through Hutchinson Community College that covers the theory of equations, functions, inverse functions, complex numbers, determinants and matrices.

## Data Science

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- **Credit:** 1.0
- **Course Number(s):** 3203, 3204
- **Grade Levels:** 11, 12
- **Pre-Requisites:** None
- **Pathway(s):** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** This course introduces students to the main ideas in data science. Students will learn to be data explorers in project-based units, in which they will develop their understanding of data analysis, sampling, correlation/causation, bias and uncertainty, probability, modeling with data, making and evaluating data-based arguments, and the power of data in society.

## Mathematics (Cont)

### Elements of Statistics

- **Credit:** 0.5
- **Course Number(s):** MA108 (In-Person at Newton High), 7641 (Online)
- **Grade Levels:** 11, 12
- **Pre-Requisites:** HS GPA 3.0+, C- or higher in second semester of Algebra 2 or AccuplacerMath Score 255+, or ACT Math Score of 19+, or successful completion of MA106 or MA117
- **Pathway(s):** None
- **Course Fees:** Hutch CC Tuition
- **Dual Credit Available:** Yes 3.0–Hutch CC Credits
- **Clubs:** None

**Description:** Analysis of single variable and bivariable data; probability distribution; normal probability distributions; sampling distributions; statistical inference involving one and two populations; chi-square applications. Recommended for students majoring in Social Science, Allied Health, Public and Protective Services, and Library and Information Science.

### AP Statistics

*\*Weighted Course*

- **Credit:** 1.0
- **Course Number(s):** 32011, 32012
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Algebra 2 or Honors Algebra 2
- **Pathway(s):** None
- **Course Fees:** None
- **Dual Credit Available:** Possible through AP Exam (additional fee)
- **Clubs:** None

**Description:** This course will provide motivated students with an outstanding opportunity to excel academically. This is a project-based course in which students design surveys and experiments, gather data, analyze the data numerically and graphically, and apply inferential statistics to draw conclusions for a population. A graphics calculator is required: TI-84 Plus, TI-84 Silver Edition.

### AP Pre-Calculus

*\*Weighted Course*

- **Credit:** 1.0
- **Course Number(s):** 3143, 3144
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** Honors Algebra 2
- **Pathway(s):** None
- **Course Fees:** None
- **Dual Credit Available:** Possible through AP Exam (additional fee)
- **Clubs:** None

**Description:** AP Precalculus integrates statistical and algebraic concepts. Multiple representations are used as settings for work with number properties, graphs, equations, sequence, series, trigonometry, and functions. Modeling real-world data, mastering symbolic manipulation, and exploring mathematics that represents a dynamic world guide the focus of the course. This course is designed as a precursor to AP Calculus or other college level math courses.

### AP Calculus 1

*\*Weighted Course*

- **Credit:** 1.0
- **Course Number(s):** 3131, 3132
- **Grade Levels:** 11, 12
- **Pre-Requisites:** AP Pre-Calc
- **Pathway(s):** None
- **Course Fees:** None
- **Dual Credit Available:** Possible through AP Exam (additional fee)
- **Clubs:** None

**Description:** Topics studied include elementary functions, limits, differential calculus and integral calculus. Students will be eligible to take the Advanced Placement Calculus AB Exam for possible college credit. This full-year course will approximate the first semester calculus course at the college level. A graphics calculator is required: TI-84 Plus, TI-84 Silver Edition.

### AP Calculus 2

*\*Weighted Course*

- **Credit:** 1.0
- **Course Number(s):** 3133, 3134
- **Grade Levels:** 11, 12
- **Pre-Requisites:** AP Calc 1
- **Pathway(s):** None
- **Course Fees:** None
- **Dual Credit Available:** Possible through AP Exam (additional fee)
- **Clubs:** None

**Description:** Topics studied include elementary functions, limits, differential calculus and integral calculus. Students will be eligible to take the Advanced Placement Calculus AB Exam for possible college credit. This full-year course will approximate the first semester calculus course at the college level. A graphics calculator is required: TI-84 Plus, TI-84 Silver Edition.

# Science

| Course Number                   | Course Title                        | Course Level (Recommended)  |    |    |    | Criteria (Foundational, General, Honor) | Credit | Weighted | Prerequisite | College Credit | NCAA | Pathway | Graduation Requirement | Science | STEM | Elective |
|---------------------------------|-------------------------------------|-----------------------------|----|----|----|---|--------|----------|--------------|----------------|------|---------|------------------------|---------|------|----------|
|                                 |                                     | * Teacher Approval Required |    |    |    |   |        |          |              |                |      |         |                        |         |      |          |
|                                 |                                     | 9                           | 10 | 11 | 12 |   |        |          |              |                |      |         |                        |         |      |          |
| 3531-3532                       | Biology                             | x                           |    |    |    | G                                       | 1.0    |          |              |                |      |         | ✓                      |         |      |          |
| 3535-3536                       | Honors Biology                      | x                           |    |    |    | H                                       | 1.0    | ✓        | ✓            |                |      |         | ✓                      |         |      |          |
| 3523-3524                       | Life Science                        | x                           |    |    |    | F                                       | 1.0    |          | ✓            |                |      |         | ✓                      |         |      |          |
| 3541-3542                       | Chemistry 1                         |                             | x  | x  |    | G                                       | 1.0    |          | ✓            |                |      |         | ✓                      |         |      |          |
| 3551-3552                       | Honors Chemistry 1                  |                             | x  | x  | x  | H                                       | 1.0    | ✓        | ✓            |                |      |         | ✓                      |         |      |          |
| 3563-3564                       | AP Chemistry                        |                             |    | x  | x  | H                                       | 1.0    | ✓        | ✓            |                |      |         | ✓                      | ✓       |      |          |
| 3723-3724                       | Integrated Science 1                |                             | x  | x  | x  | F                                       | 1.0    |          |              |                |      |         | ✓                      |         |      |          |
| 3725-3726                       | Integrated Science 2                |                             | x  | x  | x  | F                                       | 1.0    |          | ✓            |                |      |         | ✓                      |         |      |          |
| 3743-3744                       | Human Body Systems                  |                             | x  | x  | x  | G                                       | 1.0    |          | ✓            |                |      |         | ✓                      | ✓       |      |          |
| 3601-3602                       | Anatomy & Physiology                |                             | x  | x  | x  | H                                       | 1.0    | ✓        | ✓            |                |      |         | ✓                      | ✓       |      |          |
| 8093-8094                       | Biotechnology in Medicine           |                             |    | x  | x  | G                                       | 1.0    |          | ✓            |                |      |         | ✓                      | ✓       |      |          |
| 3611-3612                       | AP Biology                          |                             |    | x  | x  | H                                       | 1.0    | ✓        | ✓            |                |      |         | ✓                      | ✓       |      |          |
| 3571-3572                       | Physics                             |                             |    | x  | x  | G                                       | 1.0    |          | ✓            |                |      |         | ✓                      | ✓       |      |          |
| 3581-3582                       | Honors Physics                      |                             |    | x  | x  | H                                       | 1.0    | ✓        | ✓            |                |      |         | ✓                      | ✓       |      |          |
| 3727-3728                       | Environmental Science               |                             |    | x  | x  | G                                       | 1.0    |          | ✓            |                |      |         | ✓                      |         |      |          |
| 80871-80872                     | Sports Medicine                     |                             |    | x  | x  | G                                       | 1.0    |          | ✓            |                |      |         |                        |         | ✓    |          |
| <b>Academy Specific Courses</b> |                                     |                             |    |    |    |   |        |          |              |                |      |         |                        |         |      |          |
| 3605-3606                       | Health Science Anatomy & Physiology |                             | x  | x  | x  | H                                       | 1.0    | ✓        | ✓            |                |      |         | ✓                      |         |      |          |

## Biology

- **Credit:** 1.0
- **Course Number(s):** 3531, 3532
- **Grade Levels:** 9
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** Biology is the study of living organisms. Topics include biochemistry, cell biology, genetics, population genetics, evolution, classification, and ecology. Laboratory experiments and various activities are used to cover topics.

## Honors Biology

*\*Weighted Course*

- **Credit:** 1.0
- **Course Number(s):** 3535, 3536
- **Grade Levels:** 9
- **Pre-Requisites:** Grade of A or B in previous science class or by teacher recommendation
- **Pathway:** None
- **Course Fees:** None

→ **Dual Credit Available:** No

→ **Clubs:** None

**Description:** Honors Biology takes a more in-depth look at the same topics covered in Biology (3531-3532). This course is designed to prepare students for college-level science. Conceptual development of key biological ideas and processes, as well as learning real-world laboratory investigative skills, are key components of this class. Students also practice scientific reading skills and apply mathematical computations to scientific phenomena. This course provides the relevant content background and skills for enrollment in AP Biology during the student's Senior year.

## Life Science

- **Credit:** 1.0
  - **Course Number(s):** 3523, 3524
  - **Grade Levels:** 9
  - **Pre-Requisites:** Teacher Recommendation
  - **Pathway:** None
  - **Course Fees:** None
  - **Dual Credit Available:** No
  - **Clubs:** None
- Description:** This is an essential skills course that focuses on the common core

curriculum in life science. Topics covered in the class include biochemistry, cell biology, genetics, population genetics/evolution, classification and ecology. Laboratory experiments and various activities are used to cover these topics.

## Chemistry 1

- **Credit:** 1.0
- **Course Number(s):** 3541, 3542
- **Grade Levels:** 10, 11
- **Pre-Requisites:** Biology 1
- **Pathway:** Health Science
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** Chemistry Club

**Description:** This course will emphasize building students' understanding of the fundamental structures and properties of matter. Students will develop core concepts of chemistry based on the periodic table, bonding, kinetic theory, and the nature of matter in solutions, and the mole concept. Concepts are reinforced by numerous laboratory experiments.

## SCIENCE (Cont)

### Honors Chemistry 1

*\*Weighted Course*

- **Credit:** 1.0
- **Course Number(s):** 3551, 3552
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** Grade of B or higher in Algebra I
- **Pathway:** Health Science
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** Chemistry Club

**Description:** This laboratory science course deals with the structure and composition of materials and the changes they undergo and is designed to provide an understanding of the properties and conditions that are involved in reactions. The foundation of chemistry is reinforced by the use of numerous laboratory experiments. Student effort and test scores will be emphasized.

### AP Chemistry

*\*Weighted Course*

- **Credit:** 1.0
- **Course Number(s):** 3563, 3564
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Honors Chemistry 1 and completion or concurrent enrollment in Algebra 2
- **Pathway(s):** None
- **Course Fees:** None
- **Dual Credit Available:** Possible through AP Exam (additional fee)
- **Clubs:** Chemistry Club

**Description:** The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore content such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year.

### Integrated Science 1

- **Credit:** 1.0
- **Course Number(s):** 3723, 3724
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** Integrated Science 1 is the first course of a two-course sequence to meet the science requirement for high school graduation. Integrated Science includes topics in physical science (physics and chemistry), earth and space science, and life science. Themes include systems, models, energy, patterns, change, and constancy. Scientific skills, techniques, processes, methods, and reasoning are practiced. Emphasis is placed on skills and knowledge that provide a good foundation for understanding our natural world.

### Integrated Science 2

- **Credit:** 1.0
- **Course Number(s):** 3725, 3726
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** Integrated Science 2 is the second course of a two-course sequence to meet the science requirement for high school graduation. Integrated Science includes topics in physical science (physics and chemistry), earth and space science, and life science. Themes include systems, models, energy, patterns, change, and constancy. Scientific skills, techniques, processes, methods, and reasoning are practiced. Emphasis is placed on skills and knowledge that provide a good foundation for understanding our natural world.

### Human Body Systems

- **Credit:** 1.0
- **Course Number(s):** 3743, 3744
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** Biology and Chemistry 1 (or concurrent enrollment)
- **Pathway:** Health Science
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** HOSA

**Description:** Students in this course study the technical names for many body structures and how the various systems in the body function. Homework is minimal. Lab activities including working with models and specimens take up the majority of class time. This course, which is open to anyone wanting to know more about the human body, provides a good foundation for students interested in pursuing careers in the various medical technologies or nontechnical nursing fields.

### Anatomy & Physiology

*\*Weighted Course*

- **Credit:** 1.0
- **Course Number(s):** 3601, 3602
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** Completed Honors Biology and Honors Chemistry; or Completed Human Body Systems with a B or higher.
- **Pathway:** Health Science
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** Anatomy and Physiology is a challenging course designed for students considering majoring in the more rigorous medical-related fields such as pre-Vet, pre-Med, pre-physical therapy, or pre-pharmacy. This course is recommended for students considering pursuit of an advanced degree in nursing or becoming a Physician's Assistant. Human structures and the function of those structures from the chemical to organism level will be emphasized. To succeed, students must commit a minimum of a half hour per day on their own time for homework and studying and work during Seminar or before school may be necessary. This course will count as an Academic Recognition Honors credit.

## SCIENCE (Cont)

### Biotechnology in Medicine

- **Credit:** 1.0
- **Course Number(s):** 8093, 8094
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Biology 1 and Chemistry 1
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** This 11th/12th grade course is an introduction to the field of biotechnology with an emphasis on medical technology and research. The course covers a variety of skills and techniques including microbiology, recombinant DNA technology, gel electrophoresis, ELISA, CRISPR, PCR, gene therapy, disease testing, and vaccine development. Students will also learn about related career fields as well as current medical technologies and applications.

### AP Biology

*\*Weighted Course*

- **Credit:** 1.0
- **Course Number(s):** 3611, 3612
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Honors Biology and Honors Chemistry 1
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** Possible through AP Exam (Additional Fee)
- **Clubs:** None

**Description:** The AP<sup>®</sup> Biology framework is a fundamental shift from a model that emphasized coverage of content to one that focuses on scientific process and inquiry. The new AP curriculum model employs overarching “Big Ideas” which are tied together by various science practices and essential concepts supported by relevant content. As a result, students who take AP Biology will develop advanced skills in the areas of scientific research design, data collection, data analysis, and application of mathematical models. Students who successfully complete AP Biology are eligible to take the AP Biology exam.

### Physics

- **Credit:** 1.0
- **Course Number(s):** 3571, 3572
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Algebra 2 (or concurrent enrollment)
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** Physics seeks to describe and predict natural events. This course will discuss the basics in fields of physics such as kinematics, dynamics, electricity, and waves (both sound and light). Students in physics will learn how to think critically, in a scientific manner, about the physical environment. Problem solving skills are emphasized. Units are based around themes that help relate physics to real life situations.

### Honors Physics

*\*Weighted Course*

- **Credit:** 1.0
- **Course Number(s):** 3581, 3582
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Grade of A or B in Honors Chemistry 1 and Honors Algebra 2. Students must receive instructor approval if concurrently enrolled in Honors Algebra 2.
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** None
- **Clubs:** None

**Description:** Physics seeks to describe and predict natural events. This course will discuss the basics in fields of physics such as kinematics, dynamics, electricity, and waves (both sound and light). Students in physics will learn how to think critically, in a scientific manner, about the physical environment. This course will cover all the topics taught in physics plus selected additional topics. Compared with regular physics, Honors Physics places a greater emphasis on the math involved in physics explanations. The expectation for student performance, individual student responsibility, and outside of class work will be greater than in the regular physics class. This course is designed to meet the needs of students who possess advanced math and science skills.

### Environmental Science

- **Credit:** 1.0
- **Course Number(s):** 3727, 3728
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Biology and Chemistry 1
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** Designed for Juniors and Seniors, Environmental Science covers a broad scope of topics including ecology, the biosphere, land, forests and soil, water, energy and resources, and societies and policy. Some of the goals of the course include: Understanding how systems in the natural world are interconnected; Examining the natural cycles of energy flow and evaluating how human interaction affects these cycles; Modeling real-world situations and recognizing possible consequences of specific actions; Defending the best choices to protect the environment with changing trends in human populations; Interpreting evidence and learning to report on environmental conditions and hazards.

### Sports Medicine

- **Credit:** 1.0
- **Course Number(s):** 80871, 80872
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Human Body Systems or Anatomy and Physiology (or concurrent enrollment in A&P)
- **Pathway:** Health Science
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** This class will expand on topics learned in Anatomy and Physiology including on how they connect to exercise, nutrition, drugs, injury, tissue healing, skeletomuscular system focusing on common injuries, rehabilitation and anatomy. Students will also learn different taping techniques including: Arch, Turf Toe, Ankle, Achilles, Wrist, Thumb, Elbow, and Shoulder Spica. This course is highly recommended for students interested in pursuing careers in athletic training physical therapy, sports medicine or chiropractic medicine. Sports medicine is an elective credit.

# Social Studies

| Course Number                   | Course Title                                     | Course Level (Recommended)  |    |    |    | Criteria (Foundational, General, Honor) | Credit | Weighted | Prerequisite | College Credit | NCAA | Pathway | Graduation Requirement | Social Studies | Elective |
|---------------------------------|--|-----------------------------|----|----|----|---|--------|----------|--------------|----------------|------|---------|------------------------|----------------|----------|
|                                 |  | * Teacher Approval Required |    |    |    |   |        |          |              |                |      |         |                        |                |          |
|                                 |  | 9                           | 10 | 11 | 12 |   |        |          |              |                |      |         |                        |                |          |
| 2033-2034                       | World History-1400 to Present                    |                             | x  |    |    | G                                       | 1.0    |          |              | ✓              |      |         | ✓                      |                |          |
| 20381-20382                     | Honors World History-1400 to Present             |                             | x  |    |    | H                                       | 1.0    | ✓        | ✓            |                |      |         | ✓                      |                |          |
| 2055-2056                       | Contemporary U.S. History                        |                             |    | x  |    | G                                       | 1.0    |          |              | ✓              |      |         | ✓                      |                |          |
| 2073-2074                       | AP United States History                         |                             |    | x  |    | H                                       | 1.0    | ✓        | ✓            |                |      |         | ✓                      |                |          |
| HI101, 7687                     | College American History 1865-Present (Hutch CC) |                             |    | x  | x  | G                                       | 0.5    |          | ✓            | ✓              |      |         | ✓                      |                |          |
| 21001                           | Psychology                                       |                             |    | x  | x  | G                                       | 0.5    |          |              | ✓              |      |         | ✓                      | ✓              |          |
| 21021                           | AP Psychology                                    |                             |    | x  | x  | H                                       | 0.5    | ✓        | ✓            |                |      |         | ✓                      | ✓              |          |
| PS101, 7623                     | College General Psychology (Hutch CC)            |                             |    | x  | x  | G                                       | 1.0    |          |              | ✓              |      |         | ✓                      | ✓              |          |
| 21101                           | Sociology  |                             |    | x  | x  | G                                       | 0.5    |          |              | ✓              |      |         | ✓                      | ✓              |          |
| 7624                            | Fundamentals of Sociology (Hutch CC)             |                             |    | x  | x  | G                                       | 0.5    |          |              | ✓              |      |         | ✓                      | ✓              |          |
| 21201                           | Economics  |                             |    | x  | x  | G                                       | 0.5    |          |              | ✓              |      |         | ✓                      | ✓              |          |
| 7621                            | College Macroeconomics                           |                             |    | x  | x  | G                                       | 0.5    |          |              | ✓              |      |         | ✓                      |                |          |
| 20801                           | American Government                              |                             |    |    | x  | G                                       | 0.5    |          |              | ✓              |      |         | ✓                      |                |          |
| 20811-20812                     | AP Government & Politics                         |                             |    |    | x  | H                                       | 1.0    | ✓        | ✓            |                |      |         | ✓                      |                |          |
| GO100, 7622                     | College American Government (Hutch CC)           |                             |    | x  | x  | G                                       | 0.5    |          |              | ✓              |      |         | ✓                      |                |          |
| 2001                            | World Geography                                  | x                           | x  |    |    | G                                       | 0.5    |          |              |                |      |         |                        | ✓              |          |
| 2180                            | Current Events                                   | x                           | x  | x  | x  | G                                       | 0.5    |          |              | ✓              |      |         |                        | ✓              |          |
| <b>Academy Specific Courses</b> |  |                             |    |    |    |   |        |          |              |                |      |         |                        |                |          |
| 2035-2036                       | Health Science World History-1400 to Present     |                             | x  |    |    | G                                       | 1.0    |          |              | ✓              |      |         | ✓                      |                |          |
| 2031-2032                       | Agriculture World History-1400 to Present        |                             | x  |    |    | G                                       | 1.0    |          |              | ✓              |      |         | ✓                      |                |          |
| 2057-2058                       | Agriculture Contemporary U.S. History            |                             |    | x  |    | G                                       | 1.0    |          |              | ✓              |      |         | ✓                      |                |          |
| 21103                           | Agriculture-Sociology                            |                             |    | x  | x  | G                                       | 0.5    |          |              | ✓              |      |         | ✓                      | ✓              |          |
| 20822                           | Agriculture-Government                           |                             |    |    | x  | G                                       | 0.5    |          |              | ✓              |      |         | ✓                      |                |          |

## World History–1400 to Present

- Credit: 1.0
- Course Number(s): 2033, 2034
- Grade Levels: 10
- Pre-Requisites: None
- Pathway: None
- Course Fees: None
- Dual Credit Available: No
- Clubs: None

**Description:** This class is required for 10th grade and covers the period of human history from 1400—approximately the European Renaissance—to the present. The student will concentrate on the economic, political, civic, geographic, and cultural factors or events that dominated and shaped countries in Asia, Europe, Africa and the Americas. Resources will include multi-media software, primary sources and secondary reference materials. Performance will be assessed through various methods: individual research activities, class projects, written assignments and exams.

## Honors World History–1400 to Present

*\*Weighted Course*

- Credit: 1.0
- Course Number(s): 20381, 20382
- Grade Levels: 10
- Pre-Requisites: Grade of C or higher in last honors level math and/or English class. Grade of A in last general math and/or English class. -Tier 1 Reader.
- Pathway: None
- Course Fees: None
- Dual Credit Available: No
- Clubs: None

**Description:** This course covers the economic, political, civic, geographic, and cultural factors of this time period in more depth and at a faster pace than World History 1400 to the Present course. More emphasis will be placed on primary source analysis and developing writing skills. This course is a good precursor to the Advanced Placement United States History course.

## Contemporary U.S. History

- Credit: 1.0
- Course Number(s): 2055, 2056
- Grade Levels: 11
- Pre-Requisites: None
- Pathway: None
- Course Fees: None
- Dual Credit Available: No
- Clubs: None

**Description:** This class is required for 11th grade. The course will describe the growth of the United States as a world power in the 20th century. The student will examine the events, ideas and personalities that drew the United States—already an economic giant—to assume political leadership in the modern world and how U.S. superpower status shaped its contemporary social and economic fabric. Resources will include multi-media software, primary sources, and secondary reference materials. Performance will be assessed through class projects, media reviews, written assignments and traditional exams.

## SOCIAL STUDIES (Cont)

### AP United States History

*\*Weighted Course*

- **Credit:** 1.0
- **Course Number(s):** 2073, 2074
- **Grade Levels:** 11
- **Pre-Requisites:** Grade of C or higher in last honors level math and/or English class - Grade of A in last general math and/or English class. -Tier 1 Reader
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** Possible through AP Exam (additional fee)
- **Clubs:** None

**Description:** This course is designed for students who want the challenge of an integrated college level US History course. Students are introduced to historiography, authors and methods of US History. Extensive use is made of both primary and secondary source materials with an objective of developing each student's interpretive and analytical skills. An extensive amount of outside reading and writing is required. Students may elect to take a College Board AP History exam at the conclusion of their senior year.

### College American History 1865-Present

- **Credit:** 0.5
- **Course Number(s):** HI101 (In-Person at Newton High), 7687 (Online)
- **Grade Levels:** 11, 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** Hutch CC Tuition
- **Dual Credit Available:** Yes 3.0–Hutch CC Credits
- **Clubs:** None

**Description:** Economic, political, social and intellectual development of the United States to the end of the Civil War with emphasis on development and decline of slavery, political parties, Indian policy, international relations and individuals responsible for the policies.

### Psychology

- **Credit:** 0.5
- **Course Number(s):** 21001
- **Grade Levels:** 11, 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** This course will survey the scientific principles of mental processes and human behavior. Areas of study will include neuroscience, human development, social psychology, sensation, perception, learning, memory, thinking, stress, and psychological disorders. In addition, the student will review the historical development of psychology and the fundamentals of research.

### AP Psychology

*\*Weighted Course*

- **Credit:** 0.5
- **Course Number(s):** 21021
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Grade of C or higher in last honors level math and/or English class.-Grade of A in last general math and/or English class. -Tier 1 Reader
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** Possible through AP Exam (additional fee)
- **Clubs:** None

**Description:** This course introduces students to the systematic and scientific study of behavior and mental processes of human beings and animals. Students are exposed to the psychological facts, principles, and phenomena associated with the major subfields within psychology. They also learn about the methods psychologists use in their science and practice. This course follows the College Board curriculum for AP Psychology closely and assessments and projects are designed to prepare students to take the AP exam in May. (Students may speak with the instructor regarding another possible way of earning college credit through this course and Hutch CC).

### College General Psychology

- **Credit:** 0.5
- **Course Number(s):** PS100 (In-Person at Newton High), 7623 (Online)
- **Grade Levels:** 11, 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** Hutch CC Tuition
- **Dual Credit Available:** Yes 3.0–Hutch CC Credits
- **Clubs:** None

**Description:** A survey of the fundamental principles of behavior including physiological, perceptual, historical, methodological, learning, memory, development, motivational, emotional, social and applied perspectives.

### Sociology

- **Credit:** 0.5
- **Course Number(s):** 21101
- **Grade Levels:** 11, 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** In this course students will study the concepts of socialization, social interaction, social organization, cultural and social change, social institutions and social problems. In short, while psychology is the study of the individual, sociology is the study of society and all it involves. Evaluations consist of objective and/or subjective exams, critical thinking through civil discourse and writing, as well as interviews with staff, students, and more.

## SOCIAL STUDIES (Cont)

### Fundamentals of Sociology

- **Credit:** 0.5
- **Course Number(s):** 7624 (Online)
- **Grade Levels:** 11, 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** Hutch CC Tuition
- **Dual Credit Available:** Yes 3.0–Hutch CC Credits
- **Clubs:** None

**Description:** Development and interaction of the individual in society with consideration of the culture, structures, functions of societies, social groups and institutions with emphasis on social interaction and its relation to personality and human action.

### Economics

- **Credit:** 0.5
- **Course Number(s):** 21201
- **Grade Levels:** 11, 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** Economics is a social science concerned with the problems of using and administering scarce resources, in order to attain the greatest or maximum fulfillment of society's unlimited wants. Economics is concerned with "doing the best with what we have." Students will investigate: a) economics history and background; b) economic science; c) the study of the macro system of economic growth; d) the market mechanism, or microeconomics; e) international economics.

### College Macroeconomics

- **Credit:** 0.5
- **Course Number(s):** 7621 (Online)
- **Grade Levels:** 11, 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** Hutch CC Tuition
- **Dual Credit Available:** Yes 3.0–Hutch CC Credits
- **Clubs:** None

**Description:** Fundamental macroeconomic ideas including incentives, opportunity cost, supply and demand, macroeconomic indicators, aggregate economy, and fiscal and monetary policies.

### American Government

- **Credit:** 0.5
- **Course Number(s):** 20801
- **Grade Levels:** 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** This class is required for graduation. It covers the development of government from the pre-Greek period to modern governments. The major emphasis is on the American governmental system. Students have the opportunity to complete individual projects. Exams are both objective and subjective.

### AP Government & Politics

*\*Weighted Course*

- **Credit:** 1.0
- **Course Number(s):** 20811, 20812
- **Grade Levels:** 12
- **Pre-Requisites:** Grade of B or higher in last honors level math and/or English class.-Grade of A in last general math and/or English class. -Tier 1
- **ReaderPathway:** None
- **Course Fees:** None
- **Dual Credit Available:** Possible through AP Exam (additional fee)
- **Clubs:** None

**Description:** This is an Advanced Placement course that meets rigorous College Board standards. The AP United States Government and Politics course will give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also emphasizes the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics.

## SOCIAL STUDIES (Cont)

### College American Government

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- **Credit:** 0.5
- **Course Number(s):** GO100 (In-Person at Newton High) or 7622 (Online)
- **Grade Levels:** 11, 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** Hutch CC Tuition
- **Dual Credit Available:** Yes 3.0–Hutch CC Credits
- **Clubs:** None

**Description:** Even though the American government touches every aspect of Americans' lives, few students understand how American government and politics work or how citizens can engage their own political system. Explore the creation and development of the American political system, the Constitution, civil liberties, and civil rights; the nature of American politics and political participation, including political parties, elections, interest groups, and media; the structure of political institutions, namely Congress, the presidency, and the judiciary; and the development of public policy. Throughout the course, learn about your own political identity, observe how government actually works, and have important civic conversations.

### World Geography

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- **Credit:** 0.5
- **Course Number(s):** 2001
- **Grade Levels:** 9, 10
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** Students will examine the relationships among people, places, and environments that result in patterns on the Earth's surface. Students will use the tools and methods of geography to study the principal regions of the world. In addition, students will also describe the influence of geography on events of the past and present, analyze how location impacts economic activities in different economic systems throughout the world, compare how components of culture shape the characteristics of regions, and analyze the impact of technology and human modifications on the physical environment. For elective credit.

### Current Events

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- **Credit:** 0.5
- **Course Number(s):** 2180
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** Students will examine noteworthy political, social, and economic topics of current interest. The political and historical backgrounds of many of the issues will be researched and analyzed in more detail. There will be no textbook but course material will be drawn from newspapers, news magazines, the electronic media, scholarly publications and the Internet. Course work will entail an additional amount of reading and writing. For elective credit.

# Fine Arts

| Course Number          | Course Title                           | Course Level (Recommended)  |    |    |    | Criteria (Foundational, General, Honor) | Credit | Weighted | Prerequisite | College Credit | NCAA | Pathway | Graduation Requirement |          |                |
|------------------------|--|-----------------------------|----|----|----|---|--------|----------|--------------|----------------|------|---------|------------------------|----------|----------------|
|                        |  | * Teacher Approval Required |    |    |    |   |        |          |              |                |      |         | Fine Arts              | Elective | Communications |
|                        |  | 9                           | 10 | 11 | 12 |   |        |          |              |                |      |         |                        |          |                |
| <b>Visual Arts</b>     |  |                             |    |    |    |   |        |          |              |                |      |         |                        |          |                |
| 4171                   | Ceramics 1                             | x                           | x  | x  | x  | G                                       | 0.5    |          |              |                |      |         | ✓                      | ✓        |                |
| 4181-4182              | Ceramics 2                             |                             | x  | x  | x  | G                                       | 1.0    | ✓        |              |                |      |         | ✓                      | ✓        |                |
| 4183-4184              | Ceramics 3                             |                             |    | x  | x  | G                                       | 1.0    | ✓        |              |                |      |         | ✓                      | ✓        |                |
| 41411                  | Graphic Design 1                       |                             | x  | x  | x  | G                                       | 1.0    |          |              |                |      |         | ✓                      | ✓        |                |
| 41511-41512            | Graphic Design 2                       |                             | x  | x  | x  | G                                       | 1.0    | ✓        |              |                |      |         | ✓                      | ✓        |                |
| 4121                   | Painting and Drawing 1                 | x                           | x  | x  | x  | G                                       | 0.5    |          |              |                |      |         | ✓                      | ✓        |                |
| 4131-4132              | Painting and Drawing 2                 |                             | x  | x  | x  | G                                       | 1.0    | ✓        |              |                |      |         | ✓                      | ✓        |                |
| 4143-4144              | Painting and Drawing 3                 |                             |    | x  | x  | G                                       | 1.0    | ✓        |              |                |      |         | ✓                      | ✓        |                |
| 4197-4198              | AP Studio Art                          |                             |    | x  | x  | H                                       | 1.0    | ✓        | ✓            |                |      |         | ✓                      | ✓        |                |
| <b>Performing Arts</b> |  |                             |    |    |    |   |        |          |              |                |      |         |                        |          |                |
| 4501-4502              | Band                                   | x                           | x  | x  | x  | G                                       | 1.0    |          | ✓            |                |      |         | ✓                      | ✓        |                |
| 4521-4522              | Jazz Ensemble 1                        | x                           | x  | x  | x  | G                                       | 1.0    |          | ✓            |                |      |         | ✓                      | ✓        |                |
| 4531-4532              | Jazz Ensemble 2                        | x                           | x  | x  | x  | G                                       | 1.0    |          | ✓            |                |      |         | ✓                      | ✓        |                |
| 4431-4432              | Choraleers                             | x                           | x  | x  | x  | G                                       | 1.0    |          | ✓            |                |      |         | ✓                      | ✓        |                |
| 4411-4412              | Concert Choir                          | x                           | x  | x  | x  | G                                       | 1.0    |          | ✓            |                |      |         | ✓                      | ✓        |                |
| 4423-4424              | Les Chantes                            | x                           | x  | x  | x  | G                                       | 1.0    |          | ✓            |                |      |         | ✓                      | ✓        |                |
| 4441-4442              | Railaires                              | x                           | x  | x  | x  | G                                       | 1.0    |          | ✓            |                |      |         | ✓                      | ✓        |                |
| 42005                  | Drama 1                                | x                           | x  | x  | x  | G                                       | 0.5    |          |              |                |      |         | ✓                      | ✓        |                |
| 42007                  | Drama 2                                | x                           | x  | x  | x  | G                                       | 0.5    |          | ✓            |                |      |         | ✓                      | ✓        |                |
| 4213-4214              | Drama 3                                |                             | x  | x  | x  | G                                       | 1.0    |          | ✓            |                |      |         | ✓                      | ✓        |                |
| 4215-4216              | Drama 4                                |                             | x  | x  | x  | G                                       | 1.0    |          | ✓            |                |      |         | ✓                      | ✓        |                |
| 4205-4206              | Tech Theatre                           |                             | x  | x  | x  | G                                       | 1.0    |          | ✓            |                |      |         | ✓                      | ✓        |                |
| 4453                   | Music Appreciation (Hutch CC)          |                             | x  | x  | x  | G                                       | 0.5    |          |              | ✓              |      |         | ✓                      | ✓        |                |
| 4428                   | Music Theory                           |                             | x  | x  | x  | G                                       | 1.0    |          | ✓            |                |      |         | ✓                      | ✓        |                |
| 4517                   | Beginning Guitar                       | x                           | x  | x  | x  | G                                       | 0.5    |          |              |                |      |         | ✓                      | ✓        |                |
| 4518                   | Intermediate Guitar                    |                             | x  | x  | x  | G                                       | 0.5    |          | ✓            |                |      |         | ✓                      | ✓        |                |
| 4513-4514              | String Orchestra                       | x                           | x  | x  | x  | G                                       | 1.0    |          | ✓            |                |      |         | ✓                      | ✓        |                |
| 4511-4512              | Chamber Orchestra                      | x*                          | x  | x  | x  | G                                       | 1.0    |          | ✓            |                |      |         | ✓                      | ✓        |                |
| <b>Communications</b>  |  |                             |    |    |    |   |        |          |              |                |      |         |                        |          |                |
| 13202                  | Forensics                              | x                           | x  | x  | x  | G                                       | 0.5    |          |              |                |      | ✓       | ✓                      | ✓        | ✓              |
| 13001                  | Novice Debate                          | x                           | x  | x  | x  | G                                       | 0.5    |          |              |                |      | ✓       | ✓                      | ✓        | ✓              |
| 1312                   | Spring Debate                          | x                           | x  | x  | x  | G                                       | 0.5    |          |              |                |      |         | ✓                      | ✓        | ✓              |
| 13101                  | Experienced Debate                     |                             | x  | x  | x  | G                                       | 0.5    | ✓        |              |                |      | ✓       | ✓                      | ✓        | ✓              |
| 10251                  | Speech                                 | x                           | x  | x  | x  | G                                       | 0.5    |          |              |                |      | ✓       | ✓                      | ✓        | ✓              |
| SH210                  | Interpersonal Communication (Hutch CC) |                             |    | x  | x  | G                                       | 0.5    |          |              | ✓              |      |         | ✓                      | ✓        | ✓              |
| SH101, 7614            | Public Speaking (Hutch CC)             |                             |    | x  | x  | G                                       | 0.5    |          |              | ✓              | ✓    |         | ✓                      | ✓        | ✓              |

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## Visual Arts

### Ceramics 1

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- **Credit:** 0.5
- **Course Number(s):** 4171
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** Art Club

**Description:** This class will be an introduction to ceramics. Topics covered will include hand building, firing processes, glazing, and presenting finished works. Sketchbook is required.

### Ceramics 2

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- **Credit:** 1.0
- **Course Number(s):** 4181, 4182
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** Ceramics 1
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** Art Club

**Description:** This course is a continuation of ceramics. Topics covered will include advanced hand building, wheel throwing introduction, firing processes, glazing, and presenting finished works. This course is for students who want to continue to develop strengths and improve weaknesses in ceramic work. Sketchbook is required.

### Ceramics 3

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- **Credit:** 1.0
- **Course Number(s):** 4183, 4184
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Ceramics 2
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** Art Club

**Description:** This course is a continuation of ceramics. Topics covered will include advanced hand building, wheel throwing introduction, firing processes, glazing, and presenting finished works. This course is for students who want

to continue to develop strengths and improve weaknesses in ceramic work. Sketchbook is required.

### Graphic Design 1

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- **Credit:** 0.5
- **Course Number(s):** 41411
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** Painting & Drawing 1
- **Pathway:** Media Design and Communications
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** Art Club

**Description:** This course provides a basic understanding of the graphic design process, and is for the design-oriented student. Topics include analyzing the design elements and principles, exploring industry tools, software and equipment and learning composition techniques to develop a quality product. The use of the computer as an art tool will be introduced.

### Graphic Design 2

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- **Credit:** 1.0
- **Course Number(s):** 41511, 41512
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** Graphic Design 1
- **Pathway:** Media Design and Communications
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** Art Club

**Description:** A class for the advanced graphics design student. There will be further exploration in typography and graphic design. Focus will be towards a career as a graphics designer.

### Painting & Drawing 1

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- **Credit:** 0.5
- **Course Number(s):** 4121
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** Art Club

**Description:** This is a semester-long hands-on art course designed to familiarize students with traditional and contemporary 2-dimensional art

techniques. Students will use mediums of painting and drawing for this class. Students must bring art supplies.

### Painting & Drawing 2

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- **Credit:** 1.0
- **Course Number(s):** 4131, 4132
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** Painting & Drawing 1
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** Art Club

**Description:** This is a year-long hands-on art course designed to challenge students with traditional and contemporary 2-dimensional art techniques. Students will use more advanced mediums of painting and drawing for this class. Art history will be a part of the class. Students must bring art supplies.

### Painting & Drawing 3

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- **Credit:** 1.0
- **Course Number(s):** 4143, 4144
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Painting & Drawing 2
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** Art Club

**Description:** This is a year-long hands-on art course designed to challenge students to use traditional and contemporary 2-dimensional art techniques independently. Students will use more advanced mediums of painting and drawing for this class. Art history will be a part of the class. Students must bring art supplies.

### AP Studio Art

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*\*Weighted Course*

- **Credit:** 1.0
- **Course Number(s):** 4197, 4198
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Painting and Drawing 2, Ceramics 2, Graphic Design 2, or teacher permission
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** Possible through AP Exam (additional fee)
- **Clubs:** Art Club

## FINE ARTS (Cont)

**Description:** This course focuses on in-depth individual work, the creation of a two part portfolio and offers the possibility of college credit for those students who successfully complete all AP Art requirements including the exam fee. AP testing is not required. Students enrolled in this class usually have some work already completed for their portfolio which consists of at least 14 best examples of their art. May be repeated for credit.

### Performing Arts

#### Band

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- **Credit:** 1.0
- **Course Number(s):** 4501, 4502
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** Permission of instructor. Students generally have two or more years of band experience before enrolling in this course
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** This class functions as a marching unit in the fall of the year, performing at football games and select festivals. Following football season, the band divides into a symphonic concert band and a symphonic wind ensemble. These groups prepare and perform selections from the concert band repertoire. In addition to several home concerts, these bands participate in clinics and festivals outside the Newton community. Various groups, including ensembles, pep band and orchestra winds, are selected from the band enrollment. All wind and percussion players electing instrumental music must enroll in band.

#### Jazz Ensemble 1

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- **Credit:** 1.0
- **Course Number(s):** 4521, 4522
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** Must be enrolled in Band or Orchestra and complete an audition. Students generally have two or more years of band/orchestra experience before enrolling in this course.

- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** Students in the course prepare and perform music from the jazz and big band repertoire. In addition to appearances at home in concerts and assemblies, the jazz ensemble participates in clinics and festivals outside the Newton community.

#### Jazz Ensemble 2

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- **Credit:** 1.0
- **Course Number(s):** 4531, 4532
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** Must be enrolled in Band or Orchestra and complete an audition. Students generally have two or more years of band/orchestra experience.
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** Students in the course study and perform music from the jazz and big band repertoire. This group performs at home concerts and at select festivals outside Newton community.

#### Choraleers

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- **Credit:** 1.0
- **Course Number(s):** 4431, 4432
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** Auditioned Ensemble
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** Tri-M

**Description:** This is a mixed chorus chosen by audition. The Choraleers prepare and perform selections from the standard mixed chorus repertoire. In addition to the regular series of performances in the school, the Choraleers make appearances at special holiday services, music festivals and conventions, both in and outside of the Newton area.

#### Concert Choir

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- **Credit:** 1.0
- **Course Number(s):** 4411, 4412

- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** Tri-M

**Description:** This choir is open to anyone in grades 9-12. This will be a non-auditioned mixed choir. There will be 2 performances a year. Music from a wide variety of literature will be learned and performed, as well as learning basic music theory and history.

#### Les Chantes

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- **Credit:** 1.0
- **Course Number(s):** 4423, 4424
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** Auditioned Ensemble
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** Tri-M

**Description:** This choir is made up of treble voices for grades 9-12. This choir is an auditioned ensemble made of treble voices. Les Chantes performs at concerts, programs, and music festivals. Students will perform a varied repertoire as well as concentrate on sight-reading skills, music theory skills, and music history.

#### Railaires

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- **Credit:** 1.0
- **Course Number(s):** 4441, 4442
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** Auditioned Ensemble
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** Tri-M

**Description:** This is a select mixed ensemble chosen from the Choraleers. This group will study and perform advanced selections from the madrigal and chamber choir repertoire in addition to jazz, pop, and show choir material. The Railaires perform each year through concerts, club programs, clinics, and festivals.

## FINE ARTS (Cont)

### Drama 1

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- **Credit:** 0.5
- **Course Number(s):** 42005
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** Drama Club

**Description:** Drama 1 provides students an opportunity to explore the art and craft of theatre. Beginning drama students will study communications, basic acting, play production, technical theatre, and theatre history. For their final task, students will focus on either performance or technical theatre to create their own project. PERFORMANCE and PUBLIC SPEAKING is REQUIRED for this class.

### Drama 2

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- **Credit:** 0.5
- **Course Number(s):** 42007
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** Drama 1
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** Drama Club

**Description:** Drama 2 is the companion class to Drama 1. A continuation of the exploration of theatre, Drama II students will build on skills learned in Drama 1 and focus on improvisational acting, ensemble acting, theatre history, and how to put on a production. We will also research how theatre can be used to improve the world via current events, therapy, and service. As a final project, students will complete a class production as a service project to help the local community. PERFORMANCE is REQUIRED for this class.

### Drama 3

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- **Credit:** 1.0
- **Course Number(s):** 4213, 4214
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** Drama 2
- **Pathway:** None
- **Course Fees:** None

→ **Dual Credit Available:** No

→ **Clubs:** Drama Club

**Description:** This is a very performance-heavy class. For the first semester, students will focus on theatre history and movements, which includes various acting methods, script analysis, character development, and theatrical techniques and components. Second semester becomes a project semester where students put their skills into practice. The class will work together to create a production which will consist of multiple One-Act Plays or a class production of one full-length play. Some may even choose to produce a play written by a classmate. All students will work together to create the technical aspects for a production. The students will be directing, managing, building group and team skills, and learning advanced performance technique. PERFORMANCE is REQUIRED for this class.

### Drama 4

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- **Credit:** 1.0
- **Course Number(s):** 4215, 4216
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** Drama 2
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** Drama Club

**Description:** This is a very performance-heavy class. For the first semester, students will focus on theatre history and movements, which includes various acting methods, script analysis, character development, and theatrical techniques and components. Second semester becomes a project semester where students put their skills into practice. The class will work together to create a production which will consist of multiple One-Act Plays or a class production of one full-length play. Some may even choose to produce a play written by a classmate. All students will work together to create the technical aspects for a production. The students will be directing, managing, building group and team skills, and learning advanced performance technique. PERFORMANCE is REQUIRED for this class.

## Tech Theatre

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- **Credit:** 1.0
- **Course Number(s):** 4205, 4206
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** Drama 1
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** Drama Club

**Description:** This is a "lab" class. Students will spend time working in the auditorium on all technical areas of school productions and theatre maintenance. Students will build leadership skills, team skills, and problem-solving skills. Tech theatre students will have the opportunity to design for school productions. Students in this class will also be required to participate on crew for all school productions. May be taken multiple times.

## Music Appreciation

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- **Credit:** 0.5
- **Course Number(s):** 4453
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** Drama 1
- **Pathway:** None
- **Course Fees:** Hutch CC Tuition
- **Dual Credit Available:** Yes 3.0–Hutch CC Credits
- **Clubs:** Tri-M

**Description:** Dual Credit Course with Hutchinson Community College. Students will learn how to listen and analyze music. Students will learn about the different musical time periods and major composers. Students will also learn basic music vocabulary.

## Music Theory

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- **Credit:** 0.5
- **Course Number(s):** 4428
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** Students must be in a performing ensemble to enroll in music theory
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** Tri-M

**Description:** Students will learn chord structure, scales, analysis, sight-

## FINE ARTS (Cont)

singing, music notation, conducting, and composition. This class is geared toward college-bound music students to prepare them for College Music Theory courses. Students who are interested in majoring or minoring in music are strongly encouraged to take this class to ensure success in their college music programs. This is a non-performing class.

### Beginning Guitar

- **Credit:** 0.5
- **Course Number(s):** 4517
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** Tri-M

**Description:** This class is geared towards someone who has little to no experience playing guitar. Students will learn chords, note reading, rhythm reading, strumming patterns, TAB reading, solo playing and guitar ensemble experience. Students will participate in a culminating concert at the end of the semester. Students will also need to provide their own guitar and purchase a guitar book.

### Intermediate Guitar

- **Credit:** 0.5
- **Course Number(s):** 4518
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** Beginning Guitar
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** Tri-M

**Description:** Intermediate Guitar is a class for students that have completed Beginning Guitar or can show the instructor that they have enough previous knowledge to be successful in Intermediate Guitar. Students will continue to learn more advanced techniques, styles, chords, and work on note reading skills in a guitar ensemble. Students will have the opportunity to learn bass guitar as part of the guitar ensemble.

## String Orchestra

- **Credit:** 1.0
- **Course Number(s):** 4513, 4514
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** Previous orchestral experience or instructor approval
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** Tri-M

**Description:** The study of music is an important part of a well-rounded educational experience. Orchestra students will engage in a practical study of the subject, honing their talents as string players and musical thinkers to develop meaningful programs for public performance. Wind and percussion players may be chosen from the band to perform with the string players, making a full orchestra. The orchestra performs 6 to 8 concerts per year and participates in clinics and festivals outside the Newton area.

## Chamber Orchestra

- **Credit:** 1.0
- **Course Number(s):** 4511, 4512
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** Audition
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** Tri-M

**Description:** The study of music is an important part of a well-rounded educational experience. Orchestra students will engage in a practical study of the subject, honing their talents as string players and musical thinkers to develop meaningful programs for public performance. This advanced course demands a higher level of commitment and studies more technical literature than does String Orchestra. Wind and percussion players may be chosen from the band to perform with the string players, making a full orchestra. The orchestra performs 6 to 8 concerts per year and participates in clinics and festivals outside the Newton area.

## Communications

### Forensics

*\*Communications OR Fine Arts Credit*

- **Credit:** 0.5
- **Course Number(s):** 13202
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No

→ **Clubs:** National Speech and Debate Association

**Description:** This is an advanced speech class offering the student an opportunity to specialize in one of the following fields: oratory, extempore, informative speech, oral interpretation of prose and poetry, and duet acting. Students must participate in extra-curricular forensic competitions throughout the semester. This class may be repeated for a total of two credits. Students are required to participate in competitions.

### Novice Debate

*\*Communications OR Fine Arts Credit*

- **Credit:** 0.5
- **Course Number(s):** 13001
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No

→ **Clubs:** National Speech and Debate Association

**Description:** This course provides an introduction to the theories and practices of competitive policy debate. The course involves public speaking, reading aloud, argumentation, research and analysis of the current debate topic. Strong problem-solving skills and advanced reading skills are required. Students must assist with hosting the NHS Railroader Debate Tournament. Individual participation in after school and weekend debate tournaments is required. Students must be self-motivated and work well with others. This course fulfills the required communications credit.

## FINE ARTS (Cont)

### Novice Debate

*\*Communications OR Fine Arts Credit*

- **Credit:** 0.5
- **Course Number(s):** 13001
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** National Speech and Debate Association

**Description:** This course provides an introduction to the theories and practices of competitive policy debate. The course involves public speaking, reading aloud, argumentation, research and analysis of the current debate topic. Strong problem-solving skills and advanced reading skills are required. Students must assist with hosting the NHS Railroader Debate Tournament. Individual participation in after school and weekend debate tournaments is required. Students must be self-motivated and work well with others. This course fulfills the required communications credit.

### Spring Debate

*\*Communications OR Fine Arts Credit*

- **Credit:** 0.5
- **Course Number(s):** 1312
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** National Speech and Debate Association

**Description:** This class is for students who wish to compete in Spring/Forensics debate related activities and those waiting to research the new Cross Examination (CX) topic. Students will be required to attend out of school contests and work sessions. Competitions include the Lincoln/Douglas debate, Controversy or Cross-Fire debate, Student Congress, or Legislative debate, Foreign and Domestic Extemporaneous, as well

as Original Oration and Informative Speaking. Research is required for topics.

### Experienced Debate

*\*Communications OR Fine Arts Credit*

- **Credit:** 0.5
- **Course Number(s):** 13101
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** Novice Debate
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** National Speech and Debate Association

**Description:** This course provides experienced debaters with in-depth research, analysis and argumentation opportunities. Regular competition at extra-curricular tournaments is required and students must assist with hosting the NHS Railroader Debate Tournament. After school preparation and weekends are required. This class fulfills the required communications credit.

### Speech

*\*Communications Credit*

- **Credit:** 0.5
- **Course Number(s):** 10251
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** This course provides an overall view of oral communication. Speeches include informative, persuasive and autobiographical types. Non-verbal communication and various outline formats are studied. This is the primary class to fulfill the required communications credit.

## Interpersonal Communication

*\*Communications Credit*

- **Credit:** 0.5
- **Course Number(s):** SH210
- **Grade Levels:** 11, 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** Hutch CC Tuition
- **Dual Credit Available:** Yes—3.0 Hutch CC Credits
- **Clubs:** Debate & Forensics

**Description:** This course involves the study of communication in human relationships with emphasis on the patterns and processes of face-to-face communication. The study of interpersonal communication is important for anyone who wants to learn better methods of building meaningful relationships with a spouse, colleague, supervisor, or friend. The course stresses how to become a more effective and competent communicator by its analysis of personal communication goals, communication barriers, relational breakdowns, and conflict scenarios. Features include structural experiences, readings from special studies, group interaction, and personal feedback exercises. Written and oral presentations are fundamental to the course objectives.

### Public Speaking (Hutch CC)

*\*Communications Credit*

- **Credit:** 0.5
- **Course Number(s):** SH101 (In-Person at Newton High), 7614 (Online)
- **Grade Levels:** 11, 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** Hutch CC Tuition
- **Dual Credit Available:** Yes - 3.0 Hutch CC Credits
- **Clubs:** None

**Description:** Principles and practices of oral communication that will help the student develop skills in communication and acquire an understanding of oral communication as a vital human skill and activity.

# Physical Education

| Course Number | Course Title                 | Course Level (Recommended)  |    |    |    | Criteria (Foundational, General, Honor) | Credit  | Weighted | Prerequisite | College Credit | NCAA | Pathway | Graduation Requirement | Phys Ed | Elective |
|---------------|------------------------------|-----------------------------|----|----|----|---|---------|----------|--------------|----------------|------|---------|------------------------|---------|----------|
|               |                              | * Teacher Approval Required |    |    |    |   |         |          |              |                |      |         |                        |         |          |
|               |                              | 9                           | 10 | 11 | 12 |   |         |          |              |                |      |         |                        |         |          |
| 60001         | PE I-Fitness                 | x                           |    |    |    | G                                       | 0.5     |          |              |                |      |         | ✓                      |         |          |
| 60101         | PE I-Health                  | x                           |    |    |    | G                                       | 0.5     |          |              |                |      |         | ✓                      |         |          |
| 6051-6052     | Strength & Conditioning-0 Hr | x*                          | x* | x* | x* | G                                       | 0.5-1.0 |          | ✓            |                |      |         |                        | ✓       |          |
| 6055-6056     | Strength & Conditioning      | x                           | x  | x  | x  | G                                       | 0.5-1.0 |          |              |                |      |         |                        | ✓       |          |
| 60705         | Individual Sports            |                             | x  | x  | x  | G                                       | 0.5     |          | ✓            |                |      |         |                        | ✓       |          |
| 60703         | Team Sports                  |                             | x  | x  | x  | G                                       | 0.5     |          | ✓            |                |      |         |                        | ✓       |          |
| 60707         | Advanced PE                  |                             |    | x  | x  | G                                       | 0.5     |          | ✓            |                |      |         |                        | ✓       |          |
| 60709         | Team Sport Officiating       |                             | x  | x  | x  | G                                       | 0.1     |          | ✓            |                |      |         |                        | ✓       |          |

## PE 1 - Fitness

*\*Graduation Requirement*

- **Credit:** 0.5
- **Course Number(s):** 60001
- **Grade Levels:** 9
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** This section of PE 1 includes two classroom units of instruction on nutrition and safety. Students will also participate in fitness activities such as volleyball, swimming, orienteering, and an orientation unit introducing the concepts of our program.

## PE 1 - Health

*\*Graduation Requirement*

- **Credit:** 0.5
- **Course Number(s):** 60101
- **Grade Levels:** 9
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** This section includes two classroom units of instruction on stress management and reducing the risk of pregnancy, HIV and STD's. Parents may opt out their students from the critical health unit. Students will also participate in fitness activities such as golf, strength and conditioning, a striking unit, and a fitness walking/jogging program.

## Strength & Conditioning-0-Hour

- **Credit:** 0.5
- **Course Number(s):** 6051, 6052
- **Grade Levels:** Teacher Approval
- **Pre-Requisites:** Experience & Teacher Approval
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No

**Description:** This course is for the student concentrating on muscular flexibility, strength, and endurance. This will include using weight equipment with lifts for both upper and lower body. Zero-hour classes have the same attendance requirements as do all other classes. Requests will be reviewed by instructors and students not accepted into 0 hour will be added to a weights class within the 8-hour schedule.

## Strength & Conditioning

- **Credit:** 0.5
- **Course Number(s):** 6055, 6056
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** Powerlifting Club

**Description:** This course is for the student interested in developing muscular flexibility, strength, and endurance. This will include using weight equipment with lifts for both upper and lower body. All students involved in athletics are encouraged to take this course. May be repeated for credit.

## Individual Sports

- **Credit:** 0.5
- **Course Number(s):** 60705
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** PE 1 Fitness/Health
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** Individual Sports will explore a broad range of sports including badminton, tennis, bowling, swimming, frisbee golf, and many more. May NOT be repeated for credit.

## PHYSICAL EDUCATION (cont)

### Team Sports

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- **Credit:** 0.5
- **Course Number(s):** 60703
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** PE 1 Fitness/Health
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** Team Sports will explore a broad range of sports including volleyball, basketball, team handball, colony ball, dodgeball, h-ball, hoop ball, ultimate frisbee, and many others. The class is designed for students that enjoy competitive team sports. May not be repeated for credit.

### Advanced PE

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- **Credit:** 0.5
- **Course Number(s):** 60707
- **Grade Levels:** 11, 12
- **Pre-Requisites:** PE 1 Fitness/Health
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** This class is for the student interested in playing a variety of games and improving his or her overall fitness. Activities may include: basketball, softball, volleyball, tennis, swimming, badminton, pickle ball, team handball, speedball, soccer, conditioning, matt ball, kick ball, whiffle ball, indoor target archery, bowling, disc golf, sand volley ball and various indoor and outdoor games.

### Team Sport Officiating

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- **Credit:** 0.5
- **Course Number(s):** 60709
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** Teacher and Athletic Director Approval
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** Students enrolled in the Team Sport Officiating course will learn rules and regulations of selected team sports while developing skills in communication, decision-making, conflict management, and professional responsibilities needed to officiate athletic competitions. Students will interact with coaches, players, fellow officials, and parents, gaining real-world exposure to the responsibilities of officiating. The course includes instruction in time management, legal rights and responsibilities of sports officials, ethics, and professional standards. Upon successful completion, students may earn an officiating certificate. KSHSAA will waive the registration fee to be an official if they have completed this course. Students will apply rules, mechanics, and officiating skills in supervised practice sessions and may be assigned to officiate entry-level events (such as middle school or intramural contests) under supervision. Student must officiate two athletic events within the semester.

# World Languages

| Course Number | Course Title                         | Course Level (Recommended)  |    |    |    | Criteria (Foundational, General, Honor) | Credit | Weighted | Prerequisite | NCAA | Pathway | Graduation Requirement | Fine Arts | Elective |
|---------------|--------------------------------------|-----------------------------|----|----|----|---|--------|----------|--------------|------|---------|------------------------|-----------|----------|
|               |                                      | * Teacher Approval Required |    |    |    |   |        |          |              |      |         |                        |           |          |
|               |                                      | 9                           | 10 | 11 | 12 |   |        |          |              |      |         |                        |           |          |
| 1501-1502     | French 1                             | x                           | x  | x  | x  | G                                       | 1.0    |          |              |      |         | ✓                      | ✓         |          |
| 1511-1512     | French 2                             |                             | x  | x  | x  | G                                       | 1.0    |          | ✓            | ✓    |         | ✓                      | ✓         |          |
| 1521-1522     | French 3                             |                             |    | x  | x  | G                                       | 1.0    |          | ✓            | ✓    |         | ✓                      | ✓         |          |
| 1531-1532     | French 4                             |                             |    | x  | x  | G                                       | 1.0    |          | ✓            | ✓    |         | ✓                      | ✓         |          |
| 1541-1542     | French 5                             |                             |    |    | x  | G                                       | 1.0    |          | ✓            | ✓    |         | ✓                      | ✓         |          |
| 1601-1602     | German 1                             | x                           | x  | x  | x  | G                                       | 1.0    |          |              | ✓    |         | ✓                      | ✓         |          |
| 1611-1612     | German 2                             |                             | x  | x  | x  | G                                       | 1.0    |          | ✓            | ✓    |         | ✓                      | ✓         |          |
| 1621-1622     | German 3                             |                             |    | x  | x  | G                                       | 1.0    |          | ✓            | ✓    |         | ✓                      | ✓         |          |
| 1631-1632     | German 4                             |                             |    | x  | x  | G                                       | 1.0    |          | ✓            | ✓    |         | ✓                      | ✓         |          |
| 1641-1642     | German 5                             |                             |    |    | x  | G                                       | 1.0    |          | ✓            | ✓    |         | ✓                      | ✓         |          |
| 1701-1702     | Spanish 1                            | x                           | x  | x  | x  | G                                       | 1.0    |          |              | ✓    |         | ✓                      | ✓         |          |
| 1711-1712     | Spanish 2                            |                             | x  | x  | x  | G                                       | 1.0    |          | ✓            | ✓    |         | ✓                      | ✓         |          |
| 1721-1722     | Spanish 3                            |                             |    | x  | x  | G                                       | 1.0    |          | ✓            | ✓    |         | ✓                      | ✓         |          |
| 1731-1732     | Spanish 4                            |                             |    | x  | x  | G                                       | 1.0    |          | ✓            | ✓    |         | ✓                      | ✓         |          |
| 1741-1742     | Spanish 5                            |                             |    |    | x  | G                                       | 1.0    |          | ✓            | ✓    |         | ✓                      | ✓         |          |
| 1741-1742     | Spanish Heritage Language Learners 1 | x                           | x  | x  | x  | G                                       | 1.0    |          |              | ✓    |         | ✓                      | ✓         |          |
| 1743-1744     | Spanish Heritage Language Learners 2 | x                           | x  | x  | x  | G                                       | 1.0    |          |              | ✓    |         | ✓                      | ✓         |          |

## French 1

- **Credit:** 1.0
- **Course Number(s):** 1501, 1502
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** French Club

**Description:** French 1 will provide the student with a general introduction to the French language: sound system, pronunciation, functional vocabulary related to everyday life, cultural information and basic grammatical structures. Emphasis will be on the acquisition of four skills: listening, speaking, reading and limited writing. Students who actively participate in this course will be able to carry on simple conversations and be at the Novice Low to Novice Mid-level (according to ACTFL Proficiency Guidelines).

## French 2

- **Credit:** 1.0
- **Course Number(s):** 1511, 1512
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** French 1
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** French Club, Société honoraire de français

**Description:** Students continue to develop and increase their language acquisition in French. Students will be engaged in a study of language structures and vocabulary through reading, listening, speaking, and writing activities. There is a strong emphasis on providing cultural and historical context and conversational examples for the language concepts presented. Students should expect to be actively engaged in their own language learning and understand common vocabulary and phrases. Students who actively participate in this course will be able to carry on simple conversations and be at the Novice Mid to Novice High level (according to ACTFL Proficiency Guidelines).

## French 3

- **Credit:** 1.0
- **Course Number(s):** 1521, 1522
- **Grade Levels:** 11, 12
- **Pre-Requisites:** French 2
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** French Club, Société honoraire de français

**Description:** Students continue to develop and increase their language acquisition in French through the study of language structures in cultural and historical contexts. Students will be engaged in the language through reading, listening, speaking, and writing activities. Students will be expected to set their own proficiency goals, expanding their vocabulary range to include more sophisticated terms and using advanced language expressions. Students who actively participate in this course will be able to initiate and maintain simple interactions and be at the Novice High to Intermediate Low level (according to ACTFL Proficiency Guidelines).

## WORLD LANGUAGES (cont)

### French 4

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- **Credit:** 1.0
- **Course Number(s):** 1531, 1532
- **Grade Levels:** 11, 12
- **Pre-Requisites:** French 3
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No

→ **Clubs:** French Club, Société honoraire de français

**Description:** Students continue to develop and increase their language acquisition in French through the study of language structures in cultural and historical contexts. Students will be engaged in the language through reading, listening, speaking, and writing activities. Students will be expected to set their own proficiency goals, expanding their vocabulary range to include more sophisticated terms and using advanced language expressions. Students who actively participate in this course will be able to converse on familiar topics using the present tense with some evidence of other time frames and be at the Novice High to Intermediate Mid-level (according to ACTFL Proficiency Guidelines). With permission of the teacher, this class may be taken as independent study.

### French 5

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- **Credit:** 1.0
- **Course Number(s):** 1541, 1542
- **Grade Levels:** 12
- **Pre-Requisites:** French 4
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No

→ **Clubs:** French Club, Société honoraire de français

**Description:** This course builds on previous French studies, focusing on advanced grammar skills and the literature of Francophone countries. (This course is taught in conjunction with French 4 And is often independent study).

### German 1

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- **Credit:** 1.0
- **Course Number(s):** 1601, 1602
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No

→ **Clubs:** German Club

**Description:** German 1 will provide the student with a general introduction to the German language: sound system, pronunciation, functional vocabulary related to everyday life, cultural information and basic grammatical structures. Emphasis will be on the acquisition of four skills: listening, speaking, reading and limited writing. Students who actively participate in this course will be able to carry on simple conversations and be at the Novice Low to Novice Mid-level (according to ACTFL Proficiency Guidelines).

### German 2

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- **Credit:** 1.0
- **Course Number(s):** 1611, 1612
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** German 1
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No

→ **Clubs:** German Club, Delta Epsilon Phi

**Description:** Students continue to develop and increase their language acquisition in German. Students will be engaged in a study of language structures and vocabulary through reading, listening, speaking, and writing activities. There is a strong emphasis on providing cultural and historical context and conversational examples for the language concepts presented. Students should expect to be actively engaged in their own language learning and understand common vocabulary and phrases. Students who actively participate in this course will be able to carry on simple conversations and be at the Novice Mid to Novice High level (according to ACTFL Proficiency Guidelines).

### German 3

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- **Credit:** 1.0
- **Course Number(s):** 1621, 1622
- **Grade Levels:** 11, 12
- **Pre-Requisites:** German 2
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No

→ **Clubs:** German Club, Delta Epsilon Phi

**Description:** Students continue to develop and increase their language acquisition in German through the study of language structures in cultural and historical contexts. Students will be engaged in the language through reading, listening, speaking, and writing activities. Students will be expected to set their own proficiency goals, expanding their vocabulary range to include more sophisticated terms and using advanced language expressions. Students who actively participate in this course will be able to initiate and maintain simple interactions and be at the Novice High to Intermediate Low level (according to ACTFL Proficiency Guidelines). The DSD 1 exam or the AAPPL exam will be taken during the second semester to qualify for the Kansas State Seal of Biliteracy.

### German 4

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- **Credit:** 1.0
- **Course Number(s):** 1631, 1632
- **Grade Levels:** 11, 12
- **Pre-Requisites:** German 3
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No

→ **Clubs:** German Club, Delta Epsilon Phi

**Description:** Students continue to develop and increase their language acquisition in German through the study of language structures in cultural and historical contexts. Students will be engaged in the language through reading, listening, speaking, and writing activities. Students will be expected to set their own proficiency goals, expanding their vocabulary range to include more sophisticated terms and using advanced language expressions. Students who actively participate in this course will be able to converse on familiar topics using the present tense

## WORLD LANGUAGES (cont)

with some evidence of other time frames and be at the Novice High to Intermediate Mid-level (according to ACTFL Proficiency Guidelines). The DSD 1 exam or the AAPPL exam will be taken during the second semester to qualify for the Kansas State Seal of Bilingualism. With permission of the teacher, this class may be taken as independent study.

### German 5

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- **Credit:** 1.0
- **Course Number(s):** 1641, 1642
- **Grade Levels:** 12
- **Pre-Requisites:** German 4
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** German Club, Delta Epsilon Phi

**Description:** This course is individualized toward the student's need in advanced language study, and often is geared toward preparation for the DSD 1 or DSD 2 exam. The student sets goals of language improvement and their work is primarily self-directed. Focus areas will be grammar, and topics of interest to the student. This class will meet in conjunction with German IV. The DSD 1 exam or the AAPPL exam will be taken during the second semester to qualify for the Kansas State Seal of Bilingualism.

### Spanish 1

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- **Credit:** 1.0
- **Course Number(s):** 1701, 1702
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** Azteca/Spanish Club

**Description:** Spanish 1 will provide the student with a general introduction to the Spanish language: sound system, pronunciation, functional vocabulary related to everyday life, cultural information and basic grammatical structures. Emphasis will be on the acquisition of four skills: listening, speaking, reading and limited writing. Students who actively participate in this

course will be able to carry on simple conversations and be at the Novice Low to Novice Mid-level (according to ACTFL Proficiency Guidelines).

### Spanish 2

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- **Credit:** 1.0
- **Course Number(s):** 1711, 1712
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** Spanish 1
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No

**Description:** Students continue to develop and increase their language acquisition in Spanish. Students will be engaged in a study of language structures and vocabulary through reading, listening, speaking, and writing activities. There is a strong emphasis on providing cultural and historical context and conversational examples for the language concepts presented. Students should expect to be actively engaged in their own language learning and understand common vocabulary and phrases. Students who actively participate in this course will be able to carry on simple conversations and be at the Novice Mid to Novice High level (according to ACTFL Proficiency Guidelines).

### Spanish 3

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- **Credit:** 1.0
- **Course Number(s):** 1721, 1722
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Spanish 2
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No

**Description:** Students continue to develop and increase their language acquisition in Spanish. Students will be engaged in a study of language structures and vocabulary through reading, listening, speaking, and writing activities. There is a strong emphasis on providing cultural and historical context and conversational examples for the language concepts presented. Students should expect to be actively engaged in their own language learning

and understand common vocabulary and phrases. Students who actively participate in this course will be able to carry on simple conversations and be at the Novice High to Novice Intermediate level (according to ACTFL Proficiency Guidelines).

### Spanish 4

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- **Credit:** 1.0
- **Course Number(s):** 1731, 1732
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Spanish 3 or Spanish for Heritage Language Learners
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No

**Description:** Students continue to develop and increase their language acquisition in Spanish through the study of language structures in cultural and historical contexts. Students will be engaged in the language through reading, listening, speaking, and writing activities. Students will be expected to set their own proficiency goals, expanding their vocabulary range to include more sophisticated terms and using advanced language expressions. Students who actively participate in this course will be able to converse on familiar topics using the present tense with some evidence of other time frames and be at the Novice High to Intermediate Mid-level (according to ACTFL Proficiency Guidelines). Students have the opportunity to take the AAPPL to qualify for the Kansas State Seal of Bilingualism. Students can qualify for the Seal their Junior or Senior year of HS. With permission of the teacher, this class may be taken as independent study.

**Spanish 5**

- **Credit:** 1.0
- **Course Number(s):** 1735, 1736
- **Grade Levels:** 12
- **Pre-Requisites:** Spanish 4
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** Azteca/Spanish Club, Sociedad Honorífica Hispanica

**Description:** Class will be independent study and meet in conjunction with Spanish IV. Students continue to develop and increase their language acquisition in Spanish through the study of language structures in cultural and historical contexts. Students will be engaged in the language through reading, listening, speaking, and writing activities. Students will be expected to set their own proficiency goals, expanding their vocabulary range to include more sophisticated terms and using advanced language expressions. Students who actively participate in this course will be able to converse on familiar topics using the present tense with some evidence of other time frames and be at the Novice High to Intermediate Mid-level (according to ACTFL Proficiency Guidelines). With permission of the teacher, this class may be taken as independent study. Students have the opportunity to take the AAPPL exam to qualify for the Kansas State Seal of Biliteracy Students can qualify for the Seal their Junior or Senior year of HS.

**Heritage Speakers****Spanish Heritage Language Learners 1**

- **Credit:** 1.0
- **Course Number(s):** 1741, 1742
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** Azteca/Spanish Club

**Description:** This course is designed for students who speak Spanish at home and is geared toward improving listening, viewing, reading, speaking, and writing skills with the goal of achieving the Kansas State Seal of Biliteracy in their Junior/Senior year of high school. The class is conducted in Spanish and covers Spanish spelling, language use, writing organization and is designed to increase student's knowledge of Latin American literature and culture. Students may take this class twice, completing Levels 1 and 2. Students who would like to continue their language study would follow this course progression: Heritage Language Learners 1 and 2, Spanish 3 or 4, level 5 and or Independent Study.

**Spanish Heritage Language Learners 2**

- **Credit:** 1.0
- **Course Number(s):** 1743, 1744
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** Spanish Heritage 1
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** Azteca/Spanish Club

**Description:** This course is Designed to provide heritage speakers of Spanish with a deepened and enriched understanding of their linguistic and cultural identity within a multicultural context. This course aims to expand students' existing Spanish language skills through multimodal communication strategies, including interpretive, presentational, and interpersonal modes, better attending to their level and needs. Hence, students will explore their personal connections to the Spanish language while gaining linguistic strategies.

# Career & Technical Education

## Pathways and Charts

### Agriculture

#### Agricultural Technology and Mechanical Systems

| Course Title                    | Grade Level     | Prerequisite                | Pathway Level | NHS Credit | College Credit |
|---------------------------------|-----------------|-----------------------------|---------------|------------|----------------|
| Exploratory Ag                  | 7/8th grade CMS | None                        | Introductory  |            |                |
| Agriscience                     | 9-12            | None                        | Technical     | 1.0        |                |
| Intro to Ag Mechanics           | 9-10            | None                        | Technical     | 1.0        |                |
| Pre-Vocational Welding          | 10-12           | Intro to Ag Mechanics       | Technical     | 1.0        |                |
| Agribusiness                    | 11-12           | Ag Academy only             | Application   | 1.0        |                |
| Ag Academy Workplace Experience | 11-12           | Agriscience or Ag Mechanics | Application   | 1.0        |                |
| Advanced Modern Ag Mechanics    | 11-12           | Intro to Ag Mechanics       | Application   | 1.0        |                |

**Student Organization: FFA**

**Pathway credentials: OSHA 10, cPass:Comprehensive Agriculture Assessment**

#### Animal Science, Health and Related Industries

| Course Title                    | Grade Level     | Prerequisite   | Pathway Level | NHS Credit | College Credit |
|---------------------------------|-----------------|--|---------------|------------|----------------|
| Exploratory Ag                  | 7/8th grade CMS | None   | Introductory  |            |                |
| Agriscience                     | 9-12            | None   | Technical     | 1.0        |                |
| Animal Science                  | 10-12           | None   | Technical     | 1.0        | 3.0 - Hutch CC |
| Plant and Animal Science        | 10-12           | None   | Technical     | 1.0        |                |
| Biotech in Ag                   | 11-12           | Plant and Animal Science, and Chemistry                  | Technical     | 1.0        |                |
| Ag Academy Workplace Experience | 11-12           | Agriscience, Animal Science, or Plant and Animal Science | Application   | 1.0        |                |
| Agribusiness (AG academy only)  | 11-12           | Agriscience, Animal Science, or Plant and Animal Science | Application   | 1.0        |                |
| Animal Health                   | 11-12           | Agriscience, Animal Science, or Plant and Animal Science | Application   | 1.0        |                |

**Student Organization: FFA**

**Pathway credentials: OSHA 10, cPass:Comprehensive Agriculture Assessment**

# CTE Pathways and Charts cont....

## Agriculture Cont....

| Diversified Agricultural Science  |                 |  |               |            |                |
|---|-----------------|--|---------------|------------|----------------|
| Course Title  | Grade Level     | Prerequisite   | Pathway Level | NHS Credit | College Credit |
| Exploratory Ag  | 7/8th grade CMS | None   | Introductory  |            |                |
| Agriscience   | 9-12            | None   | Technical     | 1.0        |                |
| Horticulture 1  | 10-12           | None   | Technical     | 1.0        |                |
| Animal Science  | 10-12           | None   | Technical     | 1.0        | 3.0 - Hutch CC |
| Plant and Animal Science  | 10-12           | None   | Technical     | 1.0        |                |
| Intro to Ag Mechanics   | 9-10            | None   | Technical     | 1.0        |                |
| Biotech in Ag   | 11-12           | Plant and Animal Science, and Chemistry                  | Technical     | 1.0        |                |
| Ag Academy Worplace Experience  | 11-12           | Agriscience, Animal Science, or Plant and Animal Science | Application   | 1.0        |                |
| Agribusiness (AG Academy only)  | 11-12           | Agriscience, Animal Science, or Plant and Animal Science | Application   | 1.0        |                |
| <b>Student Organization: FFA</b>  |                 |  |               |            |                |
| <b>Pathway credentials: OSHA 10, cPass:Comprehensive Agriculture Assessment</b> |                 |  |               |            |                |

| Plant Science and Industry Operations   |                 |  |               |            |                |
|---|-----------------|--|---------------|------------|----------------|
| Course Title  | Grade Level     | Prerequisite   | Pathway Level | NHS Credit | College Credit |
| Exploratory Ag  | 7/8th grade CMS | None   | Introductory  |            |                |
| Agriscience   | 9-12            | None   | Technical     | 1.0        |                |
| Horticulture 1  | 10-12           | None   | Technical     | 1.0        |                |
| Plant and Animal Science  | 10-12           | None   | Technical     | 1.0        |                |
| Ag Academy Worplace Experience  | 11-12           | Agriscience, Animal Science, or Plant and Animal Science | Application   | 1.0        |                |
| Agribusiness (AG Academy only)  | 11-12           | Agriscience, Animal Science, or Plant and Animal Science | Application   | 1.0        |                |
| Horticulture 2  | 11-12           | Horticulture 1 and Plant and Animal Science              | Application   | 1.0        |                |
| <b>Student Organization: FFA</b>  |                 |  |               |            |                |
| <b>Pathway credentials: OSHA 10, cPass:Comprehensive Agriculture Assessment</b> |                 |  |               |            |                |

# CTE Pathways and Charts cont....

## Business

| Business Finance  |             |   |               |            |                      |
|---|-------------|---|---------------|------------|----------------------|
| Course Title  | Grade Level | Prerequisite                                    | Pathway Level | NHS Credit | College Credit       |
| Business Essentials   | 9-10        | None  | Introductory  | 0.5        |                      |
| Accounting 1  | 10-12       | Business Essentials                             | Technical     | 1.0        | 3.0 - Hutch CC       |
| Entrepreneurship/YEK  | 10-12       | Business Essentials                             | Technical     | 0.5        |                      |
| Business Law  | 10-12       | Business Essentials                             | Technical     | 0.5        |                      |
| Investing   | 11-12       | Entrepreneurship or Business Law                | Application   | 0.5        |                      |
| Advanced Accounting 2                                       | 11-12       | Accounting                                      | Application   | 0.5        | 3.0 - Flint Hills TC |
| Finance Workplace Experience                                | 11-12       | Business Law, Investing, or Advanced Accounting | Application   | 0.5        |                      |
| <b>Student Organization: BPA</b>                            |             |   |               |            |                      |
| <b>Pathway credentials: SK Fundamental Finance Concepts</b> |             |   |               |            |                      |

| Marketing  |             |  |               |            |                |
|--|-------------|--|---------------|------------|----------------|
| Course Title   | Grade Level | Prerequisite                               | Pathway Level | NHS Credit | College Credit |
| Business Essentials  | 9-10        | None                                       | Introductory  | 0.5        |                |
| Marketing  | 10-12       | Business Essentials                        | Technical     | 1.0        |                |
| Entrepreneurship/YEK   | 10-12       | Business Essentials                        | Technical     | 0.5        |                |
| Accounting 1   | 10-12       | Business Essentials                        | Technical     | 1.0        | 3.0 - Hutch CC |
| Graphic Design 1   | 10-12       | Business Essentials                        | Technical     | 0.5        |                |
| Web Page Design  | 10-12       | Business Essentials                        | Technical     | 1.0        |                |
| Audio/Video Production Fundamentals  | 9-12        | Business Essentials                        | Technical     | 0.5        |                |
| Small Business Management  | 11-12       | Marketing, Entrepreneurship, or Accounting | Application   | 2.0        |                |
| Marketing Workplace Experience   | 11-12       | Marketing, Entrepreneurship, or Accounting | Application   | 0.5        |                |
| <b>Student Organization: BPA</b>   |             |  |               |            |                |
| <b>Pathway credentials: ASK Fundamental Concepts of Marketing certification test</b> |             |  |               |            |                |

# CTE Pathways and Charts cont....

## Design, Production and Repair

| <b>Construction and Design</b>                     |                    |                                |                      |                   |                       |
|--|--------------------|--------------------------------|----------------------|-------------------|-----------------------|
| <b>Course Title</b>                                | <b>Grade Level</b> | <b>Prerequisite</b>            | <b>Pathway Level</b> | <b>NHS Credit</b> | <b>College Credit</b> |
| Introduction to Skilled Trades                     | 9-10               | None                           | Introductory         | 0.5               |                       |
| Interior Design                                    | 9-12               | None                           | Technical            | 0.5               |                       |
| Woodworking 1                                      | 10-12              | Introduction to Skilled Trades | Technical            | 1.0               |                       |
| HVAC   | 11-12              | Introduction to Skilled Trades | Application          | 4.0               | 13.0 - Hutch CC       |
| Woodworking 2/Carpentry 1                          | 10-12              | Woodworking 1                  | Application          | 1.0               | 4.0 - Hutch CC        |
| Architecture and Construction Workplace Experience | 11-12              | Woodworking 2                  | Application          | 0.5               |                       |
| <b>Student Organization: SKills USA</b>            |                    |                                |                      |                   |                       |
| <b>Pathway credentials: NCCER, HCC Carpentry 1</b> |                    |                                |                      |                   |                       |

| <b>Engineering and Applied Mathematics</b> |                    |  |                      |                   |                       |
|--|--------------------|--|----------------------|-------------------|-----------------------|
| <b>Course Title</b>                        | <b>Grade Level</b> | <b>Prerequisite</b>  | <b>Pathway Level</b> | <b>NHS Credit</b> | <b>College Credit</b> |
| Explorations in Engineering 1 at CMS only  | 7-8                | None   | Introductory         |                   |                       |
| Exploration in Engineering 2 at CMS only   | 7-8                | Exploration in Engineering 1   | Introductory         |                   |                       |
| Introduction to Skilled Trades             | 9-10               | None   | Introductory         | 0.5               |                       |
| Engineering Design                         | 10-12              | Intro to Skilled Trades  | Technical            | 1.0               |                       |
| Principles of Applied Engineering          | 11-12              | Intro to Skilled Trades  | Technical            | 1.0               |                       |
| Engineering Design and Development         | 11-12              | Engineering Design or Principles of Engineering                      | Application          | 1.0               |                       |
| Civil Engineering and Architecture         | 11-12              | Engineering Design or Principles of Engineering                      | Application          | 1.0               |                       |
| Engineering Workplace Experience           | 11-12              | Engineering Design/Development or Civil Engineering and Architecture | Application          | 0.5               |                       |
| Computer Integrated Manufacturing          | 11-12              | Engineering Design   | Application          | 1.0               |                       |
| <b>Student Organization: Skills USA</b>    |                    |  |                      |                   |                       |
| <b>Pathway credentials:</b>                |                    |  |                      |                   |                       |

# CTE Pathways and Charts cont....

## Design, Production and Repair Cont....

| <b>Manufacturing: Machining</b>   |                    |   |                      |                   |                       |
|---|--------------------|---|----------------------|-------------------|-----------------------|
| <b>Course Title</b>   | <b>Grade Level</b> | <b>Prerequisite</b>                                 | <b>Pathway Level</b> | <b>NHS Credit</b> | <b>College Credit</b> |
| Introduction to Skilled Trades  | 9-10               | None  | Introductory         | 0.5               |                       |
| Intro to Principles of Precision Machining  | 10                 | Introduction to Skilled Trades                      | Technical            | 1.0               |                       |
| Precision Machine and CNC Fundamentals Technology 1   | 11-12              | Principles of Precision Machine                     | Technical            | 4.0               | 14.0 - Hutch CC       |
| Computer Aided Manufacturing  | 11-12              | Precision Machine and CNC Fundamentals Technology 1 | Technical            | 1.0               |                       |
| Precision Machine and CNC Fundamental Technology 2  | 11-12              | Precision Machine and CNC Fundamentals Technology 1 | Application          | 4.0               | 16.0 - Hutch CC       |
| <b>Student Organization: Skills USA</b>   |                    |   |                      |                   |                       |
| <b>Pathway credentials: Machining and Manufacturing Technology - Cert A, 21 credits, Machining - Cert B, 30 credits</b> |                    |   |                      |                   |                       |

| <b>Manufacturing: Welding</b>   |                    |                                |                      |                   |                       |
|---|--------------------|--------------------------------|----------------------|-------------------|-----------------------|
| <b>Course Title</b>   | <b>Grade Level</b> | <b>Prerequisite</b>            | <b>Pathway Level</b> | <b>NHS Credit</b> | <b>College Credit</b> |
| Introduction to Skilled Trades  | 9-10               | None                           | Introductory         | 0.5               |                       |
| Welding Technology 1 - Includes Technical Math                                      | 11-12              | Introduction to Skilled Trades | Technical            | 4.0               | 17.0 - Hutch CC       |
| Welding Technology 2 - Includes Technical Math                                      | 11-12              | Welding 1                      | Application          | 4.0               | 15.0 - Hutch CC       |
| <b>Student Organization: Skills USA</b>   |                    |                                |                      |                   |                       |
| <b>Pathway credentials: Welding-Cert A, 17 credits, Welding- Cert B, 30 credits</b> |                    |                                |                      |                   |                       |

| <b>Vehicle Maintenance and Repair</b>  |                    |                         |                      |                   |                       |
|--|--------------------|-------------------------|----------------------|-------------------|-----------------------|
| <b>Course Title</b>  | <b>Grade Level</b> | <b>Prerequisite</b>     | <b>Pathway Level</b> | <b>NHS Credit</b> | <b>College Credit</b> |
| Business Essentials  | 9-10               | None                    | Introductory         | 0.5               |                       |
| Introduction to Skilled Trades   | 9-10               | None                    | Introductory         | 0.5               |                       |
| Automotive Technology 1  | 10-12              | Intro to Skilled Trades | Technical            | 2.0               | 10.0 - Hutch CC       |
| Automotive Technology 2  | 10-12              | Auto 1                  | Application          | 2.0               | 9.0 - Hutch CC        |
| Transportation Workplace Experience  | 11-12              | Auto 1                  | Application          | 0.5               |                       |
| <b>Student Organization: VICA Auto</b>   |                    |                         |                      |                   |                       |
| <b>Pathway credentials: Automotive Technology - Cert A - 19 credits (2 years to complete at NHS)</b> |                    |                         |                      |                   |                       |

# CTE Pathways and Charts cont....

## Family and Consumer Sciences

| <b>Restaurant and Event Management</b>             |                    |   |                      |                   |                       |
|--|--------------------|---|----------------------|-------------------|-----------------------|
| <b>Course Title</b>                                | <b>Grade Level</b> | <b>Prerequisite</b>   | <b>Pathway Level</b> | <b>NHS Credit</b> | <b>College Credit</b> |
| Business Essentials                                | 9-10               | None  | Introductory         | 0.5               |                       |
| Introduction to Family and Consumer Science        | 9-12               | None  | Introductory         | 0.5               |                       |
| Culinary Essentials                                | 10-12              | Intro to Family and Consumer Science                        | Technical            | 0.5               |                       |
| Nutrition and Dietetics                            | 9-12               | Intro to Family and Consumer Science or Business Essentials | Technical            | 0.5               |                       |
| Culinary Arts 1                                    | 10-12              | Culinary Essentials   | Technical            | 1.0               | 4.0 - Butler CC       |
| Baking and Pastry                                  | 10-12              | Culinary Essentials   | Technical            | 0.5               |                       |
| Culinary Workplace Experience                      | 11-12              | Culinary Arts 1 or Baking and Pastry                        | Application          | 1.0               |                       |
| <b>Student Organization:</b>                       |                    |   |                      |                   |                       |
| <b>Pathway credentials: ServSafe-Culinary Arts</b> |                    |   |                      |                   |                       |

| <b>Family, Community, and Consumer Services</b> |                    |   |                      |                   |                       |
|---|--------------------|---|----------------------|-------------------|-----------------------|
| <b>Course Title</b>                             | <b>Grade Level</b> | <b>Prerequisite</b>                         | <b>Pathway Level</b> | <b>NHS Credit</b> | <b>College Credit</b> |
| Introduction to Family and Consumer Sciences    | 9-12               | None  | Introductory         | 0.5               |                       |
| Family Studies                                  | 10-12              | Introduction to Family and Consumer Science | Technical            | 0.5               |                       |
| Lifespan Development                            | 9-12               | Introduction to Family and Consumer Science | Technical            | 0.5               |                       |
| Nutrition and Dietetics                         | 9-12               | Introduction to Family and Consumer Science | Technical            | 0.5               |                       |
| Culinary Essentials                             | 9-12               | Introduction to Family and Consumer Science | Technical            | 0.5               |                       |
| Human Services Workplace Experience             | 11-12              | Family Studies or Lifespan Development      | Application          | 0.5               |                       |
| <b>Student Organization:</b>                    |                    |   |                      |                   |                       |
| <b>Pathway credentials: None</b>                |                    |   |                      |                   |                       |

# CTE Pathways and Charts cont....

## Health

| Health Science                            |  |   |               |            |                 |
|---|--|---|---------------|------------|-----------------|
| Course Title                              | Grade Level  | Prerequisite  | Pathway Level | NHS Credit | College Credit  |
| Chemistry                                 | 10-11  | None  | Introductory  | 1.0        |                 |
| Introduction to Health Care               | 9-11   | None  | Introductory  | 0.5        |                 |
| Anatomy and Physiology                    | 10-12  | Intro to Health Care  | Technical     | 1.0        |                 |
| Human Body Systems                        | 10-12  | Chemistry   | Technical     | 1.0        |                 |
| Medical Terminology                       | 9-11   | Intro to Health Care  | Technical     | 0.5        |                 |
| Nutrition and Dietetics                   | 9-12   | Intro to Health Care  | Technical     | 0.5        |                 |
| Sports Medicine                           | 11-12  | Human Body Systems or Anatomy and Physiology  | Technical     | 1.0        |                 |
| Certified Nursing Assistant (CNA)         | 11-12  | Medical Terminology, or Human Body Systems, or Nutrition and Dietetics, or Anatomy and Physiology | Application   | 1.0        | 4.5 - Hutch CC  |
| Certified Medication Aide (CMA)           | 12 (must be 18 years old by the conclusion of the course in May) | CNA   | Application   | 1.0        | 4.5 - Hutch CC  |
| EMT 1                                     | 12   | Medical Terminology, or Human Body Systems, or Nutrition and Dietetics, or Anatomy and Physiology | Application   | 2.0        | 10.0 - Hutch CC |
| Health Science Workplace Experience       | 11-12  | Medical Terminology, or Human Body Systems, or Nutrition and Dietetics, or Anatomy and Physiology | Application   | 1.0        |                 |
| <b>Student Organization: HOSA</b>         |  |   |               |            |                 |
| <b>Pathway credentials: CNA, CMA, EMT</b> |  |   |               |            |                 |

# CTE Pathways and Charts cont....

## Media and Tech

| <b>Media Design and Communications</b>                            |                    |   |                      |                   |                       |
|---|--------------------|---|----------------------|-------------------|-----------------------|
| <b>Course Title</b>   | <b>Grade Level</b> | <b>Prerequisite</b>                       | <b>Pathway Level</b> | <b>NHS Credit</b> | <b>College Credit</b> |
| Computer Applications   | 8                  | None                                      | Introductory         |                   |                       |
| Graphic Design  | 10-12              | Computer applications                     | Technical            | 1.0               |                       |
| Web Page Design   | 10-12              | Computer applications                     | Technical            | 1.0               |                       |
| E-Sports and Gaming   | 11-12              | IT Essentials or<br>Computer applications | Technical            | 1.0               |                       |
| Intro to Journalism   | 9-12               | Computer Applications                     | Technical            | 1.0               |                       |
| Audio/Video Production<br>Fundamentals                            | 9-12               | Teacher approval                          | Technical            | 0.5               |                       |
| Graphic Design Workplace<br>Experience                            | 11-12              | Graphic Design                            | Application          | 1.0               |                       |
| Digital Media Design and<br>Production(Newspaper and<br>Yearbook) | 9-12               | Introduction to Journalism                | Application          | 1.0               |                       |
| <b>Student Organization: News Magazine, Yearbook</b>              |                    |   |                      |                   |                       |
| <b>Pathway credentials:</b>                                       |                    |   |                      |                   |                       |

| <b>Networking and Telecommunications</b>  |                    |                         |                      |                   |                       |
|---|--------------------|-------------------------|----------------------|-------------------|-----------------------|
| <b>Course Title</b>   | <b>Grade Level</b> | <b>Prerequisite</b>     | <b>Pathway Level</b> | <b>NHS Credit</b> | <b>College Credit</b> |
| Computer Applications   | 8                  | None                    | Introductory         |                   |                       |
| IT Essentials   | 9-12               | Computer Applications   | Technical            | 1.0               |                       |
| Network Systems 1   | 10-12              | IT Essentials           | Application          | 1.0               |                       |
| Networking Systems 2  | 11-12              | Network Systems 1       | Application          | 1.0               |                       |
| Telecom Workplace<br>Experience   | 11-12              | Network Systems 1 and 2 | Application          | 1.0               |                       |
| <b>Student Organization: eSports</b>  |                    |                         |                      |                   |                       |
| <b>Pathway credentials: JSE (Certified Entry-Level JavaScript Programmer),<br/>CPE (C++ Certified Entry-Level Programmer)</b> |                    |                         |                      |                   |                       |

# CTE Pathways and Charts cont....

## Public Service

| Teaching and Training                                      |             |   |               |            |                |
|--|-------------|---|---------------|------------|----------------|
| Course Title   | Grade Level | Prerequisite  | Pathway Level | NHS Credit | College Credit |
| Introduction to Family and Consumer Science                | 9-12        | None  | Introductory  | 0.5        |                |
| Family Studies   | 10-12       | Introduction to Family and Consumer Science   | Technical     | 0.5        |                |
| Lifespan Development                                       | 9-12        | Introduction to Family and Consumer Science   | Technical     | 0.5        |                |
| Teaching as a Career                                       | 11-12       | Introduction to Family and Consumer Science and/or Lifespan Development or Family Studies | Technical     | 1.0        |                |
| Teaching Workplace Experience                              | 11-12       | Teaching as a Career  | Application   | 1.0        |                |
| <b>Student Organization:</b>                               |             |   |               |            |                |
| <b>Pathway credentials: Pre-PAC-Education Fundamentals</b> |             |   |               |            |                |

## Special Programs

| Electrical Certification Program   |             |                         |            |                 |
|--|-------------|-------------------------|------------|-----------------|
| Through Hutchinson Community College   |             |                         |            |                 |
| Course Title   | Grade Level | Prerequisite            | NHS Credit | College Credit  |
| Electrical Tech 1  | 11-12       | Intro to Skilled Trades | 4.0        | 19.0 - Hutch CC |
| Electrical Tech 2  | 11-12       | Electrical 1            | 4.0        | 18.0 - Hutch CC |
| <b>Student Organization:</b>   |             |                         |            |                 |
| <b>Pathway credentials: Electrical 1-Industrial Mechanical Maintenance (Electrical) - Cert A, 19 credits</b> |             |                         |            |                 |
| <b>Pathway credentials: Electrical 2-Industrial Electrical Technology - Cert B, 33 credits</b>               |             |                         |            |                 |

| Fire Science                         |             |              |            |                |
|--------------------------------------|-------------|--------------|------------|----------------|
| Through Hutchinson Community College |             |              |            |                |
| Course Title                         | Grade Level | Prerequisite | NHS Credit | College Credit |
| Fire Science 1 & 2                   | 11-12       | None         | 1.0        | 8.0 - Hutch CC |
| <b>Student Organization:</b>         |             |              |            |                |
| <b>Pathway credentials:</b>          |             |              |            |                |

| Drones                               |             |              |            |                |
|--------------------------------------|-------------|--------------|------------|----------------|
| Through Hutchinson Community College |             |              |            |                |
| Course Title                         | Grade Level | Prerequisite | NHS Credit | College Credit |
| Drones                               | 10-12       | None         | 0.5        | 3.0 - Hutch CC |
| <b>Student Organization:</b>         |             |              |            |                |
| <b>Pathway credentials:</b>          |             |              |            |                |

# CTE Courses

## Agriculture

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### Introduction to Ag Mechanics

- **Credit:** 1.0
- **Course Number(s):** 8181, 8182
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** None
- **Pathway:** Ag Technology & Mechanical Systems and Diversified Ag Science
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** FFA

**Description:** This course of study will develop basic skills in Agricultural Mechanics. This will include Leadership; Power and Hand Tools; Homestead Electricity; Safety and Career Orientation. Structures, concrete, and plumbing. Leadership and Personal Development skills are taught through the integration of FFA Career development skills and SAE (supervised agricultural experience) activities. This course cannot be repeated for credit.

### Pre-Vocational Ag Welding

- **Credit:** 1.0
- **Course Number(s):** 8141, 8142
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** Intro to Ag Mechanics
- **Pathway:** Ag Technology & Mechanical Systems
- **Course Fees:** \$25.00
- **Dual Credit Available:** No
- **Clubs:** FFA

**Description:** This course is designed for students wanting to explore the career of professional welder. Pre-Voc Ag Welding is competency-based (achieve skill levels at the individual's pace) covering shop safety, arc welding, MIG welding and Plasma Arc and CNC Plasma Cutting. Students will be introduced to the FFA organization, have the opportunity to become an active member and compete in related CDEs and be encouraged to develop SAEs.

### Adv. Modern Ag Mechanics

- **Credit:** 1.0
- **Course Number(s):** 8183, 8184
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Intro to Ag Mechanics, Pre-Voc Welding, By Approval Only
- **Pathway:** Ag Technology & Mechanical Systems
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** FFA

**Description:** This is an upper level course with emphasis on career skills in mechanics and engineering. Instruction will focus on extending skills developed in previous Ag Mechanics classes. Supervised ag experiences (SAE) and FFA leadership activities are integral components of this course. These provide students with practical application. Students are expected to attend at least one career development event (CDE) while in this class.

### Agriscience

- **Credit:** 1.0
- **Course Number(s):** 8101, 8102
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** None
- **Pathway:** Ag Technology & Mechanical Systems, Animal Science, Health, & Related Industries, & Diversified Ag Science, Plant Science & Industry Operations
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** FFA

**Description:** This course will cover the fundamental knowledge of animals, plants, and ag careers. Classroom learning will be enhanced by the onsite outdoor lab, greenhouse, and shop. Supervised ag experiences (SAE) and FFA leadership activities are integral to this course. Students are expected to attend at least one career development event (CDE) while in the class.

### Plant & Animal Science

- **Credit:** 1.0
- **Course Number(s):** 85121, 85122
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** None
- **Pathway:** Animal Science, Health, & Related Industries, & Diversified Ag Science
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** FFA

**Description:** This course provides content related to both animal production and plant production, providing comprehensive coverage of the production functions of the agricultural industry. Topics such as care and management of farm animals, crop production and harvesting, plant and animal insect and disease control, efficient resource management and farm management and food processing. FFA membership is strongly encouraged. Students will participate in FFA activities such as Agronomy, Livestock, and Meat Evaluation. This course is good preparation for the Animal Science course.

### Horticulture 1

- **Credit:** 1.0
- **Course Number(s):** 8191, 8192
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** Agriscience or Plant and Animal Science
- **Pathway:** Diversified Ag Science, Plant Science & Industry Operations
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** FFA

**Description:** This course provides students with an opportunity to study greenhouse management, landscaping, turf management, and fruit and vegetable production. Students will propagate, grow bedding plants, operate the school greenhouse, and complete a landscape design. Some introduction to forestry and environmental careers is included. Students will participate in the FFA activities including Public

# Agriculture Cont....

Speaking, Judging, and Problem Solving. If a student successfully completes Biology and Chemistry or Life Science and Integrated Science 1, they may select Horticulture 1, Horticulture 2 or Animal Science for their third science credit.

## Horticulture 2

- **Credit:** 1.0
  - **Course Number(s):** 8193, 8194
  - **Grade Levels:** 10, 11, 12
  - **Pre-Requisites:** Horticulture 1
  - **Pathway:** Diversified Ag Science, Plant Science & Industry Operations
  - **Course Fees:** None
  - **Dual Credit Available:** No
  - **Clubs:** FFA
- Description:** This course is designed to provide students with an overview of the Horticulture industry. Emphasis is placed on information and skills needed in Horticulture Services, Landscape Contracting, Certified Nursery Professional, and Retail Florist. Students will be prepared to enter fields in the green industry. Topics of study include: Greenhouse management, recreational and turf grass management, basic florist design, pest control, floriculture, and marketing. Scientific, mathematical, economic, and technical principles are reinforced in this course, as are communication and critical thinking skills. Work-based learning strategies for this course are field trips and activities in the school greenhouse or lab facility. Supervised agricultural experience programs (SAE) and FFA leadership activities are integral components of the course and provide many opportunities for practical application of instructional competencies. Class may be taken multiple years by Teacher Approval. If a student successfully completes Biology and Chemistry or Life Science and Integrated Science 1, they may select Horticulture 1, Horticulture 2 or Animal Science for their third science credit.

## Animal Science

- **Credit:** 1.0
  - **Course Number(s):** 81531, 81532
  - **Grade Levels:** 11, 12
  - **Pre-Requisites:** Agriscience
  - **Pathway:** Animal Science, Health, & Related Industries
  - **Course Fees:** None
  - **Dual Credit Available:** Yes - 3.0 Hutch CC Credits
  - **Clubs:** FFA
- Description:** This course will use a practical approach to the study of animals. It will integrate the concepts of biology with the field of agriculture. Animal Science will broaden a student's view and understanding of animal and biological science principles of focusing on daily life applications. Learning is enhanced through the on-site hands learning lab. Science and vocational outcomes will be incorporated into the course. Students will be introduced to the FFA organization, have the opportunity to become an active member and compete in related CDEs (career development experience) and are required to develop (supervised agricultural experience) programs.

## Animal Health

- **Credit:** 1.0
  - **Course Number(s):** 81541, 81542
  - **Grade Levels:** 11, 12
  - **Pre-Requisites:** Agriscience & Animal Science
  - **Pathway:** Animal Science, Health, & Related Industries
  - **Course Fees:** None
  - **Dual Credit Available:** No
  - **Clubs:** FFA
- Description:** This course takes an in depth look into animal health. Students will be exposed to a number of careers in animal health, including veterinarians, vet technicians, microbiologists, pathologists, geneticists, pharmacists, food scientists and others. Students will be exposed to many different cells and tissues from a variety of species. The course will cover anatomy and physiology, epidemiology. Laboratory

activities will include live animal health checks and vaccination, artificial insemination, stitch work. Students will be exposed to large and small animal species.

## Ag Power Mechanics

- **Credit:** 1.0
  - **Course Number(s):** 8187, 8188
  - **Grade Levels:** 11, 12
  - **Pre-Requisites:** Adv Modern Ag Mechanics
  - **Pathway:** Ag Technology & Mechanical Systems
  - **Course Fees:** None
  - **Dual Credit Available:** No
  - **Clubs:** FFA
- Description:** Ag Power Mechanics will give the student hands on opportunities to repair and maintain internal combustion engines, electrical, and hydraulic systems. Scientific, mathematical, economic, and technical principles are reinforced in this course, as are communication and critical thinking skills. Work-based learning strategies appropriate for this course are field trips and activities in the school lab facility. Supervised agricultural experience SAE programs and FFA leadership activities are integral components of the course and provide many opportunities for practical application of instructional competencies.

# Agriculture Cont....

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## Agriculture Academy

### Agricultural English 2

- **Credit:** 1.0
- **Course Number(s):** 1045, 1046
- **Grade Levels:** 10
- **Pre-Requisites:** Application & Teacher Approval
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** FFA

**Description:** This course is designed around an agricultural lens by which the content is taught. This course deepens the student's understanding of literary types; short stories, novels, poetry, nonfiction and drama are studied through selected readings. In addition to understanding the literature, students will write in response to the literature, demonstrating composition skills. There is an emphasis on grammar and vocabulary.

### Agricultural English 3

- **Credit:** 1.0
- **Course Number(s):** 1063, 1064
- **Grade Levels:** 11
- **Pre-Requisites:** Application & Teacher Approval
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** FFA

**Description:** This course is taught with agriculture as its primary theme. This course emphasizes close reading and written analysis of themes in American Literature. Student comprehension of their assigned reading is assessed by writing and traditional examinations. Students are expected to construct written evidence of the results of their close reading and analysis of tests. Students will construct a written research project. Student writing skills are expected to demonstrate a level of competence consistent with the Kansas State Writing Assessment indicators and consistently score higher than two on any six-trait writing evaluation rubric.

### Agricultural English 4

- **Credit:** 1.0
- **Course Number(s):** 1083, 1084
- **Grade Levels:** 12
- **Pre-Requisites:** Application & Teacher Approval
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** FFA

**Description:** Agriculture English 4 is a survey course designed to prepare students to be successful in their postsecondary plans. Areas of emphasis include the reading of both fiction and nonfiction literature and writing for academic as well as vocational purposes. The class will be taught with a focus on Agriculture. This class is only open to Ag Academy students.

### Agriculture World History-1400 to Present

- **Credit:** 1.0
- **Course Number(s):** 2031, 2032
- **Grade Levels:** 10
- **Pre-Requisites:** Application & Teacher Approval
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** FFA

**Description:** This class covers the period of human history from 1400—approximately the European Renaissance—to the present. There is a concentration on the economic, political, civic, geographic, and cultural factors or events that dominated and shaped countries in Asia, Europe, Africa and the Americas through the lens of Ag. Resources will include multimedia software, primary sources and secondary reference materials. Performance is assessed through: individual research activities, class projects, written assignments and exams.

### Agriculture Contemporary U.S. History

- **Credit:** 1.0
- **Course Number(s):** 2057, 2058
- **Grade Levels:** 11
- **Pre-Requisites:** Application & Teacher Approval
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** FFA

**Description:** This class is required for 11th grade. The course will describe the growth of the United States as a world power in the 20th century. The student will examine the events, ideas and personalities that drew the United States—already an economic giant—to assume political leadership in the modern world and how U.S. superpower status shaped its contemporary social and economic fabric through the lens of Ag. Resources will include multimedia software, primary sources, and secondary reference materials. Performance will be assessed through class projects, media reviews, written assignments and traditional exams.

### Agricultural Sociology

- **Credit:** 0.5
- **Course Number(s):** 21103
- **Grade Levels:** 12
- **Pre-Requisites:** Application & Teacher Approval
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** FFA

**Description:** In this course students will study the concepts of socialization, social interaction, social organization, cultural and social change, social institutions and social problems through a lens of agriculture. Evaluation consists of objective and/or subjective exams.

# Agriculture Cont....

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## Agriculture Academy Cont...

### Agricultural Government

- **Credit:** 0.5
  - **Course Number(s):** 20822
  - **Grade Levels:** 12
  - **Pre-Requisites:** Application & Teacher Approval
  - **Pathway:** None
  - **Course Fees:** None
  - **Dual Credit Available:** No
  - **Clubs:** FFA
- Description:** This class is required for graduation. It covers the development of government from pre-Greek to modern governments through the lens of Ag. The major emphasis is on the American governmental system. Students have the opportunity to complete individual projects. Exams are both objective and subjective.

### Agribusiness

- **Credit:** 1.0
  - **Course Number(s):** 8123, 8124
  - **Grade Levels:** 11, 12
  - **Pre-Requisites:** Agriscience and/or Plant & Animal Science; Application & Teacher Approval
  - **Pathway:** Ag Technology & Mechanical Systems, Animal Science, Health, & Related Industries, & Diversified Ag Science, Plant Science & Industry Operations
  - **Course Fees:** None
  - **Dual Credit Available:** No
  - **Clubs:** FFA
- Description:** Students in this course study careers in the agri-business industry which include, but are not limited to, careers in communications, displaying, advertising, physical distribution, selling, and transportation. Skills are developed in recordkeeping, management, economics, and computer orientation as they relate to agri-business. Leadership is developed through participation in the FFA organization. Students are encouraged to have a crop, livestock, Ag Mechanics or Ag Science program or be employed by an agribusiness firm in the community.

### Biotechnology in Ag

- **Credit:** 1.0
  - **Course Number(s):** 8125, 8126
  - **Grade Levels:** 11, 12
  - **Pre-Requisites:** Plant and Animal Science & Chemistry; Application & Teacher Approval
  - **Pathway:** Animal Science, Health, & Related Industries, Diversified Ag Science
  - **Course Fees:** None
  - **Dual Credit Available:** No
  - **Clubs:** FFA
- Description:** Biotechnology in Agriculture is a class within the Ag Academy that focuses on many areas of industry, providing students with a background on the regulatory issues and agencies involved including the USDA and FDA. The course will also analyze ethical, legal, social and cultural issues regarding the use of biotechnology in agriculture. Lab work will be stressed in the course. Students will develop an understanding of lab operations including record keeping, equipment operations and management, as well as the proper handling and use of biological materials. Labs procedures focusing on the isolation and purification of DNA and RNA, analysis of genetic samples using electrophoresis and PCR technologies, the production and use of antibodies and protein detections, as well as the importance of microbe detections in lab and industry settings, will all be included. This course is part of the Ag Academy science progression. This course does count for science credit. Juniors in the Ag Academy get preference for this class. All other Juniors are accepted when space is available.

# Business Finance & Marketing

## Business Essentials

- **Credit:** 0.5
- **Course Number(s):** 50301
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** None
- **Pathway:** Business Finance, Marketing, Restaurant & Event Management Vehicle Maintenance & Repair, Media Design & Communications
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** BPA

**Description:** This introductory course is designed to give students an overview of the business field but also how business is involved in everyday life and all careers. Students will examine current events to determine their impact on business, and industry, and legal and ethical issues. Students will identify employability and personal skills needed to obtain a career and be successful in the workplace. As students learn about different types of businesses, they will analyze business practices to determine ethical and social responsibilities.

## Accounting 1

- **Credit:** 1.0
- **Course Number(s):** 5033, 5034
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** Business Essentials
- **Pathway:** Business Finance, Marketing
- **Course Fees:** None
- **Dual Credit Available:** Yes - 3.0 Hutch CC Credits
- **Clubs:** BPA

**Description:** This course teaches the fundamental accounting cycles for two types of businesses. The student learns how to operate a service business and the second business that students learn is the organization of a merchandising business as a partnership such as a sporting goods store or an auto parts store. Other topics included are careers, checking accounts, small business management, and payroll records. Students receive college credit through Hutch CC.

## Advanced Accounting 2

- **Credit:** 1.0
- **Course Number(s):** 5047, 5048
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Accounting 1
- **Pathway:** Business Finance
- **Course Fees:** None
- **Dual Credit Available:** Yes - 3.0 Flint Hills TC Credits
- **Clubs:** BPA

**Description:** Advanced Accounting 2 continues to expand upon the fundamental accounting principles and procedures learned in Accounting I. A greater concentration is placed upon corporate and managerial accounting procedures. This course continues its emphasis on planning and developing a career in accounting or other related fields. Students receive college credit for Financial Accounting through Flint Hills Technical College. *Student responsible for Textbook Fee.*

## Business Law

- **Credit:** 0.5
- **Course Number(s):** 80201
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** None
- **Pathway:** Business Finance
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** BPA

**Description:** This course concentrates on sources of law, types of law, the judicial system, legal rights and responsibilities. Topics include criminal, civil, contracts, consumer, property, agency, employment, family and environmental law. Real-life cases will be integrated within the class.

## Marketing

- **Credit:** 1.0
- **Course Number(s):** 80391, 80392
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** Business Essentials
- **Pathway:** Marketing, Restaurant & Event Management
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** BPA

**Description:** Students learn about the expanding field of marketing, marketing careers, promotion, ethics, and product development. Students will learn about delivering value in satisfying customer needs and wants, determine target markets, and decide upon appropriate products, services, and programs to serve these markets. Topics include branding and product development, pricing strategies, marketing research, promotion, supply chain management and service marketing.

## Entrepreneurship/YEK

- **Credit:** 0.5
- **Course Number(s):** 8061
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Business Essentials
- **Pathway:** Business Finance, Marketing
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** BPA

**Description:** Entrepreneurship will teach the skills and approaches to successfully evaluate and create new business opportunities. Emphasis is placed on projects and student-led learning. Students will engage in team building and collaborative activities.

# Business Finance & Marketing Cont....

## Financial Management 1

*\*Graduation Requirement*

- **Credit:** 0.5
- **Course Number(s):** 80101
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** This course provides students with knowledge and insight to help them make wise choices regarding personal money management. Topics covered will include the economic systems and cycles as they impact consumers. Primary units within the course will also focus on credit use and abuse, budgeting, banking, saving and insurance. An introduction to investing will also be included.

## Investing

- **Credit:** 0.5
- **Course Number(s):** 80111
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Accounting 1, Entrepreneurship/YEK or Business Law
- **Pathway:** Business Finance
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** This course emphasizes the formulation of business and individual investment decisions by comparing and contrasting the investment qualities of cash, stocks, bonds and mutual funds. Students will review annual reports, predict growth rates and analyze trends. Stock market simulations will be incorporated into this course.

## Small Business Management

- **Credit:** 2.0
- **Course Number(s):** 8075, 8076, 8077, 8078
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Business Essentials & Teacher Approval
- **Pathway:** Marketing
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** Small Business Management furthers student understanding and skills in the various marketing functions. Students coordinate channel management with other marketing activities, discuss the nature of marketing plans, generate product ideas, coordinate activities in the promotional mix, and demonstrate specialized sales processes and techniques. Economic and financial concepts are also stressed throughout the course. Current technology will be used to acquire information and to complete the projects. Throughout the course, students are presented problem solving situations for which they must apply academic and critical-thinking skills. Formal reflection is an on-going component of the course along with four projects.

## Advertising (Hutch CC)

- **Credit:** 0.5
- **Course Number(s):** BU145
- **Grade Levels:** 12
- **Pre-Requisites:** Marketing
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** Yes - 3.0 Hutch CC Credits
- **Clubs:** BPA

**Description:** Techniques of effective, efficient, and ethical advertising in multiple media for various sizes of organizations. This class also places students in enrollment at Hutch CC. Tuition covered by Excel In CTE Funding. *Student responsible for Textbook Fee.*

## Intro to Business (Hutch CC)

- **Credit:** 0.5
- **Course Number(s):** BU105
- **Grade Levels:** 12
- **Pre-Requisites:** Marketing
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** Yes - 3.0 Hutch CC Credits
- **Clubs:** BPA

**Description:** Introductory course into business concepts including economic environment, organization, management, labor, marketing, finance and career opportunities available in business. This class also places students in enrollment at Hutch CC. Tuition covered by Excel In CTE Funding. *Student responsible for Textbook Fee.*

# Construction & Design

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## Intro to Skilled Trades

- **Credit:** 1.0
- **Course Number(s):** 70105, 70106
- **Grade Levels:** 9, 10
- **Pre-Requisites:** None
- **Pathway:** Construction & Design, Manufacturing
- **Course Fees:** \$25.00
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** An introductory-level course that develops foundational skills for careers in the Construction, Manufacturing, and Transportation clusters. Students will build accuracy in measurement, practice technical sketching, and explore Computer-Aided Design (CAD). Through hands-on projects in woodworking and metalworking, along with exposure to digital manufacturing tools such as 3D printers and laser cutters, students gain practical experience with materials, processes, and tools, preparing them for advanced coursework and career pathways.

## Woodworking 1

- **Credit:** 1.0
- **Course Number(s):** 7011, 7012
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** Intro to Skilled Trades
- **Pathway:** Construction & Design
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** SkillsUSA - Cabinetmaking

**Description:** An introduction to wood working and the shop setting. Students will utilize a variety of hand and electrical tools. Students will learn how to properly plan a project by selecting lumber, constructing the project, and finish to their liking. In this course students will get to use the CNC machine and construction techniques. This is an introduction course Woodworking 2/ Carpentry 1.

## Woodworking 2/Carpentry 1

- **Credit:** 1.0
- **Course Number(s):** 7021, 7022
- **Grade Levels:** 12
- **Pre-Requisites:** Intro to Skilled Trades & Woodworking 1
- **Pathway:** Construction & Design
- **Course Fees:** None
- **Dual Credit Available:** Yes– 4.0 Hutch CC Credits
- **Clubs:** None

**Description:** Build general carpentry skills through NCCER General Carpentry curriculum. Orientation to carpentry focusing on building materials and fasteners, construction plans and documents, principles of site and building layout. Combined with the Carpentry II course, be prepared to take and pass the General Carpentry exam to earn the NCCER General Carpentry credential. This class also places students in enrollment at Hutch CC. Tuition covered by Excel In CTE Funding.

## HVAC

- **Credit:** 4.0
- **Course Number(s):** 82521 - 82528
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Intro to Skilled Trades
- **Pathway:** Construction & Design
- **Course Fees:** None
- **Dual Credit Available:** Yes– 13.0 Hutch CC Credits
- **Clubs:** None

**Description:** This application-level course prepares students to enter into HVAC, Electrical, or Industrial Maintenance programs. Intro level courses include: AC/DC Circuits, Electrical Maintenance, and Fundamentals of Motor Controls. This class also places students in enrollment at Hutch CC. Tuition covered by Excel In CTE Funding. The course is daily and strong attendance is required due to the college and certificate credits. and potentially earn a certificate. Students enroll Monday through Friday for 3 hours per day. Students will complete Cert A courses on the NHS campus.

# Electrical

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## Electrical Tech 1

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- **Credit:** 4.0
- **Course Number(s):** 82501 - 82508
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Intro to Skilled Trades
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** Yes– 19.0 Hutch CC Credits
- **Clubs:** None

**Description:** This course, Electrical Tech I is the first-year program of a two-year career preparatory program designed to place students directly into the electrician industry. This class also places students in enrollment at Hutch CC. Tuition covered by Excel In CTE Funding. Students receive college credit and potentially earn a certificate. Students enroll Monday through Friday for 3 hours per day. Students will complete Cert A courses on the Newton High campus and a hybrid session at HCC in Hutchinson with transportation provided. Students will complete courses in the comprehensive electrical program that covers courses in AC/DC circuits, Industrial Wiring, PLC, Electrical Maintenance, Industrial Fluid Power, Fundamentals of Motor Controls and Mechanical Maintenance Skills. Students could potentially enter into an apprenticeship program at the end of the spring semester and into the summer (between junior and senior year). Positive work behaviors such as regular attendance, leadership, teamwork and communication skills will be emphasized.

## Electrical Tech 2

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- **Credit:** 4.0
- **Course Number(s):** 82511 - 82518
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Intro to Skilled Trades & Electrical Tech 1
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** Yes– 18.0 Hutch CC Credits
- **Clubs:** None

**Description:** Electrical Tech 2 is the second-year program designed to place students directly into the electrician industry. This class also places students in enrollment at Hutch CC. Tuition covered by Excel In CTE Funding. Students receive college credit and potentially earn a certificate. Students enroll Monday through Friday for 3 hours per day. Students will complete Cert B courses at the HCC campus with transportation provided. Students will complete courses in AC/DC circuits, Industrial Wiring, PLC, Electrical Maintenance, Variable Frequency Drives and Electric Motors, Industrial Fluid Power, Fundamental of Motor Controls and Technical Math. This course can potentially align for an apprenticeship with an electrical business. Positive work behaviors such as regular attendance, leadership, teamwork and communication skills will be emphasized.

# Engineering

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## Engineering Design

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- **Credit:** 1.0
- **Course Number(s):** 7053, 7054
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** Intro to Skilled Trades
- **Pathway:** Engineering & Applied Mathematics
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** RailerRobotics, SkillsUSA

**Description:** A technical-level course emphasizing Computer-Aided Design (CAD) as a core tool for engineering problem-solving. Students will use CAD software to design, refine, and analyze 3D models, applying a structured design process from concept to prototype. Using digital manufacturing tools such as 3D printers and laser cutters, students will produce and test physical models while communicating design intent through technical drawings.

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## Principles of Engineering

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- **Credit:** 1.0
- **Course Number(s):** 70551, 70552
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Intro to Skilled Trades
- **Pathway:** Engineering & Applied Mathematics
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** RailerRobotics, SkillsUSA

**Description:** A technical-level course that introduces students to engineering concepts and knowledge through hands-on projects that combine math, science, and engineering. Students explore key topics such as mechanisms, circuitry, material and structural strength, fluid power, and automation. The course emphasizes problem-solving and design skills while developing teamwork.

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## Civil Engineering & Architecture

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- **Credit:** 1.0
- **Course Number(s):** 70615, 70616
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Engineering Design or Principles of Engineering
- **Pathway:** Engineering & Applied Mathematics
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** SkillsUSA

**Description:** Students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3-D architectural design software.

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## Computer Integrated Manufacturing

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- **Credit:** 1.0
- **Course Number(s):** 82411, 82412
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Engineering Design
- **Pathway:** Engineering & Applied Mathematics
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** RailerRobotics, SkillsUSA

**Description:** This application level course explores how modern manufacturing uses computer technology to design and produce products. Students will build upon their computer-aided design (CAD) and solid modeling skills to create, analyze, and refine designs for manufacturability. Using computer numerical control (CNC) equipment, students will transform their digital models into physical, testable prototypes. Course topics include Measurement & Inspection, Engineering Design, CNC Manufacturing Processes, and Design Process.

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## Engineering Design & Development

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- **Credit:** 1.0
- **Course Number(s):** 70611, 70612
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Engineering Design and/or Principles of Engineering
- **Pathway:** Engineering & Applied Mathematics
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** RailerRobotics, SkillsUSA

**Description:** An application level course brings together the knowledge and skills students have gained throughout the Engineering pathway. Working in teams, students identify a real-world problem, conduct research, and design, model, and test a solution. Computer-Aided Design (CAD) and Computer-Integrated Manufacturing (CIM) tools are used extensively to develop and refine prototypes, while professional skills such as project management, technical communication, and teamwork are emphasized. Students document the design process—from problem identification to testing and iteration—and ultimately present their solution to an open panel.

# Family & Consumer Sciences (FACS)

## Introduction to FACS

- **Credit:** 0.5
  - **Course Number(s):** 83602
  - **Grade Levels:** 9, 10, 11, 12
  - **Pre-Requisites:** None
  - **Pathway:** Family, Community & Consumer Services, Teaching/Training, and Restaurant & Event Management
  - **Course Fees:** None
  - **Dual Credit Available:** No
  - **Clubs:** None
- Description:** This is an introductory class for the area of family and consumer sciences. It is designed to present basic subject matter in all areas of FACS learning: clothing/textiles; resource management; foods and nutrition; interior design, child development, and family relationships. Learning experiences will assist students in understanding themselves, their roles in today's society, and the role of technology at home and at work.

## Family Studies

- **Credit:** 0.5
  - **Course Number(s):** 84701
  - **Grade Levels:** 10, 11, 12
  - **Pre-Requisites:** None
  - **Pathway:** Family, Community & Consumer Services, Teaching/Training
  - **Course Fees:** None
  - **Dual Credit Available:** No
  - **Clubs:** None
- Description:** Family Studies focuses on developing essential parenting skills, nurturing children's development and guiding children's behavior. Course content will include responsibilities and difficulties of parenthood, as well as basic development and care for infants and children. Students will experience a weekend as a parent by taking home an infant simulation doll and creating a lesson for kindergarten students. Students will gain a better understanding of the field of Early Childhood Education through projects, discussion, guest speakers and group activities. Students will be required to plan, develop, and perform.

## Lifespan Development

- **Credit:** 0.5
  - **Course Number(s):** 85405
  - **Grade Levels:** 9, 10, 11, 12
  - **Pre-Requisites:** None
  - **Pathway:** Family, Community & Consumer Services, Teaching/Training
  - **Course Fees:** None
  - **Dual Credit Available:** No
  - **Clubs:** None
- Description:** Life Span Development prepares students for occupations associated with meeting the needs of people by learning about physical, intellectual, emotional and social development from childhood to death. In addition, this course helps students discover how individuals respond to the various stages of the life span with a strong tie to teen years, adulthood and later years.

## Nutrition and Dietetics

- **Credit:** 0.5
  - **Course Number(s):** 84501
  - **Grade Levels:** 9, 10, 11, 12
  - **Pre-Requisites:** None
  - **Pathway:** Family, Community & Consumer Services, Health Science, Restaurant/Event Management
  - **Course Fees:** None
  - **Dual Credit Available:** No
  - **Clubs:** None
- Description:** This course will examine components of interpersonal and intrapersonal well-being. Students will prepare for careers related to nutrition and wellness concepts by taking an in-depth look at various types of diets, nutrition information and disease prevention to identify and apply healthy practices for a lifetime of wellness. Additionally students will explore a variety of physical activities.

## Baking & Pastry

- **Credit:** 0.5
  - **Course Number(s):** 84509
  - **Grade Levels:** 10, 11, 12
  - **Pre-Requisites:** None
  - **Pathway:** Restaurant & Event Management
  - **Course Fees:** None
  - **Dual Credit Available:** No
  - **Clubs:** None
- Description:** This course is designed to give a thorough overview to the baking and pastry portion of the overall restaurant and event management pathway. This class provides students with an understanding of the ingredients and methods used in creating breads, pastries, cookies and other desserts. Students learn how dairy, fruits, flour and chocolate come into play with pastry and baking. The fundamentals of dough and basic decorating skills are covered as well as baking equipment and baking costs.

## Culinary Arts 1

- **Credit:** 1.0
  - **Course Number(s):** 84507, 84508
  - **Grade Levels:** 10, 11, 12
  - **Pre-Requisites:** Culinary Essentials and Baking & Pastry
  - **Pathway:** Restaurant & Event Management
  - **Course Fees:** None
  - **Dual Credit Available:** Yes- 4.0 Butler CC Credits
  - **Clubs:** None
- Description:** This course offers an opportunity for students with a serious interest in learning about careers in the culinary and restaurant industry. Students will be trained in ServSafe regulations that apply to workplace safety. This course will include the effective use of lab organization and communication skills. The class will also build on Culinary Essentials, Baking and Pastry and Nutrition and Dietetics classes. Students will develop techniques and execute menu plans while demonstrating a variety of cooking methods with sauces, fruits, vegetables, grains and proteins. Certifications: ServeSafe Manager.

# Family & Consumer Sciences (FACS) cont....

## Culinary Essentials

- **Credit:** 0.5
- **Course Number(s):** 84505
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** Business Essentials or Introduction to FACS
- **Pathway:** Restaurant & Event Management
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** This course provides students with knowledge and skills related to commercial and institutional food service establishments. Course topics range widely, but include sanitation and safety procedures, nutrition and dietary guidelines, food preparation, quantity food production, meal planning and preparation.

## Fashion Studio 1

*\*Fine Arts Credit*

- **Credit:** 0.5
- **Course Number(s):** 83902
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** Students will learn the basics of the fashion industry as well as how to use a sewing machine to create fashionable garments. Students will make 2 sewing projects. An excellent learning experience for any beginning sewer. Each student will be responsible to provide fabric and other supplies for their sewing projects. Eligible for local Fine Arts credit.

## Fashion Studio 2

*\*Fine Arts Credit*

- **Credit:** 0.5
- **Course Number(s):** 84002
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** Fashion Studio 1
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** This course provides the opportunity to construct fabric projects using a variety of advanced sewing skills & short cuts. Students are taught how & encouraged to sew the Serger sewing machine. Each student will provide their own patterns & materials needed for class.

## Fashion Studio 3

*\*Fine Arts Credit*

- **Credit:** 0.5
- **Course Number(s):** 84202
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** Fashion Studio 2 or Teacher Approval
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** Fashion Studio 3 is an excellent course for creative and self-motivated students. Students will harness their inner fashion designer to create their own patterns and garments. Using skills learned in Fashion Studio 1 and 2 students will work more independently to complete their projects. Students will acquire many advanced sewing construction techniques, including use of the embroidery machine. Each student will provide their own patterns and materials needed for class.

## Interior Design 1

*\*Fine Arts Credit*

- **Credit:** 0.5
- **Course Number(s):** 85001
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** None
- **Pathway:** Construction & Design
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** This is an excellent class for students interested in learning more about the field of interior design. Students will gain knowledge and skills needed to select interior color, design and furnishings for their future home or apartment. Students will complete many hands-on design projects. Students will explore careers in housing and home furnishings.

# Health Science

## Intro to Healthcare

- **Credit:** 0.5
- **Course Number(s):** 8091
- **Grade Levels:** 9, 10, 11
- **Pre-Requisites:** None
- **Pathway:** Health Science
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** HOSA

**Description:** This is a one semester course for students interested in a career in medicine. Students will explore various careers and will learn about the education and licensure requirements for each field. Guest speakers from NMC Health, Newton Fire/EMS and other area providers will visit students on occasion. Other topics include professional job skills and history of healthcare. The class is held at Newton High School.

## Medical Terminology

- **Credit:** 0.5
- **Course Number(s):** 819713
- **Grade Levels:** 9, 10, 11
- **Pre-Requisites:** None
- **Pathway:** Health Science
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** HOSA

**Description:** Students learn how to identify medical terms by analyzing their components. This course emphasizes defining medical prefixes, root words, suffixes and abbreviations. The primary focus is on developing both oral and written skills in the language used to communicate within health care professionals.

## EMT 1

- **Credit:** 2.0
- **Course Number(s):** 80901, 80902, 80903, 80904
- **Grade Levels:** 11, 12
- **Pre-Requisites:** None
- **Pathway:** Health Science
- **Course Fees:** None
- **Dual Credit Available:** Yes- 10.0 Hutch CC Credits
- **Clubs:** HOSA

**Description:** Human Body Systems or Anatomy and Physiology are strongly encouraged and can be taken concurrently. This class places students in enrollment at Hutch CC. Tuition covered by Excel In CTE Funding. CLOCK HOURS are mandated by the State Board, students CANNOT miss more than 10% of class time.

This course teaches concepts of emergency care that prepare an entry-level provider and primary staff from basic life support ambulance services. Information and techniques necessary for certification as an Emergency Medical Technician (EMT) in the State of Kansas and National Registry of EMT. *Student responsible for Textbook Fee.*

## CNA

- **Credit:** 1.0
- **Course Number(s):** 76501, 76502
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** ACT of 14+; highly recommend Human Body Systems or Anatomy and Physiology be taken before this course.
- **Pathway:** Health Science
- **Course Fees:** None
- **Dual Credit Available:** Yes- 4.5 Hutch CC Credits
- **Clubs:** HOSA

**Description:** This class places students in enrollment at Hutch CC. Tuition covered by Excel In CTE Funding. CLOCK HOURS are mandated by the State Board of Healing Arts, students CANNOT miss more than 5 hours of class time.

This class teaches fundamental knowledge of the aging process with emphasis on meeting the physical needs requirements of geriatric residents of health care facilities including ethics, communication, normal and aging body system functions, nutrition, diseases, observation skills, documentation, personal care skills and their adequate performance. Students must pass both theory and clinical portions of the course. Students are required to do clinicals OUTSIDE of school hours please plan accordingly. Students will also take a state board test at the end of the course and if passed, will receive their CNA license. *Student responsible for Textbook Fee.*

## CMA

- **Credit:** 1.0
- **Course Number(s):** 76503, 76504
- **Grade Levels:** 11, 12
- **Pre-Requisites:** CNA, ACT of 14+; Fundamental knowledge of medications, their use, actions, side effects and dosage; documentation; wound management; and supervision skills for geriatric aides.
- **Pathway:** Health Science
- **Course Fees:** None
- **Dual Credit Available:** Yes- 4.5 Hutch CC Credits
- **Clubs:** HOSA

**Description:** This is an HCC course offered at NHS in the Spring semester ONLY. This class places students in enrollment at Hutch CC. Tuition covered by Excel In CTE Funding. Students will study the fundamental knowledge of medications, their use, actions, side effects and dosage; documentation; wound management; and supervision skills for geriatric aides. Students will outline the roles and responsibilities of the medication aide and communicate with and supervise patients to promote therapeutic relations. Course information includes information on medical drugs as well as training on the administration of medical drugs. The student must be 18 when they complete the CMA test at the end of the course. *Student responsible for Textbook Fee.*

## College Medical Terminology

- **Credit:** 0.5
- **Course Number(s):** 81971
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** Hutch CC Tuition
- **Dual Credit Available:** Yes- 3.0 Hutch CC Credits
- **Clubs:** HOSA

**Description:** Elements of medical language including common abbreviations. Emphasis is placed on spelling, pronunciation, correct usage, and meaning relating to body systems, medical science, and medical specialties. *Student responsible for Textbook Fee.*

## Health Sciences Academy

### Health Science English 2

- **Credit:** 1.0
- **Course Number(s):** 1047, 1048
- **Grade Levels:** 10
- **Pre-Requisites:** Intro to Healthcare A/B, 2.5 GPA, Application & Teacher Approval
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** HOSA

**Description:** This course deepens the student's understanding of literary types; short stories, novels, poetry, nonfiction and drama are studied through selected readings. In addition to understanding the literature, students will write in response to the literature, demonstrating composition skills. There is an emphasis on grammar and vocabulary.

### Health Science English 3

- **Credit:** 1.0
- **Course Number(s):** 1065, 1066
- **Grade Levels:** 11
- **Pre-Requisites:** Human Body Systems, World History, 2.5 GPA, Application & Teacher Approval
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** HOSA

**Description:** This course deepens the student's understanding of literary types; short stories, novels, poetry, nonfiction and drama are studied through selected readings. In addition to understanding the literature, students will write in response to the literature, demonstrating composition skills. There is an emphasis on grammar and vocabulary.

### Health Science English 4

- **Credit:** 1.0
- **Course Number(s):** 1087, 1088
- **Grade Levels:** 12
- **Pre-Requisites:** Application & Teacher Approval
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** HOSA

**Description:** This English class offers reading, writing, group work, presentations, building communication skills, working with business professionals all through the lens of project management. This course highlights reading strategies, vocabulary development, critical thinking, analysis, and stresses self-advocacy. Additionally, skills such as time management, self-marketing, and "adulting" are emphasized.

### Health Science Anatomy & Physiology

*\*Weighted Course*

- **Credit:** 1.0
- **Course Number(s):** 3605, 3606
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** Completed Honors Biology and Honors Chemistry; or Completed Human Body Systems with a B or higher, Application & Teacher Approval
- **Pathway:** Health Science
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** HOSA

**Description:** HSA Anatomy and Physiology is a challenging course designed for students considering majoring in the more rigorous medical-related fields such as pre-Vet, pre-Med, pre-physical therapy, or pre-pharmacy. This course is required for juniors in the Health science academy. It is designed for students considering pursuit of an advanced degree in nursing or

becoming a Physician's Assistant. Human structures and the function of those structures from the chemical to organism level will be emphasized. To succeed, students must commit a minimum of a half hour per day on their own time for homework and studying and work during Seminar or before school may be necessary. This course will count as an Academic Recognition Honors credit.

### Health Science World History– 1400 to Present

- **Credit:** 1.0
- **Course Number(s):** 2035, 2036
- **Grade Levels:** 10
- **Pre-Requisites:** Application & Teacher Approval
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** HOSA

**Description:** This course covers the period of human history from 1400—approximately the European Renaissance—to the present. The student will concentrate on the economic, political, civic, geographic, and cultural factors or events that dominated and shaped countries in Asia, Europe, Africa and the Americas. Resources will include multi-media software, primary sources and secondary reference materials. Performance will be assessed through various methods: individual research activities, class projects, written assignments and exams. This course is taught through the lens of health science with an emphasis on events and people important to the development of the modern health sciences.

# Networking & Telecommunications

## IT Essentials

- **Credit:** 1.0
- **Course Number(s):** 51381, 51382
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** None
- **Pathway:** Networking & Telecommunications
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** E-Sports & BPA

**Description:** IT Essentials is a technical level course intended to provide students with exposure to various information technology occupations and the information technology pathways available: Networking & Telecommunications, Information Support and Services, and Programming and Software Development. Students will demonstrate core competencies in safety, electronics and basic digital theory, overview of the internet and operating systems, basic IT terminology and concepts, organization of data and materials, and basic programming.

## Networking Systems 1

- **Credit:** 1.0
- **Course Number(s):** 51383, 51384
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** IT Essentials
- **Pathway:** Networking & Telecommunications
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** E-Sports & BPA

**Description:** Networking Systems is an application level course in the Networking & Telecommunications pathway. It is designed to provide students with the opportunity to understand and work with hubs, switches, and routers. Students develop an understanding of LAN (local area network), WAN (wide area network), wireless connectivity, and Internet-based communications with a strong emphasis on network function, design, and installation practices. Students acquire skills in the design, installation, maintenance and management of network systems that may help them obtain network certification.

## Networking Systems 2

- **Credit:** 1.0
- **Course Number(s):** 51385, 51386
- **Grade Levels:** 11, 12
- **Pre-Requisites:** IT Essentials & Networking Systems 1
- **Pathway:** Networking & Telecommunications
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** E-Sports & BPA

**Description:** This is an application level course in the Networking & Telecommunications pathway. Students learn about router components, start-up, and configuration using CISCO routers, switches, and the IOS. These courses also cover TCP/IP protocol, IP addressing, subnet masks, and network troubleshooting.

# Manufacturing

## Intro to Principles of Precision Machining

- **Credit:** 1.0
- **Course Number(s):** 82283, 82284
- **Grade Levels:** 10
- **Pre-Requisites:** Introduction to Skilled Trades, NHS Application & Interview
- **Pathway:** Manufacturing - Machining
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** This course examines how parts are manufactured using conventional machining equipment such as lathes and mills. This class is a combination of hands-on and theory in producing products on precision manual equipment and then progress to the

more advanced CNC machine tools in the production lab. This class is first in the progression toward college credit and the completion of the Precision Machining program.

## Precision Machining & CNC Fundamentals Technology 1

- **Credit:** 4.0
- **Course Number(s):** 82291 -- 82298
- **Grade Levels:** 11, 12
- **Pre-Requisites:** NHS Application & Interview, Hutch CC Application & References
- **Pathway:** Manufacturing - Machining
- **Course Fees:** None
- **Dual Credit Available:** Yes-- 14.0 Hutch CC Credits
- **Clubs:** SkillsUSA

**Description:** Areas of study will include safety, bench work, measuring and layout, lathe work, milling drilling, grinding materials, blueprint reading, introduction to CNC and modern manufacturing methods. Selecting the proper materials and tools, planning the project sequence according to the blueprints or written specifications, and forming the metal product while holding accuracies to within thousandths of an inch are skills obtained in this class. The understanding of dimensions, units of measure and measuring instruments is necessary for proficiency in machine technology. This class also places Jr & Sr students in enrollment at Hutch CC. Tuition covered by Excel In CTE Funding. Eligible for local Fine Arts credit. Qualifies for Math credit.

# Manufacturing Cont....

## Precision Machining & CNC Fundamentals Technology 2

- **Credit:** 4.0
- **Course Number(s):** 82401, 82402, 82403, 82404, 82405, 82506, 82407, 82408
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Precision Machining & CNC Fundamentals Technology 1, NHS Application & Interview, Hutch CC Application & References
- **Pathway:** Manufacturing - Machining
- **Course Fees:** None
- **Dual Credit Available:** Yes– 16.0 Hutch CC Credits
- **Clubs:** SkillsUSA

**Description:** Emphasis will be placed on blueprint reading and related math skills. Instruction will be given on CNC (computer-controlled machines), and SPC (statistical process control), a quality control system used in industry. This program will prepare students for direct entry into manufacturing or can also serve as recommendation for students wishing to pursue an engineering degree or other advanced technical training. This class also places Jr & Sr students in enrollment at Hutch CC. Tuition covered by Excel In CTE Funding. Eligible for local Fine Arts credit. Qualifies for Math credit.

## Computer-Aided Manufacturing

- **Credit:** 1.0
- **Course Number(s):** 82441, 82442
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Precision Machining & CNC Fundamentals Technology 1, NHS Application & Interview
- **Pathway:** Manufacturing - Machining
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** SkillsUSA

**Description:** This is a comprehensive technical level course designed to instruct students in the knowledge and skills needed to perform computer-aided machining tasks.

## Welding Technology 1

- **Credit:** 4.0
- **Course Number(s):** 8301, 8302, 8303, 8304, 8305, 8306, 8307, 8308
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Intro to Skilled Trades, 2.0 GPA or higher, good attendance, NHS Application & Interview, Hutch CC Application & References
- **Pathway:** Manufacturing - Welding
- **Course Fees:** \$200.00/year
- **Dual Credit Available:** Yes– 17.0 Hutch CC Credits
- **Clubs:** SkillsUSA

**Description:** Welding Technology 1 and 2 make up a two-year career preparatory program designed to place students directly into the welding industry. Students enroll concurrently as a Hutch CC (Tuition covered by Excel In CTE Funding) student to receive college credit and potentially earn a certificate. Students enroll Monday through Friday for 3 hours per day. This comprehensive welding program covers courses in both the theory and practical applications of Stick, Mig, Tig, oxyacetylene cutting, and shop safety. Related areas that a student will complete in welding include air carbon arc gouging, plasma arc cutting, safe use of manufacturing equipment, shop math, and metallurgy. Positive work behaviors such as regular attendance, leadership, teamwork and communication skills will be emphasized. These and other work skills will be accomplished through the student's participation in the SkillsUSA Student Organization. Seniors who enroll in Welding 1 have the option of completing their second year through Hutch CC (Newton Center). Students are expected to provide their own work clothing and personal tools (see equipment list).

## Welding Technology 2

- **Credit:** 4.0
- **Course Number(s):** 8311, 8312, 8313, 8314, 8315, 8316, 8317, 8318
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Welding Technology 1, NHS Application & Interview, Hutch CC Application & References
- **Pathway:** Manufacturing - Welding
- **Course Fees:** \$200.00/year
- **Dual Credit Available:** Yes– 15.0 Hutch CC Credits
- **Clubs:** SkillsUSA

**Description:** Welding Technology 2 meets Monday through Friday for 3 hours per day and covers courses in Gas Metal Arc Welding (MIG), Gas Tungsten Arc Welding (TIG), blueprint reading, plasma arc cutting, pulse Mig welding, Computer Numerical Control cutting machine techniques, Metallurgy, and robotic welding operations. Students will demonstrate shop safety, positive work behaviors, communication skills and employment skills. Students will also gain experience on live welding projects. Jr. and Sr. concurrent enrollment with Hutch CC (Tuition covered by Excel In CTE Funding) Qualifies for Math credit. Hutch CC college Courses include: Welding Blueprint Reading, Shielded Metal Arc Welding 2, Gas Metal Arc Welding 2, Gas Tungsten Arc Welding 2, Industrial Robotic Welding, and/or Flux Cored Arc Welding, Welding Inspection and Qualification.

# Media Design & Communications

## Introduction to Journalism

*\*Fine Arts Credit*

- **Credit:** 1.0
  - **Course Number(s):** 12011, 12012
  - **Grade Levels:** 9, 10, 11, 12
  - **Pre-Requisites:** None
  - **Pathway:** Media Design & Communications
  - **Course Fees:** None
  - **Dual Credit Available:** No
  - **Clubs:** News Magazine, Yearbook, Railer Productions
- Description:** This course promotes the development of the skill set needed today and in the future, including an overview of the field of journalism and mass communication. Students learn to be consumers of media and to understand news gathering and production. Students will also explore photography and the principles of design. This course includes instruction in basic news writing, reporting, editing, and discussion of legal and ethical issues. Additionally, it will teach the technical skills needed to work with the Adobe software and tools used in the industry. This class is the prerequisite for Digital Media Design Magazine/Yearbook and Audio/Video production fundamentals.

## Web Page Design

- **Credit:** 0.5
  - **Course Number(s):** 50703
  - **Grade Levels:** 10, 11, 12
  - **Pre-Requisites:** None
  - **Pathway:** Marketing, Media Design & Communications
  - **Course Fees:** None
  - **Dual Credit Available:** No
  - **Clubs:** E-Sports & BPA
- Description:** Web Page Design teaches students how to design web sites by introducing them to and refining their knowledge of site planning, page layout, graphic design, and the use of markup languages—such as Extensible Hypertext Markup, JavaScript, Dynamic HTML, and Document Object Model—to develop and maintain a web page. This course may also cover security and privacy issues, copyright infringement,

trademarks, and other legal issues relating to the use of the Internet. Advanced topics may include the use of forms and scripts for database access, transfer methods, and networking fundamentals.

## Audio/Video Production Fundamentals

*\*Fine Arts Credit*

- **Credit:** 1.0
  - **Course Number(s):** 12213, 12214
  - **Grade Levels:** 10, 11, 12
  - **Pre-Requisites:** Teacher Approval
  - **Pathway:** Media Design & Communications
  - **Course Fees:** None
  - **Dual Credit Available:** No
  - **Clubs:** Railer Productions
- Description:** Audio Video Production Fundamentals provides a basic understanding of producing video for a variety of uses. Topics include analyzing the pre-production, production and post-production process, as well as exploring the equipment and techniques used to develop a quality video production. Students will gain real world experience by covering school events, which will be featured on RailerNews website. Can be repeated for credit.

## Digital Media Design/Production

*\*Fine Arts Credit*

- **Credit:** 1.0
  - **Course Number(s):** 12211, 12212
  - **Grade Levels:** 9, 10, 11, 12
  - **Pre-Requisites:** Introduction to Journalism & Application
  - **Pathway:** Media Design & Communications
  - **Course Fees:** None
  - **Dual Credit Available:** No
  - **Clubs:** News Magazine & Yearbook
- Description:** This is a lab course in which students will create the school news magazine and produce online content OR create the school yearbook. This course will provide students with the opportunity to apply the

fundamental techniques learned in Intro to Journalism through the production of a multi-media project for public presentation. Topics include developing a production schedule, collaborating as a team, utilizing composition principles and embedding audio, video or other content in digital formats. Students taking this course must be self-directed and be able to work with others. Leadership, cooperation and high standards of achievement are essential in all staff members. This course may be repeated for credit.

## E-Sports & Gaming Concepts

- **Credit:** 1.0
  - **Course Number(s):** 50705, 50706
  - **Grade Levels:** 11, 12
  - **Pre-Requisites:** IT Essentials
  - **Pathway:** Media Design & Communications
  - **Course Fees:** None
  - **Dual Credit Available:** No
  - **Clubs:** E-Sports
- Description:** Game technologies represent the culmination of logic, sequence, tool utilization, and extension of skill. The programming process for this course will utilize all previously learned factors of programming logic, artistry, and interactivity. The project-based course allows students to view and create digital media through an E-Sports lens.

# Teaching & Training

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## Teaching as a Career

- **Credit:** 1.0
- **Course Number(s):** 86103, 86104
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Family Studies or Lifespan Development. Can be concurrently enrolled
- **Pathway:** Teaching & Training
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** Students with an interest in teaching as a career will learn about diverse learners and the different types of learners that teachers have in a classroom and how to teach to those students. They will learn different ways to enhance instruction in a classroom and have appropriate assessments and evaluations for students. Students will also learn the importance of physical space and climate for a classroom while focusing on actual teaching skills. It will be a great addition and help those students that are already participating in internships to expand their skills and knowledge of the teaching field.

# Vehicle Maintenance & Repair

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## Consumer Auto Care

*\*Not Offered 26-27*

- **Credit:** 0.5
- **Course Number(s):** 82007
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** None
- **Pathway:** Vehicle Maintenance & Repair
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** This course provides students with the opportunity to learn practical car maintenance skills. They will attain basic skills and knowledge needed to own and maintain a vehicle. The students will learn what to consider when buying a car, shopping for car insurance, acquiring a title, etc.

## Automotive Restoration

*\*Not Offered 26-27*

- **Credit:** 0.5
- **Course Number(s):** 82005
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** None
- **Pathway:** Vehicle Maintenance & Repair
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** SkillsUSA/VICA

**Description:** This course gives an overview of the transportation industry skills and career opportunities. Students will develop hands-on skills related to automotive collision repair, automotive restoration, and automotive technology. This course is recommended for students interested in a career in the automotive industry, and highly suggested to students interested in automotive restoration or collision repair.

## Automotive Technology 1

- **Credit:** 2.0
- **Course Number(s):** 82011, 82012, 82013, 82014
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** NHS Application & Interview, Hutch CC Application & References
- **Pathway:** Vehicle Maintenance & Repair
- **Course Fees:** None
- **Dual Credit Available:** Yes– 10.0 Hutch CC Credits
- **Clubs:** SkillsUSA/VICA

**Description:** Must enroll concurrently in 82011, 82012, 82013, and 82014. These classes also place students in enrollment at Hutch CC - Tuition covered by Excel In CTE Funding.

Courses 82011-82014 will prepare students with the following skills:

1. Shop safety and tool usage.
2. Perform base engine mechanical repair, testing and maintenance on various types of engines.
3. Inspect and diagnose various engine performance systems.
4. Knowledge of the basic electrical/electronic system and the equipment needed to diagnose and service the basic electrical systems.

# Vehicle Maintenance & Repair Cont....

## Automotive Technology 2

- **Credit:** 2.0
- **Course Number(s):** 82111, 82112, 82113, 82115
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Auto Tech 1 with a 70% or higher, NHS Application & Interview, Hutch CC Application & References
- **Pathway:** Vehicle Maintenance & Repair
- **Course Fees:** \$15
- **Dual Credit Available:** Yes– 9.0 Hutch CC Credits
- **Clubs:** SkillsUSA/VICA
- Description:** Must enroll concurrently in 82111, 82112, 82113, and 82114 These classes also place students in enrollment at Hutch CC - Tuition covered by Excel In CTE Funding.

Courses 82111-82114 will prepare students with the following skills:

1. Shop safety and tool usage
2. Inspection, diagnostics and servicing of steering and suspension systems; including checking and adjusting alignment.
3. Examination, identification and repair of braking systems; including the hydraulic and the anti-lock braking systems.
4. Comprehensive review and maintenance of drivetrain components.

With completion of Auto Tech 1 & Auto Tech 2 with a 70% or higher, students will earn a Certificate A in Automotive Technology.

## Automotive Technology 3 - Drivetrain Technology

*\*Not Offered 26-27*

- **Credit:** 1.0
- **Course Number(s):** 82151, 82152
- **Grade Levels:** 12
- **Pre-Requisites:** Auto Tech 1 & 2 with a 70% or higher (or concurrent enrollment in Auto Tech 2), NHS Application & Interview, Hutch CC Application & References
- **Pathway:** Vehicle Maintenance & Repair
- **Course Fees:** \$15
- **Dual Credit Available:** Yes– 4.0 Hutch CC Credits
- **Clubs:** SkillsUSA/VICA

**Description:** This is a comprehensive technical course designed to teach students the hands-on skills involved in maintenance, diagnosis, and repair of the drivetrain components including; transmissions, differentials, axles, and other components. This class will concentrate on lab activities and projects that will increase student understanding. This class also places students in enrollment at Hutch CC -- Tuition covered by Excel In CTE Funding.

## Automotive Technology 3 - Mobile HVAC

*\*Not Offered 26-27*

- **Credit:** 1.0
- **Course Number(s):** 82161, 82162
- **Grade Levels:** 12
- **Pre-Requisites:** Auto Tech 1 & 2 with a 70% or higher (or concurrent enrollment in Auto Tech 2), NHS Application & Interview, Hutch CC Application & References
- **Pathway:** Vehicle Maintenance & Repair
- **Course Fees:** \$15
- **Dual Credit Available:** Yes– 4.0 Hutch CC Credits
- **Clubs:** SkillsUSA/VICA

**Description:** This is a comprehensive technical course designed to provide students with the basic and advanced theory of operation, service, and repair of the heating, air conditioning, and vehicle cooling systems. This class will concentrate on lab activities and projects that will increase student understanding. This class also places students in enrollment at Hutch CC -- Tuition covered by Excel In CTE Funding.

# Special Programs

## Drones

- **Credit:** 0.5
- **Course Number(s):** 8197
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** Counselor Recommendation
- **Pathway:** None
- **Course Fees:** Hutch CC Tuition
- **Dual Credit Available:** Yes– 3.0 Hutch CC Credits
- **Clubs:** Skills/USA VICA

**Description:** Drones is a course that will set students up to pass the PART 107 - Small Unmanned Aircraft Systems test. Taught by certified pilots, the class will be conducted using Hutchinson Community College's Dragon Zone (similar to Newton School Canvas) and extensive hands-on training. Flights under the tutelage of the instructors will be conducted indoors and outside of the school campus on a daily basis. In addition, the class will also involve the use of video editing software skills and an understanding of basic marketing skills in order for students to have a solid grounding in today's competitive market. *Student responsible for Textbook Fee.*

## Fire Science 1 & 2

- **Credit:** 1.0
- **Course Number(s):** 80951, 80952
- **Grade Levels:** 11, 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** Yes– 8.0 Hutch CC Credits
- **Clubs:** None

### Description:

**FS 110 Firefighter 1:** Beginning course leading to Firefighter 1 certification, including emergency medical care, fire behavior, firefighting equipment and rescue and safety procedures. FS 150 Hazardous Materials Operations: The knowledge and skills first-responding firefighters and EMS personnel need to safely respond to routine and non-routine emergencies that may involve hazardous materials.

**FS113 Firefighter 2:** A follow-up course to FS110 Firefighter 1, leading to a Firefighter 2 certification, including fire behavior, firefighting equipment, rescue and safety procedures, fire department operations and management and emergency medical care. FS 151 Fire Ground Operations: This course covers basic fire ground operations, including live fire suppression, ventilation, and search and rescue.

CLOCK HOURS are mandated by the State Board, students CANNOT miss more than 10% of class time. *Student responsible for Textbook Fee.*

## Reality 101

- **Credit:** 0.5
- **Course Number(s):** 9195
- **Grade Levels:** 9, 10
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** An interdisciplinary curriculum that engages students in an interactive learning process, helping them develop financial literacy and successfully:

- Examine their own lives (Who am I?)
- Explore and evaluate a wide range of education and career options (What do I want?)
- Make reasoned and researched goals for their future (How do I get it?)

The course culminates with the students developing an individualized, online, 10-year plan that motivates them to envision a self-sufficient, productive life beyond high school, college or post-secondary training. This class is designed to develop students' skill sets to be successful in high school and beyond. The class covers social/emotional learning and soft skills development. A large focus will be on "How to Be Successful During and After High School".

## JAG 9/10

- **Credit:** 1.0
- **Course Number(s):** 75501, 75502
- **Grade Levels:** 9, 10
- **Pre-Requisites:** Teacher Approval
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** JAG-K (Jobs for America's Graduates – Kansas) is a career exploration and preparation program that provides a hands-on approach in exploring personal strengths and challenges as well as job attainment skills (cover letter, resume, job application, interviewing, etc.) and workplace "survival" skills (interpersonal relations, teamwork, etc.). Students will acquire valuable knowledge through Project-Based Learning and classroom instruction to enhance communication, life survival, organization, leadership and decision-making abilities. Students will participate in activities that help develop, practice, and refine skills needed for personal, academic, and career success. This full-year class involves individual assignments, team activities/projects, academic remediation support, service-learning opportunities, work-based learning, virtual and in-person guest speakers & field trips, community service, Employer Engagement, and career exploration through job shadowing and/or internship. This class provides a "Resiliency" environment where ALL students, no matter what their circumstances, can come to understand they are capable of extraordinary accomplishments.

## SPECIAL PROGRAMS (Cont)

### JAG 11/12

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- **Credit:** 1.0
- **Course Number(s):** 75507, 75508
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Teacher Approval
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** JAG-K (Jobs for America's Graduates – Kansas) is a career exploration and preparation program that provides a hands-on approach in exploring personal strengths and challenges as well as job attainment skills (cover letter, resume, job application, interviewing, etc.) and workplace "survival" skills (interpersonal relations, teamwork, etc.). Students will acquire valuable knowledge through Project-Based Learning and classroom instruction to enhance communication, life survival, organization, leadership and decision-making abilities. Students will participate in activities that help develop, practice, and refine skills needed for personal, academic, and career success. This full-year class involves individual assignments, team activities/projects, academic remediation support, service-learning opportunities, work-based learning, virtual and in-person guest speakers & field trips, community service, Employer Engagement, and career exploration through job shadowing and/or internship. This class provides a "Resiliency" environment where ALL students, no matter what their circumstances, can come to understand they are capable of extraordinary accomplishments.

### Teacher Aide

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- **Credit:** Pass/Fail
- **Course Number(s):** 67707, 67708
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Application, Teacher Approval
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** 1. Complete all duties assigned by your cooperating teacher. 2. Notify your cooperating teacher if you are planning to be absent. 3. Maintain confidentiality when working with sensitive materials or other students. 4. Demonstrate responsibility and follow all school rules when outside supervised areas.

### ELL

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- **Credit:** 1.0
- **Course Number(s):** 7501, 7502
- **Grade Levels:** 9, 10, 11, 12
- **Pre-Requisites:** None
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** The ELL course provides students with opportunities to develop confidence, competence, and fluency through practice in literacy skills for navigating modern American society. It emphasizes basic reading skills and allows for practice with decoding words, reading aloud with accuracy, expression, and comprehension, and introduces basic vocabulary based on real-world themes.

### Library Study Hall

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- **Credit:** No Class Credit
- **Course Number(s):** 7921, 7922
- **Grade Levels:** 10, 11, 12
- **Pre-Requisites:** Application, Counselor & Principal Approval
- **Pathway:** None
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** Students enrolled in a combination of three or more Dual Credit, Honors or Advanced Placement courses may apply to take a study hall for no credit in order to complete homework or research requirements. Class will be held in the library. Other circumstances may warrant a student to be approved for study hall. All students in study hall must be approved by their counselor and alpha principal. Students with behavior or attendance issues will be removed from this course and enrolled in a credit class.

# Workplace Experience

## Ag Academy Workplace Experience

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- **Credit:** 1.0
- **Course Number(s):** 8135, 8136
- **Grade Levels:** 12
- **Pre-Requisites:** 3 previous courses in an Ag Pathway, Application, Resume & Interview
- **Pathway:** Animal Science, Health and Related Industries, Ag Technology and Mechanical Systems, Diversified Ag Science, Plant Science and Industry Operation
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** Students in the Ag academy will be placed in one or more internships that match their career interests in their senior year. Students will attend the placement daily for two hours per day and ten hours per week. This is a work-based learning experience and completion of time logs, weekly reflections, meetings, and completion of a digital portfolio is required. Students must submit an application and resume. This course is the capstone for students in the Ag Career Academy and is the bedrock of the Academy. The desire to give students direct, real life job experiences on which to assess their possible future career is paramount to the success of our students and the Agricultural Career Academy. Skill areas to be reinforced and strengthened throughout the course include, written and oral communication, human relations, team work, decision making, problem solving, time and resource management, college and/or career planning. This course would serve as the final piece to the puzzle in guiding students to their future college and career plans.

## Architecture & Construction Workplace Experience

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- **Credit:** 0.5
- **Course Number(s):** 7958
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Woodworking 1 Principle, Application, Resume & Interview
- **Pathway:** Construction & Design
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** A work-based learning experience in the Construction field. Students will work with a placement that matches their career interest and will gain real world experience in this field. Students will experience problem solving and critical thinking skills in the workplace setting. This is a work-based learning experience and completion of time logs, weekly reflections, meetings, and completion of a digital portfolio is required. Students must submit an application and resume. Students will go through an interview process. Placement is based on open opportunities.

## Culinary Workplace Experience

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- **Credit:** 1.0
- **Course Number(s):** 85544, 85545
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Application, Resume & Interview
- **Pathway:** Restaurant & Event Management
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** This course applies the skills needed in the culinary arts profession. It includes the application of skills within a school-based, community-based experience or work-based internship. Students enrolled in this course are expected to learn and practice skills in the culinary field so that they can apply them in work-based experiences following industry standards and regulations

## Engineering Workplace Experience

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- **Credit:** 0.5
- **Course Number(s):** 7952
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Engineering Design, Civil Engineering & Architecture, Engineering, Application, Resume & Interview
- **Pathway:** Engineering & Applied Mathematics
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** A work-based learning experience in the fields of Engineering. Students will work with a placement that matches their career interest and will gain real world experience in this field. Students will experience problem solving and critical thinking skills in the workplace setting. This is a work-based learning experience and completion of time logs, weekly reflections, meetings, and completion of a digital portfolio is required. Students must submit an application and resume. Students will go through an interview process. Placement is based on open opportunities.

## Finance Workplace Experience

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- **Credit:** 0.5
- **Course Number(s):** 7953
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Accounting 1, Business Law or Entrepreneurship, Application, Resume & Interview
- **Pathway:** Business Finance
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** A work-based learning experience in the Finance field. Students will work with a placement that matches their career interest and will gain real world experience in this field. Students will experience problem solving and critical thinking skills in the workplace setting. This is a work-based learning experience and completion of time logs, weekly reflections,

## WORKPLACE EXPERIENCE (cont)

meetings, and completion of a digital portfolio is required. Students must submit an application and resume. Students will go through an interview process. Placement is based on open opportunities.

### Graphic Design Workplace Experience

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- **Credit:** 0.5
- **Course Number(s):** 7954
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Graphic Design, Web Design, Application, Resume & Interview
- **Pathway:** Media Design & Communications
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** A work-based learning experience in the Media Design & Communications Pathway. Students will work with a placement that matches their career interest and will gain real world experience in this field. Students will experience problem solving and critical thinking skills in the workplace setting. This is a work-based learning experience and completion of time logs, weekly reflections, meetings, and completion of a digital portfolio is required. Students must submit an application and resume. Students will go through an interview process. Placement is based on open opportunities.

### Health Science Workplace Experience

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- **Credit:** 1.0
- **Course Number(s):** 7955
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Intro To Healthcare, Anatomy and Physiology or Human Body Systems or Medical Terminology or Nutrition & Dietetics or Sports Medicine, Application, Resume & Interview
- **Pathway:** Health Science
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** A work-based learning experience in the Health Science Pathway. Students will work with a placement that matches their career interest and will gain real world experience in this field. Students will experience problem solving and critical thinking skills in the workplace setting. This is a work-based learning experience and completion of time logs, weekly reflections, meetings, and completion of a digital portfolio is required. Students must submit an application and resume. Students will go through an interview process. Placement is based on open opportunities.

### Human Services Workplace Experience

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- **Credit:** 0.5
- **Course Number(s):** 85543
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Family Studies or Lifespan Development, Application, Resume & Interview
- **Pathway:** Family, Community & Consumer Services
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** A work-based learning experience in the Health Science Pathway. Students will work with a placement that matches their career interest and will gain real world experience in this field. Students will experience problem solving and critical thinking skills in the workplace setting. This is a work-based learning experience and completion of time logs, weekly reflections, meetings, and completion of a digital portfolio is required. Students must submit an application and resume. Students will go through an interview process. Placement is based on open opportunities.

### Marketing Workplace Experience

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- **Credit:** 0.5
- **Course Number(s):** 7956
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Marketing or Entrepreneurship, Application, Resume & Interview
- **Pathway:** Marketing
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** A work-based learning experience in the field of Marketing. Students will work with a placement that matches their career interest and will gain real world experience in this field. Students will experience problem solving and critical thinking skills in the workplace setting. This is a work-based learning experience and completion of time logs, weekly reflections, meetings, and completion of a digital portfolio is required. Students must submit an application and resume. Students will go through an interview process. Placement is based on open opportunities.

## WORKPLACE EXPERIENCE (cont)

### Teaching Workplace Experience

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- **Credit:** 1.0
- **Course Number(s):** 86105, 86106
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Teaching as a Career, Application, Resume & Interview
- **Pathway:** Teaching and Training
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** This course prepares students to teach and guide others. These courses typically provide opportunities for students to develop their own teaching objectives, to design lesson plans, and to experience teaching in a controlled environment. Students examine and practice teaching strategies, learning styles, time management and planning strategies, presentation and questioning skills, classroom management, and evaluation techniques. This is a work-based learning experience and completion of time logs, weekly reflections, meetings, and completion of a digital portfolio is required. Students must submit an application and resume. Students must submit an application and resume. Students will go through an interview process.

### Telecom Workplace Experience

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- **Credit:** 0.5
- **Course Number(s):** 51387
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Network Systems 1 & 2, Application, Resume & Interview
- **Pathway:** Networking & Telecommunications
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** A work-based learning experience in a student matched career interest in the field of IT and or information and networking systems. Students will work with a placement that matches their career interest and will gain real world experience in this field. Students will experience problem solving and critical thinking skills in the workplace setting. This is a work-based learning experience and completion of time logs, weekly reflections, meetings, and completion of a digital portfolio is required. An additional layer to this course is that several research projects will be assigned throughout the semester for further exploration. Students must submit an application and resume. Students will go through an interview process. Placement is based on open opportunities.

### Transportation Workplace Experience

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- **Credit:** 0.5
- **Course Number(s):** 82133
- **Grade Levels:** 11, 12
- **Pre-Requisites:** Auto Technology 2, Application, Resume & Interview
- **Pathway:** Vehicle Maintenance & Repair
- **Course Fees:** None
- **Dual Credit Available:** No
- **Clubs:** None

**Description:** A work-based learning experience in a student matched career interest. Students will work with a placement that matches their career interest and will gain real world experience in this field. Students will experience problem solving and critical thinking skills in the workplace setting. This is a work-based learning experience and completion of time logs, weekly reflections, meetings, and completion of a digital portfolio is required. An additional layer to this course is that several research projects will be assigned throughout the semester for further exploration. Students must submit an application and resume. Students will go through an interview process. Placement is based on open opportunities.

# Dual Credit Courses

| NHS Course Number   | NHS Course Name  | Grd    | NHS Credits | College Credits      |
|---|--|--------|-------------|----------------------|
| 5033, 5034  | <b>Accounting 1</b>                                    | 10-12  | 1.0         | 3.0 - Hutch CC       |
| 5047, 5048  | <b>Advance Accounting 2</b>                            | 11, 12 | 1.0         | 3.0 - Flint Hills TC |
| BU145   | <b>Advertising</b>                                     | 12     | 0.5         | 3.0 - Hutch CC       |
| GO100 (In-Person at NHS),<br>7622 (Online)                | <b>American Government</b>                             | 11, 12 | 0.5         | 3.0 - Hutch CC       |
| 81531, 81532  | <b>Animal Science</b>                                  | 11, 12 | 1.0         | 3.0 - Hutch CC       |
| 82011 - 82014   | <b>Automotive Technology 1</b>                         | 10-12  | 2.0         | 10.0 - Hutch CC      |
| 82111 - 82113, 82115                                      | <b>Automotive Technology 2</b>                         | 11, 12 | 2.0         | 9.0 - Hutch CC       |
| 82151, 82152  | <b>Automotive Technology 3 - Drivetrain Technology</b> | 12     | 1.0         | 4.0 - Hutch CC       |
| 82161, 82162  | <b>Automotive Technology 3 - Mobile HVAC</b>           | 12     | 1.0         | 4.0 - Hutch CC       |
| 76503, 76504  | <b>CMA</b>   | 12     | 1.0         | 4.5 - Hutch CC       |
| 76501, 76502  | <b>CNA</b>   | 11, 12 | 1.0         | 4.5 - Hutch CC       |
| MA106 (In-Person at NHS),<br>7631 (Online)                | <b>College Algebra</b>                                 | 11, 12 | 0.5         | 3.0 - Hutch CC       |
| HI101 (In-Person at NHS),<br>7687 (Online)                | <b>College American History</b>                        | 11, 12 | 0.5         | 3.0 - Hutch CC       |
| PS100 (In-Person at NHS),<br>7623 (Online)                | <b>College General Psychology</b>                      | 11, 12 | 0.5         | 3.0 - Hutch CC       |
| 7621  | <b>College Macroeconomics</b>                          | 11, 12 | 0.5         | 3.0 - Hutch CC       |
| 81971   | <b>College Medical Terminology</b>                     | 10-12  | 0.5         | 3.0 - Hutch CC       |
| MA117 (In-Person at NHS),<br>7645 (Online)                | <b>Contemporary Math</b>                               | 11, 12 | 0.5         | 3.0 - Hutch CC       |
| 84507, 84508  | <b>Culinary Arts 1</b>                                 | 10-12  | 1.0         | 4.0 - Butler CC      |
| 8197  | <b>Drones</b>  | 10-12  | 0.5         | 3.0 - Hutch CC       |
| 82501-82508   | <b>Electrical Tech 1</b>                               | 11, 12 | 4.0         | 19.0 - Hutch CC      |
| 82511-82518   | <b>Electrical Tech 2</b>                               | 11, 12 | 4.0         | 18.0 - Hutch CC      |
| MA108 (In-Person at NHS),<br>7641 (Online)                | <b>Elements of Statistics</b>                          | 11, 12 | 0.5         | 3.0 - Hutch CC       |
| 80901 - 80904   | <b>EMT 1</b>   |        | 2.0         | 10.0 - Hutch CC      |
| EN 101, EN 102 (In-Person at NHS),<br>7611, 7612 (Online) | <b>English Composition 1 &amp; 2</b>                   | 11, 12 | 1.0         | 6.0 - Hutch CC       |
| 80951, 80952  | <b>Fire Science 1 &amp; 2</b>                          | 11, 12 | 1.0         | 8.0 - Hutch CC       |
| 7624 (Online)   | <b>Fundamentals of Sociology</b>                       | 11, 12 | 0.5         | 3.0 - Hutch CC       |
| 82521-82528   | <b>HVAC</b>  | 11, 12 | 4.0         | 13.0 - Hutch CC      |
| SH210   | <b>Interpersonal Communication</b>                     | 11, 12 | 0.5         | 3.0 - Hutch CC       |
| BU105   | <b>Introduction to Business</b>                        | 12     | 0.5         | 3.0 - Hutch CC       |
| 4453  | <b>Music Appreciation</b>                              | 10-12  | 0.5         | 3.0 - Hutch CC       |
| 82291 - 82298   | <b>Precision Machining &amp; CNC Fundamentals 1</b>    | 11, 12 | 4.0         | 14.0 - Hutch CC      |
| 82401 - 82408   | <b>Precision Machining &amp; CNC Fundamentals 2</b>    | 11, 12 | 4.0         | 16.0 - Hutch CC      |
| SH101 (In-Person at NHS),<br>7614 (Online)                | <b>Public Speaking</b>                                 | 11, 12 | 0.5         | 3.0 - Hutch CC       |
| 8301 - 8308   | <b>Welding Technology 1</b>                            | 11, 12 | 4.0         | 17.0 - Hutch CC      |
| 8311 - 8318   | <b>Welding Technology 2</b>                            | 11, 12 | 4.0         | 15.0 - Hutch CC      |
| 7021 - 7022   | <b>Woodworking 2/Carpentry 1</b>                       | 12     | 1.0         | 4.0 - Hutch CC       |

*\* Additional Elective courses may be available.  
Please see your Counselor for additional information.*

# Computer Based Learning Courses

## *English*

### **CBL - Language Arts 1 A & B**

→ **Credit:** 1.0

→ **Course Number(s):** 96161, 96162

→ **Edgenuity Equivalent:** KS - English Language Arts 9 A & B

**Description:** This course introduces concepts and develops abilities in the student's understanding of literature and the English language. There is an emphasis on skills in literature composition, grammar, and vocabulary. The course stresses paragraphs and short writings. A focus is to develop basic skills necessary to be successful in general English courses throughout high school.

### **CBL - Language Arts 2 A & B**

→ **Credit:** 1.0

→ **Course Number(s):** 96165, 96166

→ **Edgenuity Equivalent:** KS - English Language Arts 10 A & B

**Description:** This course deepens the student's understanding of literary types; short stories, novels, poetry, nonfiction and drama are studied through selected readings. In addition to understanding the literature, students will write in response to the literature, demonstrating composition skills. There is an emphasis on grammar and vocabulary.

### **CBL - Language Arts 3 A & B**

→ **Credit:** 1.0

→ **Course Number(s):** 96167, 96168

→ **Edgenuity Equivalent:** KS - English Language Arts 11 A & B

**Description:** This course emphasizes close reading and written analysis of themes in American Literature. Student comprehension of their assigned reading is assessed by writing and traditional examinations. Students are expected to construct written evidence of the results of their close reading and analysis of tests. Students will construct a written research project. Student writing skills are expected to demonstrate a level of competence consistent with the Kansas State Writing Assessment indicators and consistently score higher than two on any six-trait writing evaluation rubric.

### **CBL - Language Arts 4 A & B**

→ **Credit:** 1.0

→ **Course Number(s):** 96169, 96170

→ **Edgenuity Equivalent:** KS - English Language Arts 12 A & B

**Description:** This is a survey course designed to prepare students to be successful in their postsecondary plans. Areas of emphasis include the reading of both fiction and nonfiction literature and writing for academic as well as vocational purposes.

### **CBL - Honors English 2 A & B**

→ **Credit:** 1.0

→ **Course Number(s):** 96175, 96176

→ **Edgenuity Equivalent:** KS - Language Arts 10 Honors - ELA3010H A & B

**Description:** Honors English 2 has a stronger emphasis on and higher expectation for composition and vocabulary usage than General English II. Students will read literature selections of greater complexity. New grammar concepts are taught. The student must have a strong understanding of all concepts taught in English 1.

## *Mathematics*

### **CBL - Algebra 1 A & B**

→ **Credit:** 1.0

→ **Course Number(s):** 99681, 99682

→ **Edgenuity Equivalent:** KS - Algebra 1 A & B

**Description:** Algebra I courses include the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; and solving simple quadratic equations.

### **CBL - Prin of Alg/Geometry A & B**

→ **Credit:** 1.0

→ **Course Number(s):** 96115, 96116

→ **Edgenuity Equivalent:** KS - PAG A & B - Principles of Algebra & Geometry (Common Core Math I & IB)

**Description:** Enrollment in this course is based on teacher recommendation. This course combines the study of some pre-algebra and algebra topics with introductory geometry topics. Units of study include the study of formulas, algebraic expressions, first degree equations and inequalities, the rectangular coordinate system, area, perimeter, and volume of geometric figures, and properties of triangles and circles.

### **CBL - Geometry A & B**

→ **Credit:** 1.0

→ **Course Number(s):** 96721, 96722

→ **Edgenuity Equivalent:** KS - Geometry A & B

**Description:** Geometry courses, emphasizing an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system

### **CBL - Algebra 2 A & B**

→ **Credit:** 1.0

→ **Course Number(s):** 99703, 99704

→ **Edgenuity Equivalent:** KS - Algebra 2 A & B

**Description:** Algebra 2 course topics typically include field properties and theorems; set theory; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher degree equations; and operations with rational and irrational exponents

### **CBL - Probability & Statistics**

→ **Credit:** 1.0

→ **Course Number(s):** 99581, 99582

→ **Edgenuity Equivalent:** KS - Concepts in Probability & Statistics - MA3120 A & B - IC

**Description:** Probability and Statistics courses introduce the study of likely events and the analysis, interpretation, and presentation of quantitative

## CBL COURSES (cont)

data. Course topics generally include basic probability and statistics: discrete probability theory, odds and probabilities, probability trees, populations and samples, frequency tables, measures of central tendency, and presentation of data (including graphs). Course topics may also include normal distribution and measures of variability.

### CBL - Pre-Calc w/Trig

→ **Credit:** 1.0

→ **Course Number(s):** 3137, 3138

→ **Edgenuity Equivalent:** KS -

Common Core Precalculus - MA3112 A & B-IC

**Description:** Precalculus with Trigonometry is similar in scope and sequence to FST. This course will cover the same topics of the FST course, but in greater depth and at a faster pace. This is a good precursor to the AP Calculus course. Additional topics to be studied include trig identities, a more in depth study of polynomial functions, solving rational inequalities, absolute value inequalities, and an introduction to limits of functions.

### CBL - Honors Algebra 2 A & B

→ **Credit:** 1.0

→ **Course Number(s):** 96117, 96118

→ **Edgenuity Equivalent:** KS - Algebra 2 Honors - MA3111H A & B

**Description:** This course is similar in scope to Algebra 2. content and will be greater in depth. Multiple representations integrated with geometric concepts, statistical applications will be used. Greater emphasis will be placed on applications and multiple step problems. Students enrolled in this course should have strong mathematical and problem-solving skills.

### CBL - Honors Geometry A & B

→ **Credit:** 1.0

→ **Course Number(s):** 96723, 96724

→ **Edgenuity Equivalent:** KS -

Geometry Honors - MA3110H A & B

**Description:** Geometry courses, emphasizing an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures;

deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.

### CBL - AP Calculus A & B

→ **Credit:** 1.0

→ **Course Number(s):** 99837, 99838

→ **Edgenuity Equivalent:** KS - AP

Calculus AB

**Description:** This college-level, yearlong course prepares students for the Advanced Placement (AP) Calculus AB Exam. Major topics of study in this full-year course include a review of pre-calculus, limits, derivatives, definite integrals, mathematical modeling of differential equations, and the applications of these concepts. Emphasis is placed on the use of technology to solve problems and draw conclusions. The course utilizes a multi-representative approach to calculus with concepts and problems expressed numerically, graphically, verbally, and analytically.

### CBL - Trigonometry A & B

→ **Credit:** 1.0

→ **Course Number(s):** 99707, 99708

→ **Edgenuity Equivalent:** KS -

Trigonometry EX

**Description:** In this one-semester course, students use their geometry and algebra skills to begin their study of trigonometry. Students will be required to express understanding using qualitative, quantitative, algebraic, and graphing skills. This course begins with a quick overview of right-triangle relationships before introducing trigonometric functions and their applications. Students explore angles and radian measures, circular trigonometry, and the unit circle.

## Science

### CBL - Life Science A & B

→ **Credit:** 1.0

→ **Course Number(s):** 99711, 99712

→ **Edgenuity Equivalent:** KS - Life

Science - SC3206 A & B

**Description:** This full-year middle school course focuses on introducing students to the diversity of life found on our

planet. The course includes an overview of scientific principles and procedures, and leads students toward a clearer understanding of cells and heredity, the five kingdoms, human body systems, and ecology.

### CBL - Physical Science 1 A & B

→ **Credit:** 1.0

→ **Course Number(s):** 96131, 96132

→ **Edgenuity Equivalent:** KS - Physical Science A & B

**Description:** The course includes an overview of scientific principles and procedures and has students examine the chemical building blocks of our physical world and the composition of matter.

### CBL - Earth Science 1 A & B

→ **Credit:** 1.0

→ **Course Number(s):** 96135, 96136

→ **Edgenuity Equivalent:** KS - Earth & Space A & B

**Description:** This course explores the scope of Earth sciences, covering everything from basic structure and rock formation to the incredible and volatile forces that have shaped and changed our planet. As climate change and energy conservation become increasingly prevalent in the national discourse, it will be important for students to understand the concepts and causes of our changing Earth.

### CBL - Biology A & B

→ **Credit:** 1.0

→ **Course Number(s):** 96137, 96138

→ **Edgenuity Equivalent:** KS - Biology A & B

**Description:** Biology courses are designed to provide information regarding the fundamental concepts of life and life processes. These courses include (but are not restricted to) such topics as cell structure and function, general plant and animal physiology, genetics, and taxonomy.

### CBL - Environmental Science A & B

→ **Credit:** 1.0

→ **Course Number(s):** 96133, 96134

→ **Edgenuity Equivalent:** KS - Environmental Science A & B

**Description:** Students explore the field of environmental science studies, including ecology, terrestrial biomes, and human impact on the environment.

## CBL COURSES (cont)

### CBL - Chemistry A & B

- **Credit:** 1.0
- **Course Number(s):** 96191, 96192
- **Edgenuity Equivalent:** KS - Chemistry A & B
- Description:** Chemistry courses involve studying the composition, properties, and reactions of substances. These courses typically explore such concepts as the behaviors of solids, liquids, and gasses; acid/base and oxidation/reduction reactions; and atomic structure. Chemical formulas and equations and nuclear reactions are also studied.

### CBL - Physics 1 A & B

- **Credit:** 1.0
- **Course Number(s):** 96193, 96194
- **Edgenuity Equivalent:** KS - Physics A & B
- Description:** Physics seeks to describe and predict natural events. This course will discuss the basics in fields of physics such as kinematics, dynamics, electricity, and waves (both sound and light). Students in physics will learn how to think critically, in a scientific manner, about the physical environment. Problem solving skills are emphasized. Units are based around themes that help relate physics to real life situations.

### CBL - General Science 1 A & B

- **Credit:** 1.0
- **Course Number(s):** 99713, 99714
- **Edgenuity Equivalent:** None
- **Description:** General Science provides a third science credit to students who have successfully completed Life Science. This is an essential skills course that focuses on the standards in chemistry and physics, as well as topics relating to earth and space science. This course will not meet the Board of Regents Qualified Admissions Curriculum.

### CBL - Integrated Science 1 A & B

- **Credit:** 1.0
- **Course Number(s):** 96121, 96122
- **Edgenuity Equivalent:** None
- **Description:** The specific content

of Integrated Science courses varies, but they draw upon the principles of several scientific specialties—earth science, physical science, biology, chemistry, and physics—and organize the material around thematic units. Common themes covered include systems, models, energy, patterns, change, and constancy. These courses use appropriate aspects from each specialty to investigate applications of the theme.

### CBL - Integrated Science 2 A & B

- **Credit:** 1.0
- **Course Number(s):** 96123, 96124
- **Edgenuity Equivalent:** None
- **Description:** The specific content of Integrated Science courses varies, but they draw upon the principles of several scientific specialties—earth science, physical science, biology, chemistry, and physics—and organize the material around thematic units. Common themes covered include systems, models, energy, patterns, change, and constancy. These courses use appropriate aspects from each specialty to investigate applications of the theme.

### CBL - AP Biology A & B

- **Credit:** 1.0
- **Course Number(s):** 99839, 99840
- **Edgenuity Equivalent:** KS - AP Biology
- Description:** This yearlong, college-level course is designed to prepare students for the Advanced Placement (AP) Biology exam. Units of study include Biochemistry, Cells, Enzymes and Metabolism, Cell Communication and Cell Cycle, Gene Expression, Evolution and Genetic Diversity, and Ecology.

### CBL - Chemistry 2 A & B

- **Credit:** 1.0
- **Course Number(s):** 96197, 96198
- **Edgenuity Equivalent:** None
- Description:** Usually taken after a comprehensive initial study of chemistry, Chemistry—Advanced Studies courses cover chemical properties and interactions in more detail. Advanced chemistry topics include organic chemistry, thermodynamics, electrochemistry, macromolecules, kinetic theory, and nuclear chemistry.

## *Social Studies*

### CBL - US History Comp A & B

- **Credit:** 1.0
- **Course Number(s):** 96141, 96142
- **Edgenuity Equivalent:** KS - US History A & B
- Description:** U.S. History—Comprehensive courses provide students with an overview of the history of the United States, examining time periods from discovery or colonialism through World War II or after. These courses typically include a historical overview of political, military, scientific, and social developments. Course content may include a history of the North American peoples before European settlement.

### CBL - World History A & B

- **Credit:** 1.0
- **Course Number(s):** 96171, 96172
- **Edgenuity Equivalent:** KS - Modern World History A & B
- Description:** Modern World History courses provide an overview of the history of human society in the past few centuries—from the Renaissance period, or later, to the contemporary period—exploring political, economic, social, religious, military, scientific, and cultural developments.

### CBL - Honors World History A & B

- **Credit:** 1.0
- **Course Number(s):** 99842, 99843
- **Edgenuity Equivalent:** KS - Survey of World History Honors A & B
- Description:** This course covers the economic, political, civic, geographic, and cultural factors of this time period in more depth and at a faster pace than World History 1400 to Present course. More emphasis will be placed on primary source analysis and developing writing skills. This course is a good precursor to the Advanced Placement United States History Course.

### CBL - Psychology

- **Credit:** 0.5
- **Course Number(s):** 9965
- **Edgenuity Equivalent:** KS - Psychology - EL 2084
- Description:** Psychology courses introduce students to the study of

## CBL COURSES (cont)

individual human behavior. Course content typically includes (but is not limited to) an overview of the field of psychology, topics in human growth and development, personality and behavior.

### CBL - Sociology

→ **Credit:** 0.5

→ **Course Number(s):** 9964

→ **Edgenuity Equivalent:** KS - Sociology - EL1120

**Description:** Sociology courses introduce students to the study of human behavior in society. These courses provide an overview of sociology, generally including (but not limited to) topics such as social institutions and norms, socialization and social change, and the relationships among individuals and groups in society.

### CBL - World Geography

→ **Credit:** 0.5

→ **Course Number(s):** 9963

→ **Edgenuity Equivalent:** KS - World Geography (semester)

**Description:** Students will examine the relationships among people, places, and environments that result in patterns on the Earth's surface. Students will use the tools and methods of geography to study the principal regions of the world: the Americas, Europe and Eurasia, North Africa and the Middle East, Sub-Saharan Africa, and Asia.

### CBL - Government

→ **Credit:** 0.5

→ **Course Number(s):** 9606

→ **Edgenuity Equivalent:** KS - Government

**Description:** U.S. Government—Comprehensive courses provide an overview of the structure and functions of the U.S. government and political institutions and examine constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process. These courses may examine the structure and function of state and local governments and may cover certain economic and legal topics.

### CBL - Economics

→ **Credit:** 0.5

→ **Course Number(s):** 9608

→ **Edgenuity Equivalent:** KS - Economics

**Description:** This course invites students to broaden their understanding of how economic concepts apply to their everyday lives— including microeconomic and macroeconomic theory and the characteristics of mixed-market economies, the role of government in a free-enterprise system and the global economy.

### CBL - AP US History

→ **Credit:** 1.0

→ **Course Number(s):** 99834, 99835

→ **Edgenuity Equivalent:** KS - AP Psychology

**Description:** This course surveys the history of the United States from the settlement of the New World to modern times and prepares students for the AP United States History Exam. The course emphasizes themes such as national identity, economic transformation, immigration, politics, international relations, geography, and social and cultural change.

### CBL - AP Psychology

→ **Credit:** 0.5

→ **Course Number(s):** 96155, 96156

→ **Edgenuity Equivalent:** KS - AP Psychology

**Description:** AP Psychology will introduce students to the systematic study of the behavior and mental processes of human means and animals. Students are exposed to the psychological facts, principles, and phenomena associated with the major fields within psychology.

### CBL - AP Government

→ **Credit:** 0.5

→ **Course Number(s):** 99833

→ **Edgenuity Equivalent:** KS - AP United States Government & Politics

**Description:** Students will study the Constitutional underpinnings and structure of the United States government, issues of politics and political parties, and topics in civil rights and public policy, demonstrating their understanding and acquisition of skills through written work, project-based activities, and practice exams.

## Other Courses

### CBL - Speech

→ **Credit:** 0.5

→ **Course Number(s):** 9673

→ **Edgenuity Equivalent:** KS -

Introduction to Communications & Speech

**Description:** Beginning with an introduction that builds student understanding of the elements, principles, and characteristics of human communication, this course offers fascinating insight into verbal and nonverbal messages and cultural and gender differences in the areas of listening and responding.

### CBL - Finance

→ **Credit:** 0.5

→ **Course Number(s):** 9603

→ **Edgenuity Equivalent:** KS - Personal Finance

**Description:** Consumer Economics/Personal Finance courses provide students with an understanding of the concepts and principles involved in managing one's personal finances. Topics may include savings and investing, credit, insurance, taxes and social security.

### CBL - Fitness

→ **Credit:** 0.5

→ **Course Number(s):** 9602

→ **Edgenuity Equivalent:** KS - Lifetime Fitness (semester)

**Description:** Exploring fitness topics such as safe exercise and injury prevention, nutrition and weight management, consumer product evaluation, and stress management, this course equips high school students with the skills they need to achieve lifetime fitness.

### CBL - Health

→ **Credit:** 0.5

→ **Course Number(s):** 9601

→ **Edgenuity Equivalent:** KS - Contemporary Health (semester)

**Description:** Topics covered within Health Education courses may vary widely, but typically include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health issues.

\* *Additional Elective courses may be available. Please see your Counselor for additional information.*

# Special Education

## Speech

- **Credit:** 0.5
- **Course Number(s):** 9125
- **Grade Levels:** 9,10,11,12
- **Pre-Requisites:** IEP Assigned
- **Clubs:** None

**Description:** In a small class setting, students will learn to communicate effectively using verbal, written, and visual elements appropriately. Communication will be studied and time given for students to practice listening as well as speaking skills. Speeches given will include autobiographical, informative, and persuasive speeches. Speech organization, outlines, research, and delivery will be included. This class is for students who have an Individualized Education Plan and will meet the communication requirement for graduation.

## Multi-Level English

- **Credit:** 1.0
- **Course Number(s):** 90111, 90122
- **Grade Levels:** 9,10,11,12
- **Pre-Requisites:** IEP Assigned
- **Clubs:** None

**Description:** The course is designed to enhance student's reading, grammar, vocabulary, speaking, and writing abilities. This is done through reading various books, projects, and learning grammar mechanics. This class is designed for students with a 6th grade and below reading comprehension level, those who struggle with following multi-step directions, or those who need curriculum taught at a slower pace.

## English 9

- **Credit:** 1.0
- **Course Number(s):** 9005, 9006
- **Grade Levels:** 9
- **Pre-Requisites:** IEP Assigned
- **Clubs:** None

**Description:** English 9 is a course that meets part of the graduation requirements for ELA. This course will cover content addressed in the English Language Arts standards - reading, writing, and listening. English 9 has a modified curriculum for students that

read and/or write below grade level, but at or above 6th grade level. Students in this class typically benefit from a smaller classroom environment and need more intensive support. This course is by teacher recommendation only, and it should only be for students that have an individualized education plan.

## English 10

- **Credit:** 1.0
- **Course Number(s):** 9007, 9008
- **Grade Levels:** 10
- **Pre-Requisites:** IEP Assigned
- **Clubs:** None

**Description:** English 10 is a course that meets part of the graduation requirements for ELA. This course will cover content addressed in the English Language Arts standards - reading, writing, and listening. English 10 has a modified curriculum for students that read and/or write below grade level, but at or above 6th grade level. Students in this class typically benefit from a smaller classroom environment and need more intensive support. This course is by teacher recommendation only, and it should only be for students that have an individualized education plan.

## English 11

- **Credit:** 1.0
- **Course Number(s):** 9011, 9012
- **Grade Levels:** 11
- **Pre-Requisites:** IEP Assigned
- **Clubs:** None

**Description:** English 11 is a course that meets part of the graduation requirements for ELA. This course will cover content addressed in the English Language Arts standards - reading, writing, and listening. English 11 has a modified curriculum for students that read and/or write below grade level, but at or above 6th grade level. Students in this class typically benefit from a smaller classroom environment and need more intensive support. This course is by teacher recommendation only, and it should only be for students that have an individualized education plan.

## English 12

- **Credit:** 1.0
- **Course Number(s):** 9013, 9014
- **Grade Levels:** 12
- **Pre-Requisites:** IEP Assigned
- **Clubs:** None

**Description:** English 12 is a course that meets part of the graduation requirements for ELA. This course will cover content addressed in the English Language Arts standards - reading, writing, and listening. English 12 has a modified curriculum for students that read and/or write below grade level, but at or above 6th grade level. Students in this class typically benefit from a smaller classroom environment and need more intensive support. This course is by teacher recommendation only, and it should only be for students that have an individualized education plan.

## English

- **Credit:** 1.0
- **Course Number(s):** 9015, 9016
- **Grade Levels:** 9,10,11,12
- **Pre-Requisites:** IEP Assigned
- **Clubs:** None

**Description:** SCED English is a course that meets part of the graduation requirements for students in grades 9-12. The course curriculum is aligned with the English Language Arts Standards. This course typically has smaller class sizes and focuses on behavior and social/emotional development. This course is specifically for students in the Self-Contained Emotional Disability program. Students must be in the SCED program to be enrolled in this course.

## Consumer Math 1

- **Credit:** 1.0
- **Course Number(s):** 90181, 90182
- **Grade Levels:** 9,10,11,12
- **Pre-Requisites:** IEP Assigned
- **Clubs:** None

**Description:** Students are only eligible for this course if they have an Individualized Education Plan. This course covers elementary math and focusing on money, decimals, and understanding numbers. The course will focus on 2nd-grade math.

## SPECIAL EDUCATION (cont)

### Fundamental Math 1

- **Credit:** 1.0
- **Course Number(s):** 90811, 90812
- **Grade Levels:** 9,10,11,12
- **Pre-Requisites:** IEP Assigned
- **Clubs:** None

**Description:** Students are required to be on an IEP and must be identified as having a need for a special education math course. This class will be geared towards students with a 2nd-grade math level.

### Fundamental Math 2

- **Credit:** 1.0
- **Course Number(s):** 90813, 90814
- **Grade Levels:** 9,10,11,12
- **Pre-Requisites:** IEP Assigned
- **Clubs:** None

**Description:** Students are required to be on an IEP and must be identified as having a need for a special education math course. This class will be geared towards students with a 3rd-grade math level.

### Fundamental Math 3

- **Credit:** 1.0
- **Course Number(s):** 90815, 90816
- **Grade Levels:** 9,10,11,12
- **Pre-Requisites:** IEP Assigned
- **Clubs:** None

**Description:** Students are required to be on an IEP and must be identified as having a need for a special education math course. This class will be geared towards students with a 4th-grade math level.

### Pre-Algebra 1

- **Credit:** 1.0
- **Course Number(s):** 90821, 90822
- **Grade Levels:** 9,10,11,12
- **Pre-Requisites:** IEP Assigned
- **Clubs:** None

**Description:** This course focuses on progression from basic math concepts/operations to algebraic elements of variables, order of operations, symbols, and rules. The course content develops familiarity with, and ability to solve and apply, linear equations. The course also

includes introduction to basic geometry. The goal is to help students be better prepared to understand and appreciate the importance of math for their lives. Students are only eligible for this course if they have an Individualized Education Plan.

### Pre-Algebra 2

- **Credit:** 1.0
- **Course Number(s):** 90823, 90824
- **Grade Levels:** 9,10,11,12
- **Pre-Requisites:** IEP Assigned
- **Clubs:** None

**Description:** This class will continue to build on Pre-Algebra 1's focus on the basic components of algebra, on improving knowledge and use of math facts, expanding math fluency, and developing familiarity with concepts. Ideally it is an expansion of Pre-Algebra 1 to include broader applications, systems, and preparation for transition to gen ed math. Students are only eligible for this course if they have an Individualized Education Plan.

### Applied Math

- **Credit:** 1.0
- **Course Number(s):** 9065, 9066
- **Grade Levels:** 9,10,11,12
- **Pre-Requisites:** IEP Assigned
- **Clubs:** None

**Description:** SCED Applied Math is a course that meets part of the graduation requirements for students in grades 9-12. The course curriculum is aligned with the Math standards and is an applied math course that includes Pre-Algebra, Algebra and Consumer Math. This course typically has smaller class sizes and focuses on behavior and social/emotional development. This course is specifically for students in the Self-Contained Emotional Disability program. Students must be in the SCED program to be enrolled in this course.

### Science

- **Credit:** 1.0
- **Course Number(s):** 9031, 9032
- **Grade Levels:** 9,10,11,12
- **Pre-Requisites:** IEP Assigned
- **Clubs:** None

**Description:** This Science class meets the requirement for graduation,

providing students with a fundamental knowledge of science basics. The key concepts found in earth science, physical science, or life science may be covered. Topics will be rotated to ensure a well-rounded science experience for students. Students are only eligible for this course if they have an Individualized Education Plan. This course is designed for students with individual reading levels below grade level, those who have difficulty with multi-step instructions, or those who need a slower pace of instruction.

### Food Science

- **Credit:** 0.5
- **Course Number(s):** 90911, 90912
- **Grade Levels:** 9,10,11,12
- **Pre-Requisites:** IEP Assigned
- **Clubs:** None

**Description:** Food Science includes units studying the food science lab, chemistry fundamentals, the science of nutrition, the chemistry of food and the microbiology of food processing. Students are only eligible for this elective course if they have an Individualized Educational Plan.

### Science

- **Credit:** 1.0
- **Course Number(s):** 9035, 9036
- **Grade Levels:** 9,10,11,12
- **Pre-Requisites:** IEP Assigned
- **Clubs:** None

**Description:** SCED Science is a course that meets part of the graduation requirements for students in grades 9-12. Students must be in the SCED program to be enrolled in this course. The course curriculum is aligned with the Science standards and is a general science course that includes Life Science, Earth Science, Physical Science and Biology. This course typically has smaller class sizes and focuses on behavior and social/emotional development. This course is specifically for students in the Self-Contained Emotional Disability program.

### US History

- **Credit:** 1.0
- **Course Number(s):** 9045, 9046
- **Grade Levels:** 9,10,11,12
- **Pre-Requisites:** IEP Assigned
- **Clubs:** None

## SPECIAL EDUCATION (cont)

**Description:** SCED US History is a course that meets part of the graduation requirements for students in grade 11. The course curriculum is aligned with the Social Science Standards. This course typically has smaller class sizes and focuses on behavior and social/emotional development. This course is specifically for students in the Self-Contained Emotional Disability program. Students must be in the SCED program to be enrolled in this course. This course begins with the first Americans through terrorism in the US.

### US History

- **Credit:** 1.0
- **Course Number(s):** 9041, 9042
- **Grade Levels:** 11
- **Pre-Requisites:** IEP Assigned
- **Clubs:** None

**Description:** Students are only eligible for this course if they have an Individualized Education Plan. This course is designed for students who have difficulty following multi-step instructions or have an independent reading level below grade level or require a slower paced curriculum. The following periods of History will be studied: Course is split into 2 Semesters. The course will describe the growth of the United States from the 20th century until present. Events to be examined: Industrial Revolution, World War I, Roaring Twenties, Great Depression, World War II, Cold War, Civil Rights, Middle East Conflict.

### World History

- **Credit:** 1.0
- **Course Number(s):** 9047, 9048
- **Grade Levels:** 10
- **Pre-Requisites:** IEP Assigned
- **Clubs:** None

**Description:** SCED World History is a course that meets part of the graduation requirements for students in grade 10. The course curriculum is aligned with the Social Science Standards. This course typically has smaller class sizes and focuses on behavior and social/emotional development. This course is specifically for students in the Self-Contained Emotional Disability program. Students must be in the SCED program

to be enrolled in this course. This course begins with the start of civilization through terrorism around the world.

### World History

- **Credit:** 1.0
- **Course Number(s):** 9027, 9028
- **Grade Levels:** 10
- **Pre-Requisites:** IEP Assigned
- **Clubs:** None

**Description:** Students are only eligible for this course if they have an Individualized Education Plan. This course is designed for students who have difficulty following multi-step instructions or have an independent reading level below grade level or require a slower paced curriculum. The following periods of History will be studied: Renaissance, Reformation, Age of Exploration, Age of Absolutism, Industrial Revolution, Nationalism and Imperialism, World War I and II, the Cold War. Course is split into 2 Semesters.

### Government

- **Credit:** 0.5
- **Course Number(s):** 9050
- **Grade Levels:** 12
- **Pre-Requisites:** IEP Assigned
- **Clubs:** None

**Description:** Students are only eligible for this course if they have an Individualized Education Plan. This course is designed for students who have difficulty following multi-step instructions or have an independent reading level below grade level or require a slower paced curriculum. The student will learn about the role of the citizen in society, the principles of our Constitution, the structure and function of our government, the importance of human and civil rights, and state and local Government. Resources will include online videos, online text materials, and class discussions.

### Psychology

- **Credit:** 0.5
- **Course Number(s):** 9056
- **Grade Levels:** 12
- **Pre-Requisites:** IEP Assigned
- **Clubs:** None

**Description:** Students are only eligible for this course if they have an Individualized Education Plan. This course is designed for students who

have difficulty following multi-step instructions or have an independent reading level below grade level or require a slower paced curriculum. The course is designed to provide students with a study of the basic concepts, principles, and methods important to the study of psychology. The following units will be studied: Methods and Social Psychology, Brain, Sensation and Perception, Learning and Memory, and Development.

### Psychology

- **Credit:** 0.5
- **Course Number(s):** 90491
- **Grade Levels:** 12
- **Pre-Requisites:** IEP Assigned
- **Clubs:** None

**Description:** SCED Psychology a course that meets part of the graduation requirements for students in grade 12. The course curriculum is aligned with the Social Science Standards. This course typically has smaller class sizes and focuses on behavior and social/emotional development. This course is specifically for students in the Self-Contained Emotional Disability program. Students must be in the SCED program to be enrolled in this course.

### Government

- **Credit:** 0.5
- **Course Number(s):** 9055
- **Grade Levels:** 12
- **Pre-Requisites:** IEP Assigned
- **Clubs:** None

**Description:** SCED Government is a course that meets part of the graduation requirements for students in grade 12. The course curriculum is aligned with the Social Science Standards. This course typically has smaller class sizes and focuses on behavior and social/emotional development. This course is specifically for students in the Self-Contained Emotional Disability program. Students must be in the SCED program to be enrolled in this course.

*\* Additional elective and categorical Special Education courses are available. Please reach out to your student's case manager or the NHS Special Education Department Chair for more information.*