

CENTRAL CONSOLIDATED SCHOOL DISTRICT



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High School Course Catalog
A planning guide for graduation

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Welcome to Central Consolidated High Schools!

This guide will help you and your parents/guardians plan your school program here in Central Consolidated School District (CCSD). We urge you to be in the continual process of reviewing your career goals and making appropriate changes in your educational plans.

The CCSD graduation requirements are moderate enough that you will receive a well-balanced educational program with a chance to concentrate in a certain area such as math, science, technology, arts & crafts and technical & vocational.

Your counselor is available to help in planning a program of study; however, we urge you and your parents/guardians to discuss your educational goals and plan your high school career based upon those goals.

The following items should be considered in developing your program of study:

1. All students are required to enroll full-time. Seniors may qualify for work release.
2. Make sure your program of study meets all graduation requirements. If in doubt, see your counselor.
3. Make sure your program of study meets the entrance standards for your college of choice, for example community, technical, or university.
4. Make sure your program of study meets your career interests, needs, and capabilities.
5. One-half (.5) credit is earned for each class passed in a semester, except for Career and Technical Education (CTE) / Dual Credit Enrollment / Distance Education courses. See your counselor for more information (Career Prep HS operates on a 9-weeks quarterly basis that is equivalent to 1 semester).
6. You are allowed to make schedule changes during the first week of school. The second week will be changes that are initiated by recommendations from your teacher, parent/guardians, and counselor. After the 10th day of the semester you will not be allowed to change your schedule.
7. Fees are non-refundable.

GRADUATION REQUIREMENTS

You are required to have twenty-four (24) credits to graduate. Many of these credits/classes are mandatory by the New Mexico State Board of Education and must be passed before students are eligible for graduation. If you fail a required course, you can make it up in summer school, night school, online classes or through other approved credit recovery programs.

Graduation Requirements (from the New Mexico Public Education Department)

After 2009-2010, students entering grade 9 shall earn at least 1 credit as an advance placement, honors, dual credit or distance learning course.

COURSES	CREDITS
English	4
Mathematics (1 credit equal to or greater than Algebra 2)	4
Science (2 courses w/lab)	3
History/Social Studies	3.5
Physical Education	1
Career Cluster, Workplace Readiness, or Language (other than English)	1
Health	0.5
Electives	7.0
TOTAL CREDITS	24

New Mexico Diploma of Excellence

Beginning 2012-2013, a student shall not receive a diploma unless he/she demonstrates competence in math, reading, writing, science, and history through a standards-based exam or portfolio of standards-based indicators (established through rule by 1/15/2008).

Next Step Plan

The Next Step Plan shall include one or more of the following: Advanced Placement (AP) or honors course, dual credit course, or distance learning course (1 credit is required for graduation).

CCSD offers courses for dual credit in cooperation with San Juan College, Navajo Technical University, Institute of American Indian Art and is continuing to add more college partnerships.

CCSD also offers at least two years of a language other than English, Financial Literacy, Service Learning, Media Literacy, and Driver's Education in each high school. Some of these are only available through online resources at some of our high school campuses. See your counselor for more details.

CCSD GRADUATION REQUIREMENTS DETAIL (24 credits)

ENGLISH (4 CREDITS)		
English I	English I Honors	
English II	English II Honors	
English III	English III Honors	AP English Language & Composition (Grade 11)
English IV	English IV Honors	AP English Literature & Composition (Grade 12)

MATH (4 CREDITS)		
Intensified Algebra I & Algebra I		
Geometry	Geometry Honors	
Algebra II	Algebra II Honors	
Financial Literacy – Math		
Pre-Calculus	Pre – Calculus Honors	AP Calculus AB & AP Statistics
Trigonometry/Analytical Geometry		
Applied Math		

SCIENCE (3 CREDITS) (2 LAB CREDITS)		
Physical Science	Physical Science Honors	
Biology	Biology Honors	AP Biology
Chemistry	Chemistry Honors	AP Chemistry
Physics	Physics Honors	
Chemistry in the Community		
Anatomy/Physiology	Anatomy /Physiology Honors	
Earth Science		
Emergency Medical Technician	Wildlife Science	
Environmental Science	Environmental Science Honors	

HISTORY/SOCIAL STUDIES (3.5 CREDITS)	
New Mexico History (0.5 credit)	New Mexico History Honors (0.5 credit)
World History & Geography (1 credit)	AP World History & Geography (1 credit)
U. S. History/Geography (1 credit)	U. S. History/Geography Honors (1 credit)
U. S. Government (0.5 credit) & Economics (0.5 credit)	AP U. S. Government & Politics (1 credit)
AP US History (1 credit)	World History & Geography Honors (1 credit)

PHYSICAL EDUCATION (1 CREDITS)		
Physical Education	ROTC	Marching Band
Fitness and Conditioning	Weights	

LANGUAGE/CAREER CLUSTER/WORKPLACE READINESS (1 CREDIT)

HEALTH (0.5 CREDIT)

Electives (7 CREDITS)

1. Credit will be given only once for a course which is successfully completed. You will not be given credit for two or more courses of the same description.
2. Any high school student failing a required course has to make up that course in a manner approved by your counselor or administrator.
3. In order to receive a diploma and participate in the graduation ceremony from high school in CCSD, you must pass all sections of the *New Mexico Standards Based Assessment/High School Graduation Assessment* and complete all requirements for graduation.
4. Any student wishing to take an AP course must meet with the AP teacher and must have a letter of recommendation from previous teacher (*see your counselor and AP teacher or coordinator*).

Grade Point Average

Grade Point Average calculations will be the same for all students in CCSD. The Grade Point Average will be based on the weighted scale.

Honors and Dual Credit classes receive an extra 0.5 weighting and Advanced Placement classes an extra 1.0 weighting.

Honor Graduates

Honors classes provide students with a rigorous and relevant high school curriculum that prepares them to succeed in college and the workplace. These classes will be figured on a four-point GPA.

Honor Graduates will be the Top Ten-Percent (10%) of the graduating class at the end of the eight (8) semesters. To be considered as an Honor Graduate, you must have completed nine (9) Honors/AP classes. (*Students at NHS must take all of the Honors and AP classes that are offered*).

Valedictorian & Salutatorian Selection

The major consideration for selection of a high school valedictorian/salutatorian should be the factor which establishes the students with the two highest levels of academic performance. All students ranking in the upper three percent of their high school class will be evaluated for these honors. The overall weighted grade point average should be used for comparison of academic performance. The following convention should be used to identify the students who will be considered for a high school valedictorian/salutatorian:

1. Cumulative weighted GPA shall be determined at the end of the 1st semester of the senior year. The top ten seniors shall be ranked by weighted GPA and given the following point values:
1st: 30 points; 2nd: 27 points; 3rd: 24 points; 4th: 21 points; 5th: 18 points; 6th: 15 points;
7th: 12 points; 8th: 9 points; 9th: 6 points; 10th: 3 points (**60%**).

- a. Weighted GPA will be equal to the sum of the AP weighted grades (WG_{AP}) times the number of AP courses with that grade (n_{AP}), Honors/Dual Credit courses weighted grades (WG_{HDC}) times the number of Honors/Dual Credit courses with that grade (n_{HDC}), and regular weighted grades (WG_R) times the number of regular courses (n_R); then dividing by the total number of courses (n_{Ttl}). AP courses add 1 bonus point to the grade weight, whereas Honors/Dual Credit courses add 0.5 bonus points to the grade weight.

$$\text{Weighted GPA} = \frac{\sum(WG_{AP})(n_{AP}) + \sum(WG_{HDC})(n_{HDC}) + \sum(WG_R)(n_R)}{n_{Ttl}}$$

- b. In the event of a tie, the students involved will receive points based on the average of the points for the position for which they are tied and the next lower score(s), with the number of scores used depending on how many students are tied. For example, if three students tie for first place, they would each receive 9 points $((10+9+8)/3)$.
2. The number of advanced placement classes taken by each of the top ten GPA seniors shall be determined at mid-3rd quarter of the senior year, and the students will be ranked based on the number of advanced placement courses taken. The following point values will be awarded: 1st: 10 points; 2nd: 9 points; 3rd: 8 points; 4th: 7 points; 5th: 6 points; 6th: 5 points; 7th: 4 points; 8th: 3 points; 9th: 2 points; 10th: 1 point **(20%)**. In the event of a tie, the students involved will receive points based on the average of the points for the position for which they are tied and the next lower score(s), with the number of scores used depending on how many students are tied. For example, if three students tie for first place, they would each receive 9 points $((10+9+8)/3)$.
3. The top score on the ACT tests earned by the top 10 GPA seniors shall be determined at mid-3rd quarter of the senior year. Due to deadlines, the last ACT scores to be considered for this honor are those earned by December of the student's senior year. The following point values will be awarded: 1st: 10 points; 2nd: 9 points; 3rd: 8 points; 4th: 7 points; 5th: 6 points; 6th: 5 points; 7th: 4 points; 8th: 3 points; 9th: 2 points; 10th: 1 point **(20%)**. In the event of a tie, the students involved will receive points based on the average of the points for the position for which they are tied and the next lower score(s), with the number of scores used depending on how many students are tied. For example, if three students tie for first place, they would each receive 9 points $((10+9+8)/3)$.
4. The highest point total from the above three categories will determine the Valedictorian and the second highest point total from the above three categories will determine the Salutatorian.
5. In the event of a tie, the following factors will be considered by the appointed selection official:

- Availability to participate in commencement activities.
- Number and grade in Honors courses completed.
- Number of courses taken under the "Pass-Fail" grading option.
- Type and rigor of Dual Credit and Advanced Placement courses.
- Breadth of educational experience.

CCSD Graduation Exercises (Board Policy)

Participation

Graduation exercises will be held for students who have met state and local requirements for graduation from high school. A cap and gown, as determined by the District, are required for graduation.

Participation in high school commencement exercises is encouraged but is not compulsory. However, since these exercises require planning and rehearsals, the following rules shall apply:

- Students who wish to participate must be present at the rehearsals. Failure to do so, except for legitimate reasons for absence, may cause for excluding students from participating in the exercises.
- Students may not participate in the commencement exercises unless they have successfully completed the requirements for graduation and paid all fees, fines and charges due.

Student Transfers of Non-accredited or Home School Programs

The Central Consolidated School Board Policy Manual states:

005.402 Incoming Student Transfers

Students transferring into a district school from a non-accredited school or home school are subject to testing and evaluation by district personnel to determine the student's grade placement and credit status.

1. Scores on the standardized benchmark achievement test, age, ability to meet district subject matter competencies may be used to ensure proper placement.
2. A parent or student who wishes to appeal the decision of a grade placement may do so by following the "Complaints and Grievance Procedure" outline in board policy.
3. If credit is granted for classes taken at the previous non-accredited institution, this credit will be pass/fail.
4. The student will not be eligible to be considered for Valedictorian, Salutatorian, or Top Ten Percent of the Class.

Grade Classification

Grade classification is determined by the number of credits a student accumulates based on passing/failing grades for individual classes taken. Seniors (as well as their parents) will be notified at the beginning of the second semester if sufficient credits to graduate have not been earned. Grade reclassification only occurs once per year.

Credit Assignment

Credit Status	Class Status
0-5.5	Freshman
6-11.5	Sophomore
12-17.5	Junior
18 or more	Senior

College Entrance Requirements

You, as a student, should pursue strong academic programs by working with your counselor to develop realistic goals and plans. Below are a few important tips to keep in mind while working toward graduation:

1. Your High School Record – colleges carefully evaluate your grade-point average and class rank as well as the level of classes you’ve taken. Your GPA and rank are determined from your cumulative semester grades starting with your FIRST SEMESTER IN THE 9TH GRADE, ending with all classes in your senior year.
2. Your High School Courses – colleges want students that have exposed themselves to a wide range of classes and disciplines. Most require the following courses for entrance:

COURSE RECOMMENDATIONS FOR COLLEGE-BOUND STUDENTS		
English	4 credits	Grammar & Literature
Mathematics	4 credits	Algebra I, II & Geometry recommended (Engineering, Math & Science majors plans should include Algebra, Geometry, Pre-Calculus, Calculus, and Computer Programming)
Science	4 credits	Biology, Chemistry, Physics are recommended
History/Social Studies	4 credits	Government, Economics, U. S. History, World History, & New Mexico History / History Elective
Foreign Languages	2 credits	Check with the college of your choice
Fine Arts	1 credit	Music, Drama, and Art courses. Check with the college of your choice.

3. Your High School Extra-Curricular Activity– colleges look at your leadership qualities and extra- curricular activity record. They want well-rounded individuals who will fit the college setting.
4. Your Test Scores – the American College Test (ACT) or the Scholastic Aptitude Test (SAT) is required by most colleges for admission. It is recommended you take these for the f i r s t time, in the FALL OF YOUR JUNIOR YEAR. You can take these tests more than once to improve your scores.

Note: You will need to complete a Next Step Plan. This plan should assure you are meeting the minimum requirements needed for graduation. Each year you have the option to make changes to this plan. Your parents/guardians are encouraged to review the plan with you.

COURSE DESCRIPTIONS – REQUIRED

ENGLISH (4 CREDITS)		
English I	English I Honors	
English II	English II Honors	
English III	English III Honors	AP English Language & Composition (Grade 11)
English IV	English IV Honors	AP English Literature & Composition (Grade 12)

ENGLISH (4 CREDITS)

- 100140 **English/Language Arts I** – (MEETS ENGLISH REQUIREMENT) A program of study which involves the basic principles of English grammar, writing skills, reading comprehension, vocabulary expansion and literature.
- 100150 **English/Language Arts I Honors** – (MEETS ENGLISH REQUIREMENT) Course provides a rigorous academic level of instruction designed to prepare students for higher intellectual engagement. Students who take the class are expected to possess the necessary motivation to complete the prolific reading and writing assignments. **(KCHS, SHS, and NHS ONLY)**
- 100240 **English/Language Arts II** – (MEETS ENGLISH REQUIREMENT) The study of basic principles of English grammar, writing skills, reading comprehension, and vocabulary expansion, and literature.
- 100250 **English/Language Arts Honors II** – (MEETS ENGLISH REQUIREMENT). Honors English provides a rigorous academic level of instruction designed to prepare students for higher intellectual engagement. Students who take the class are expected to possess the necessary motivation to complete the prolific reading and writing assignments. **(KCHS, SHS, and NHS ONLY)**
- 100340 **English/Language Arts III** – (MEETS ENGLISH REQUIREMENT) American literature, vocabulary, composition, grammar, usage, outside readings, personal writings and research.
- 100350 **English/Language Arts III Honors** – (MEETS ENGLISH REQUIREMENT) Course provides a rigorous academic level of instruction designed to prepare students for higher intellectual engagement. Students who take the class are expected to possess the necessary motivation to complete the prolific reading and writing assignments **(KCHS, SHS & NHS ONLY)**
- 100440 **English/Language Arts IV** – (MEETS ENGLISH REQUIREMENT) Writing of personal, expository, and persuasive essays and one research paper. This course includes World literature, classical novels, mythology, short stories, and poetry. A notebook, study of vocabulary, and book reports are also required in this course.
- 100450 **English/Language Arts IV Honors** – Course provides a rigorous academic level of instruction designed to prepare students for higher intellectual engagement. Students who take the class are expected to possess the necessary motivation to complete the prolific reading and writing assignments.

- 101250 **AP English/Language and Composition (Grade 11)** – (MEETS ENGLISH REQUIREMENT)
Course is designed to parallel college level English courses, AP English Language and Composition courses expose students to prose written in a variety of periods, disciplines, and rhetorical contexts. **Contract required. (KCHS, SHS, and NHS ONLY)**
- 101350 **AP English/Literature and Composition (Grade 12)** – (MEETS ENGLISH REQUIREMENT)
Course is designed to parallel college level English courses, AP English Literature and Composition courses enable students to develop critical standards for evaluating literature. **Contract required. (KCHS, SHS, and NHS ONLY)**
- 104340 **Native American Literature – Elective - Grades 9 - 12** - Course provides student with the opportunity to read and discuss literature, which reflects, and was written by members of the Native American Nations (tribes) of North, Central, and South America. The course is approached from a historical and Native American perspective. Student compares and contrasts Native American Literature to literature of other cultures, and at the conclusion of the semester, will have a good understanding of the value and depth of Native American Literature. Student uses as many online resources as necessary, as many of the literature pieces have never been anthologized **(KCHS ONLY)**
- 107440 **Communication Skills/Career Education – (ELECTIVE CREDIT)** Course emphasizes writing, speaking and developing skills that will afford students success throughout school and post-high school years. **(SHS, CPHS, and NHS ONLY)**
- 106309-
106312 **English Language Arts ELD** - This course aligns with grade-level New Mexico Common Core State Standards (NMCCSS) for English Language Arts (ELA) and the current state-adopted English Language Development (ELD) Standards. This course is intended for English learners (ELs) whose English language proficiency level is nearing proficiency, as measured by the department-approved annual English language proficiency assessment. This course integrates grade-level ELA content with ELD using appropriate language supports based on the English language proficiency level of ELs. Teachers are required to have secondary licensure and be endorsed in ELA. In addition, teachers must have received specialized training in serving the needs of ELs (as required of districts in order to meet their obligations under civil rights law and other federal requirements). Course 1063 may be substituted for 1001, 1002, 1003 and 1004 to receive high school graduation credit, where applicable, if 1063 also meets all course requirements for 1001, 1002, 1003 or 1004. See course descriptions for 1001, 1002, 1003 or 1004 above for more information. Course 1063 may also be substituted for 1000 if it also satisfies all course requirements for 1000. This course may be repeated for credit. This course may also be used for ELs participating in a state-funded bilingual program. When 1063 is part of a state-funded bilingual program, the teacher must have a TESOL endorsement in addition to the ELA endorsement.

HISTORY/SOCIAL STUDIES (3.5 CREDITS)

New Mexico History (0.5 credit)	New Mexico History Honors (0.5 credit)
World History & Geography (1 credit)	AP World History & Geography (1 credit)
U. S. History/Geography (1 credit)	U. S. History/Geography Honors (1 credit)
U. S. Government (0.5 credit) & Economics (0.5 credit)	AP U. S. Government & Politics (1 credit)
AP US History (1 credit)	World History & Geography Honors (1 credit)

HISTORY/SOCIAL STUDIES (3.5 CREDITS)

- 270640 **World History and Geography** – Course covers major eras and important turning points in world history from the Enlightenment to the present. Students study the continents and major physical features of the world. **(Career Prep World History – 270641 and 270642)**
- 271741 **New Mexico History – (.5 credit – paired with History Elective or other Elective)** This survey course supports students to become more knowledgeable and aware of the historical, cultural, economic and political history of New Mexico and their geographical connections. Students will analyze the role that New Mexico plays in national and international arenas. The 9-12 Social Studies Content Standards, Benchmarks and Performance Standards should be included as appropriate to the course.
- 271940 **Native American Studies – (History Elective credit)** Course will examine the cultural growth and development of the indigenous North American peoples from Pre-Columbian times to the present day.
- 272050 **Hispanic Studies-** Course will focus on the rich contributions Hispanics and Hispanic culture have made to America and enable students to understand his/her connections to and place in the Latino experience. The use of art, literature, film discussion, personal experience, music and other elements of culture will be addressed.
- 272552 **AP U.S. History – (Grades 11 – 12)** - Course prepares students for the AP exam in U.S. history and provides students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States history. Students learn to assess historical materials, and to weigh the evidence and interpretations presented in historical scholarship.
The course examines time periods from discovery and settlement of the New World through the recent past. (Note: Districts asking to meet the United States History/Geography course requirement through this course include geography within the written and delivered curriculum in order to meet state graduation requirement. Included within this course is U.S. Geography to support geographical concepts as they relate to the understanding of the development of the U.S.) This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines.
- 272740 **Navajo Studies & Government – (History Elective credit)** History of the Southwestern United States with an emphasis on Navajo history, culture and government.
- 272940 **U.S. History/Geography** – Examines the history of the United States from the Civil War to the present time. Political, military, scientific, geography, and social development are included.
- 272950 **U.S. History/Geography Honors** – Accelerated instruction in U.S. History

- 273040 **U.S. Government Comprehensive – (.5 credit – paired with Economics)** Course provides an understanding of the ideals, rights and responsibilities of citizenship and understand the content and history of the founding documents of the United States including the New Mexico and United States Constitutions and how governments function at the local, state, tribal and national levels. In addition, 9-12 Social Studies Benchmarks and Performance Standards (History, Civics and Government, Economics and Geography) should be included as appropriate to the course.
- 273650 **AP U.S. Government & Politics** – Course prepares students for the AP exam in U.S. Government and Politics. These courses provide students with an analytical perspective on government and politics in the United States, involving both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. Cost of the exam is the student’s responsibility and taking the AP exam is part of the final grade. **Contract required. (KCHS and SHS ONLY)**
- 274140 **Economics – (.5 credit-paired with U.S. Government Comprehensive)** Course provides for an understanding of basic economic principles and use of economic reasoning skills to analyze the impact of economic systems (including the market economy) on individuals, families, businesses, communities, and governments.
- 275500 **AP World History - Grades 11 - 12** - The purpose of this course is to develop greater understanding of the evolution of global processes and contracts, in interaction with different types of human societies. Focused primarily on the past 1,000 years of global experience the course builds and understanding of cultural, institutional, and technological precedents that, along with geography, set the human state prior to 1000 C.E. (AP World History will not have to submit an alternative credit request but will need to include the geography component in the written and delivered curriculum in order to meet the graduation requirement.) This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines
- 276440 **Legal System – (History Elective)** Course examines the workings of the U.S. criminal and civil justice systems, including an understanding of civil and criminal law and the legal process, of the structure and procedures of courts, and the role of various legal or judicial agencies. Although emphasis is placed on the legal process, the history and foundation of U.S. law (Constitution, statutes, and precedents) may also be included. Content may also include contemporary problems in the criminal justice system. **(SHS ONLY)**
- 277350 **AP Psychology – Grades 11 – 12** – Course designed to parallel an introductory level psychology course. AP Psychology courses introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals, expose students to each of the major sub-fields within psychology, and enable students to examine the methods psychologists use in their science and practice. This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines **(SHS ONLY)**.
- 277840 **Topics in Anthropology – Grades 9 – 12** – Course examines a specific topic in anthropology, such as physical anthropology, cultural anthropology, or archaeology, rather than providing a more comprehensive overview of the field **(SHS ONLY)**.
- 2786 **Social Science Resource – (History Elective)** Course emphasizes the methods of social science research, including statistics and experimental design.

MATH (4 CREDITS)		
Intensified Algebra I & Algebra I		
Geometry	Geometry Honors	
Algebra II	Algebra II Honors	
Financial Literacy – Math		
Pre-Calculus	Pre – Calculus Honors	AP Calculus AB & AP Statistics
Trigonometry/Analytical Geometry		
Applied Math		

MATH (4 CREDITS)

- 202940 **Probability and Statistics** - This course aligns to the Probability and Statistics standards. Students are to apply and expand their understanding of Probability and Statistics in this course. The four critical areas include: (1) Interpreting categorical and quantitative data by: summarizing, representing, and interpreting data on a single count, measurement, two categorical or quantitative variables or linear models; (2) Making inferences and justifying conclusions by understanding and evaluating random processes underlying statistical experiments and making inferences and justifying conclusions from sample surveys, experiments and observations studies; (3) Applying conditional probability and the rules of probability by understanding independence and conditional probability and interpreting data and using the rules of probability to compute probabilities of compound events; (4) Applying probability to make decisions by calculating expected values and using them to solve problems and using probability to evaluate outcomes of decisions. The Standards for Mathematical Practice apply throughout this course and, together with the content standards, prescribe mathematics as a coherent, useful, and logical subject that makes sense of problem situations. **(SHS only)**
- 203130 **Intensified Algebra I** - This course aligns to the high school standards for Algebra I and formalizes and extends the mathematical concepts. The critical areas include: (1) relationships between quantities and reasoning with equations; (2) linear and exponential relationships; (3) descriptive statistics; (4) expressions and equations; and (5) quadratic functions and modeling. The Standards for Mathematical Practice apply throughout this course and, together with the content standards, prescribe mathematics as a coherent, useful, and logical subject that makes sense of problem situations.
- 203140 **Algebra I** – Algebra I is designed to provide the student with an opportunity to develop skills and acquire knowledge related to beginning algebra. The critical areas include: (1) relationships between quantities and reasoning with equations; (2) linear and exponential relationships; (3) descriptive statistics; (4) expressions and equations; and (5) quadratic functions and modeling. The Standards for Mathematical Practice apply throughout this course and, together with the content standards, prescribe mathematics as a coherent, useful, and logical subject that makes sense of problem situations
- 203440 **Geometry** – This course is emphasizing an abstract, formal approach to the study of geometry, 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; rules of congruence, similarity, parallelism, and perpendicularity; and rules of angle measurement in triangles, including trigonometry, coordinate geometry, and transformational geometry. Review topics: basic measurement, perimeter, area, and volume, and inductive methods of reasoning. Enhancement topics: topology, locus, and non-Euclidean geometries.

- 203450 **Geometry Honors** – Course emphasizing an abstract, formal approach to the study of geometry, 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; rules of congruence, similarity, parallelism, and perpendicularity; and rules of angle measurement in triangles, including trigonometry, coordinate geometry, and transformational geometry. Review topics: basic measurement, perimeter, area, and volume, and inductive methods of reasoning. Enhancement topics: topology, locus, and non-Euclidean geometries. **(KCHS and NHS ONLY)**
- 204140 **Algebra II** – Course topics 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; operations involving real numbers, evaluating rational algebraic expressions, solving and graphing first degree equations and inequalities, operations with and factoring of polynomials, and solving simple quadratics. Enhancement topics: the complex number system; polynomial, logarithmic, and exponential functions, relations, and their graphs; conic sections; elementary probability and statistics; matrices and determinants; sequences; and series. **(CPHS Algebra II- 204141 and 204142 Sem. 1 & 2)**
- 204150 **Algebra II Honors** – A more mathematically in-depth look at the material covered in Algebra II and will include additional topics. Course topics 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. Review topics: operations involving real numbers, evaluating rational algebraic expressions, solving and graphing first degree equations and inequalities, operations with and factoring of polynomials, and solving simple quadratics. Enhancement topics: the complex number system; polynomial, logarithmic, and exponential functions, relations, and their graphs; conic sections; elementary probability and statistics; matrices and determinants; sequences; and series. **(KCHS and SHS ONLY)**
- 204840 **Trigonometry/Analytic Geometry** – Course aligns to the geometry standards and is higher than the level of Algebra II. This course prepares students for eventual work in Calculus. Topics include the study of right trigonometric and circular functions, inverses, and graphs; trigonometric identities and equations; solutions of right and oblique triangles; complex numbers; numerical tables; vectors; the polar coordinate system; equations and graphs of conic sections; rotations and transformations; and parametric equations. **(KCHS and SHS ONLY)**

- 205341 **Pre-Calculus - Grades 10 - 12** – This course is higher than the level of Algebra II. Course combines the study of Trigonometry, Elementary Functions, Analytic Geometry, and Math Analysis topics as preparation for calculus. Topics include the study of complex numbers; polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; vectors; the polar coordinate system; conic sections; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity. Review topics: structure of the real number system, solutions of linear and quadratic equations and systems of these equations. Enhancement topics: elementary probability and statistics, derivatives, and integrals.
- 205350 **Pre-Calculus Honors** – This course is higher than the level of Algebra II. Course combines the study of Trigonometry, Elementary Functions, Analytic Geometry, and Math Analysis topics as preparation for calculus. Topics include the study of complex numbers; polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; vectors; the polar coordinate system; conic sections; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity. Review topics: structure of the real number system, solutions of linear and quadratic equations and systems of these equations. Enhancement topics: elementary probability and statistics, derivatives, and integrals.
- 205850 **AP Calculus AB** – Provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications. These courses introduce calculus and include the following topics: elementary functions; properties of functions and their graphs; limits and continuity; differential calculus (including definition of the derivative, derivative formulas, theorems about derivatives, geometric applications, optimization problems, and rate of change problems); and integral calculus (including anti-derivatives and the definite integral). This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines. **Contract required.**
- 206050 **AP Statistics** – Introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data (observing patterns and departures from patterns), planning a study (deciding what and how to measure), anticipating patterns (producing models using probability theory and simulation), and statistical inference (confirming models). This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines. **Contract required. (KCHS and SHS ONLY)**
- 209740 **Financial Literacy – Math** Course provides an understanding of the concepts and principles involved in managing one’s personal finances. Topics may include saving and investing, credit and debt, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection. An overview of the American economy may be provided. This course would fulfill the requirement as the required elective for Financial Literacy passed in the 2007 legislative session.

SCIENCE (3 CREDITS) (2 LAB CREDITS)		
Physical Science	Physical Science Honors	
Biology	Biology Honors	AP Biology
Chemistry	Chemistry Honors	AP Chemistry
Chemistry in the Community		
Physics	Physics Honors	
Anatomy/Physiology	Anatomy /Physiology Honors	
Earth Science		
Environmental Science	Environmental Science Honors	
Wildlife Sciences		
Emergency Medical Technician	Wildlife Science	

SCIENCE (3 CREDITS) (2 LAB CREDITS)

- 170140 **Earth Science** – Course offers insight into the environment on earth and the earth’s environment in space. While teaching the concepts and principles essential to an understanding of the dynamics and history of the earth, the following topics may be explored: oceanography, geology, astronomy, meteorology and geography. **(KCHS, SHS, and NHS ONLY)**
- 170340 **Physical Science** – Course involves the study of the structures and states of matter. Typically (but not always) an introductory survey course, topics covered may include forms of energy, wave phenomenon, electromagnetism, and physical and chemical interactions. **(KCHS, SHS, and NHS ONLY)**
- 171140 **Biology** – The course is designed to help students develop a basic concept of modern biology and an understanding of the scientific process. The facts, principles and concepts of biology are covered and supported by experimental laboratory exercises. **(Meets Lab Science Requirement) (CPHS Biology – 171141 and 171142 Sem. 1 & 2)**
- 171150 **Biology Honors** – The course provides an opportunity for students to acquire knowledge of modern biology needed to prepare them to perform at rigorous academic levels.
Course content reflects topics, concepts, and skills required for success in AP Biology and freshman college-level Biology courses. **(Meets Lab Science Requirement)**
- 171340 **Anatomy/Physiology** - Usually taken after Biology-First Year courses, Anatomy and Physiology courses present the human body and biological systems in more detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous, and so on), and may dissect mammals. **(Meets Lab Science Requirement)**

- 171350 **Anatomy/Physiology Honors** – This is an intermediate course intended for college-bound students that have an interest in pursuing a career in the Medical or Health Care related fields. Focus will be on the rigorous study of the structures and functions of the human body. Topics covered include; Anatomical Terminology, Cells, Tissues, and investigation of the functional systems of the body (Integumentary, Skeletal, Muscular, Nervous, Endocrine, Cardiovascular, Lymphatic, Respiratory, Digestive, Urinary and Reproductive). **(Prerequisite at KCHS: passed Biology or Honors Biology with a B or better) (Meets lab science requirement).**
- 172140 **Chemistry** – Students utilize scientific methods to collect, analyze, and interpret data and communicate the results of scientific investigations involving the composition, structure, and properties of matter and the changes it undergoes. (Meets Lab Science Requirement) **(Prerequisite: Algebra I)**
- 172150 **Chemistry Honors** – The course is designed to prepare students for an Advanced Placement Chemistry course in high school or a freshman Chemistry course in college by investigating the composition, structure, and properties of matter and the changes it undergoes. Topics are studied in more detail than in regular Chemistry and are supported by additional laboratory investigations. (Meets Lab Science Requirement) **(Prerequisite: Algebra I) (KCHS, SHS, and NHS ONLY)** (Meets lab science requirement).
- 172240 **Chemistry in the Community – Grades 9 – 12** – Course developed by the American Chemical Society, Chemistry in the Community is an interdisciplinary chemistry course designed for students who desire an understanding of chemical concepts and applications but who do not plan to pursue science-based careers **(CPHS ONLY).**
- 172550 **AP Chemistry** – The course is designed to be the equivalent of a first-year college-level General Chemistry course. Topics are studied through lecture and discussion and are supported by laboratory experiences. *Paired with Life and Science Independent Study.* (Lab fee) **Contract required. (KCHS and SHS ONLY) (Meets lab science requirement).**
- 173140 **Physics** - Course involves the study of the forces and laws of nature affecting matter: equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics includes examination of sound, light, magnetic, and electric phenomenon **(meets lab science requirement).**
- 173150 **Physics Honors** – Course involves the study of the forces and laws of nature affecting matter: equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics includes examination of sound, light, magnetic, and electric phenomenon. (Meets Lab Science Requirement) **(Lab fee) (Prerequisites: Algebra II or Geometry) (Prerequisite at KCHS: passed Algebra II with a C or better) (KCHS and NHS ONLY)**
- 177110 **Wildlife Science** – This course focuses on the study, conservation, interactions, and use of terrestrial and aquatic ecosystems. The introduction to wildlife science provides a broad understanding of animal biology, populations, habitats, biodiversity, and human-wildlife interactions. There is a laboratory component to this course. **Prerequisite: Introductory Biology NM 9-12 Science Standards: Strand I, Standard I (Benchmarks I, II, III). Strand II, Standard II (Benchmarks I, III), Standard III (Benchmark II). Strand III, Standard I (Benchmark I) (KCHS ONLY)**

COURSE DESCRIPTIONS – ELECTIVES

AGRICULTURAL & INDUSTRIAL

Note: Lab fees vary and are to be paid in 1st week of class. No refunds.

- 013340 **Introduction to the Science of Agriculture** – An introductory course in the basics of agriculture and farm mechanics. **(KCHS and SHS ONLY)**
- 014340 **Greenhouse/Nursery Operations** – This course covers greenhouse/nursery operation and management. Plant propagation including grafting, budding, and layering. Students are often involved in the planning, management, and marketing associated with the school greenhouse/nursery. **(NHS only)**
- 013740 **Agricultural Leadership/Communication** – Emphasis placed on leadership development, agricultural business with supervised farming and work experience. **(KCHS and SHS ONLY)**
- 015140 **Introduction to Agricultural Mechanics** – This course deals primarily with welding and project construction. **(Yr = 1 credit) NCCER Core Curriculum and Welding L 1 (KCHS and SHS ONLY)**
- 015240 **Agricultural Structures and Construction** – Topics include surveying, concrete and masonry, plumbing, drafting, carpentry and electrical wiring; use of bids and billing information to develop a complete materials list and project cost estimate; use of measurement and layout tools. Procedures for safe operations in the agricultural mechanics laboratory are included in this course. **(KCHS and SHS ONLY)**
- 015340 **Metal Fabrication for Agriculture I: NCCER Welding Level 1 – 2** – This course emphasis project construction using welding, woodworking and electrical wiring depending on facilities and equipment. Does not meet the graduation requirement for communication. **(Prerequisite: Intro. to Agriculture Mechanics) (KCHS and SHS ONLY)**
- 015341 **Metal Fabrication for Agriculture II: NCCER Welding Level 2 – 3**
- 015342 **Metal Fabrication for Agriculture III: NCCER Welding Level 3 – 4**
- 01540
01541 **Agricultural Power and Machinery** – This course emphasis project construction using welding, wood working and electrical wiring. **(SHS 1 credit) (KCHS .5 credit)**
- 016140 **Science of Large Agricultural Animals** – Course imparts information about the care and management of domesticated animals. Animal nutrition, health, reproduction, genetics, facilities, and marketing are all possible topics; Study of anatomy and physiology of livestock and other domesticated animals. Examination of developmental stages and analysis of feed ration for different parts of an animal’s life cycle. Identification of environmental factors that affect an animal’s performance, and recognition of animal behaviors to facilitate working with animals safely. **(KCHS ONLY)**

- 19240 **Agricultural Entrepreneurship** – Through this course the student will gain knowledge in the development of a business enterprise. Financial and resource management is an important aspect of this course. Classroom experience may involve further study in the field, improvement of responsibility and career readiness skills. **(KCHS ONLY)**
- 040240 **Construction** – The class covers a core curriculum of skills necessary for Industry. It offers a nationally recognized certification (NCCER) in basic safety, construction math, hand and power tools, drawing, rigging, communication skills, employability skills and materials handling. Future prerequisite for Energy Power course. **Industrial Maintenance Program NCCER Core Curriculum (NTC Dual Credit course) (SHS ONLY)**
- 041740 **Woodworking I** – Courses introduce students to various kinds of woods used in industry and offer experience in using selected woodworking tools. Student’s design and construct one or more projects and may prepare a bill of materials. Correct and safe use of tools and equipment is emphasized. As students advance within Woodworking classes, they focus on learning the nomenclature of power tools, developing skills to safely use these tools in the workshop and becoming familiar with various kinds of wood finishing materials. Advanced students typically design a project; prepare bills of materials, construct and finish proposed projects. **NCCER Core Curriculum (KCHS, SHS, and NHS ONLY)**
- 041741(II)
041742(III)
041743(IV) **Woodworking, Advanced** – Continuation of skills with an emphasis on advance techniques in wood working. **(KCHS, SHS and NHS ONLY)**
- 070740 **AutoCAD/Drafting I – (1 credit)** Students will be introduced to the AutoCAD software using basic commands such as lines, circle, erase and dimensioning. **(NHS ONLY)**
- 070741 **CAD Design & Software – (1 credit)** Students work with AutoCAD software applications used adding features such as snaps, layers and modify. Folders created in the first course will be expanded. **(KCHS and NHS ONLY)**
- 070742 **AutoCAD/Drafting II– (1 credit)** Student must have had CAD Design & Software prior to this class. Advanced features such as rendering, solids, solids editing, surface and shades. Students will continue with their folder development. **(NHS ONLY)**
- 070743 **AutoCAD/Drafting III – (1 credit)** Student must have had AutoCAD I and II prior to this class. Advanced features such as rendering, solids, solids editing, surface and shades. Students will continue with their folder development. **(NHS ONLY)**

BUSINESS

- 020440 **Keyboarding** – The class is for the student who *has not* had keyboarding or who feels that a review of basic keyboarding skills is needed and/or wants to improve their speed and accuracy. The students will learn how to properly produce letters, memos, tables and reports necessary for success in school and work as well as increasing their problem solving skills. **(KCHS ONLY)**
- 020740 **Accounting I** – The course introduces accounting principles that are used in keeping financial records of a business which includes payroll, taxes, debts, depreciation, ledger and journal techniques and periodic adjustments. **(KCHS and SHS ONLY).**
- 021040 **Advanced Accounting (Accounting II)** – This course is designed for the student who wants a career in the field of accounting or some phase of business administration. **(KCHS and SHS ONLY)**
- 021240 **Cost Accounting (Accounting III)** – Advanced course in accounting and business administration. **(KCHS ONLY)**
- 022140 **Introductory Business** – Students learn to manage budgets, pay debts, purchase insurance, and look at making responsible financial decisions and designed to give students an understanding of the US legal system, the law of contracts, credit laws and laws that affect everyday life purchases. **(SHS ONLY)**
- 022840 **Personal and Business Finance** – This course covers fundamental concepts of personal financial management to include insurance, budgeting, credit, savings, investments, home financing, retirement and estate planning, banking and consumer debt management. **(KCHS ONLY)**
- 023040 **Consumer/Business Math** – This course covers mathematical applications that reinforce general math topics, such as arithmetic using rational numbers, measurement and basic statistics. Consumer applications may include personal and business budgeting, taxation, credit, banking services, insurance, buying and selling products and services, home and/or car ownership and rental, managing personal income and investment. **(CPHS ONLY)**

COMPUTER & TECHNOLOGY

- 027640 **Web Page Design – (Grades 10-12)** This class focuses on creating/updating web pages for both the school site and general pages by focusing on web design and graphic manipulation. Students will learn web design and computer graphics using Adobe software. **(Prerequisite at KCHS: Intro to Computer/Science Programming) (KCHS and SHS ONLY)**
- 027641 **Web Page Design II – (Grades 11-12)** This class will continue working on the school web site, other web pages, advanced design website projects and advanced computer applications using Adobe software. **(Prerequisite: Web Page Design) (KCHS and SHS ONLY)**
- 027673 **Web Design III –** Students will mentor peers in Web I & II, work on the school website, as well as advanced design website projects by incorporating additional Adobe software into web pages: Photoshop, Premiere, After Effects, Soundbooth, and Encore. **(Prerequisite: Web Page Design I & II) (KCHS and SHS ONLY)**
- 030240 **General Computer Applications –** Designed for students with an interest in exploring the uses of the personal computer. General computer applications course provides experience using Microsoft Office applications. Student will create several hands on projects including Internet usage and IC3 Certification preparation. **(KCHS and SHS ONLY)**
- 030340 **Business Computer Applications –** The course provides experience in the proper use of Word, Excel, PowerPoint and Access with exercises and problems related to the business world. **(KCHS and SHS ONLY)**
- 031540 **Computer Graphics – (Grades 10-12)** This course provides students with the opportunity to explore the capability of the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising and image retouching. Students will use Adobe Photoshop to learn desktop publishing basic to advanced concepts. **(KCHS and SHS ONLY)**
- 032340 **Computer Science/Programming –** Emphasis placed on HTML code and programming with Alice programming language. Students will be exposed to other programming-related activities. **(Prerequisite: Algebra I and be enrolled in a math course) (KCHS ONLY)**
- 033640 **AP Computer Science Principles –** Introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. With a unique focus on creative problem solving and real-world applications, AP Computer Science Principles prepares students for college and career. This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines.

- 160341 **Career Exploration – (.5 credit)** Course helps students identify and evaluate personal goals, priorities, aptitude and interests in the pursuit of effective career decision-making. Career Exploration courses expose students to various sources of information on career and training options and may also enable students to understand the implications of technological and economic changes on the labor market. These courses may also include the development of job search and employability skills. **(CPHS ONLY)**
- 160440 **Employability Skills** – Like Career Explorations courses, Employability Skills courses also help students match their interests and aptitudes to career options. However, the focus of Employability Skills courses is placed on sources of employment information, job seeking and interview techniques, applications and resumes and the skills needed to remain and the advance within the workplace. **(KCHS and CPHS ONLY)**
- 162640 **Tech Lab** – A technology lab exposing students to new technologies that affect our society. **(SHS and NHS ONLY)**

FAMILY & CONSUMER SCIENCE

- 050440 **Nutrition** – Nutrition is a year course and it includes diet, food safety and consumerism. Basic foods, the second half of nutrition involves Safety and Food Sanitation skills, some labs and food science principles.
- 050540 **Child Development** – Child development concentrates on learning techniques to work with children and how they develop. Learning how to work with children in daycare settings, planning lesson plans, employee and employer responsibilities. **(KCHS, SHS, and CPHS ONLY)**
- 050640 **Clothing/Sewing** – Course introduces and expands upon the various aspects of wearing apparel, sewing and fashion. Information provided usually covers grooming and good health, wardrobe planning, selection, care and repair of clothing, personal factors affecting suitable choices in garment design and the history of many of our fashions. Basic skills in using sewing equipment and machines and construction skills are incorporated in the construction of one or more garments during the typical sewing class. Related topics such as fashion design and/or merchandising, careers in the clothing industry and craft sewing may be part of the course. **(NHS ONLY)**
- 050840 **Culinary Arts I** – The basics of professional food handling, diet, food safety and sanitation are covered. Book and lab work are required. **(SHS ONLY)**
- 050841 **Culinary Arts II** – Involves learning principles of baking, demonstrating baking skills, safety and sanitation and skills used by a Pastry chef. **(Prerequisite: 1 year of Culinary Arts I) (SHS ONLY)**
- 051140 **Fashion Design** – Introduces and expands upon basic design principles, quilting techniques and basic sewing skills. Students are required to purchase material to make quilt. The course will include the basics in color, design, and basic drafting. **(KCHS and SHS ONLY)**
- 051341 **Life Skills** – Course provides students with information in a wide range of subjects so they become better-informed consumers and more productive adults. Goal setting, decision-making, prioritizing, management of money, time, energy, stress and resources; relationships; and the development of the self are a large part of the course. Courses may include coping strategies and practical exercises regarding housing options, transportation options, nutrition and food preparation, clothing care, household management and how to maintain good health and wellness. Specific topics such as insurance, taxation, consumer protection and responsibilities of a good citizen are within the scope of this course as well. **(CPHS ONLY)**
- 051740 **Personal Finance** – Course provides 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, spending patterns and budget planning, contracts and consumer protection. An overview of the American economy may be provided. This course material is often included in the Family Living or Life Skills courses. **(CPHS ONLY)**

- 053040 **Entrepreneurship – (Grades 9 – 12)** Course acquaints students with the knowledge and skills necessary to own and operate their own businesses. Topics from several areas can form the content, and business management principles, economics, computer applications; mathematics and communications skills may be part of the overall content **(SHS ONLY)**.
- 053240 **ProStart I – (Grades 9 -12)** Sequential course designed to introduce students to industry standards such as customer relations, accounting, food cost controls and marketing. Students are also encouraged to explore a wide variety of careers found in the hospitality and restaurant industries. School districts involved in this program must complete an RFP process and be a recognized site.**(Lab Fee \$20.00) (KCHS ONLY)**
- 053340 **ProStart II – (Grades 10 – 12)** Sequential course designed for students pursuing careers in hospitality/food service. This is an intensive program involving topics covering entrepreneurship and managerial techniques, portfolio and customer service skills, safety and sanitation, catering, quick serve, full service, knife skills, plate presentation, and teamwork. Students who complete the program, a 400 hour internship, and pass the national exam leave high school with a national certification. **(Lab fee \$20.00) (KCHS ONLY)**
- 057640 **GRADS I – Teen Pregnancy*** – A course designed for the expectant teen and/or teen father. Topics may include: Surviving teen pregnancy, the importance of prenatal care, prenatal development, birth and delivery, healthy eating habits, substances and chemicals to avoid, FAS, goal-setting, decision-making, staying in school, communicating with father and his family and community economic independence and resources for teen parent. **(CPHS ONLY)**
- 058040 **GRADS II – Newborn*** – A course designed for the teen that is parenting a newborn baby under 1 year old. Topics may include: Goal-setting, decision-making, time management, Child development from Birth to 1 year, brain development, child support, selecting a daycare, bonding, nutrition, medical attention, economic independence and three generational living. **(CPHS ONLY)**
- 058140 **GRADS III – Parenting*** – A course designed for the teen parent with a child 1-3years old. Topics may include: Child development for toddlers, potty training, discipline, brain development, career planning, job portfolios, family law, decision-making, goal-setting, second-hand smoke and health issues, child hood diseases, healthy relationships, family planning, and economic independence custody and father rights. **(CPHS ONLY)**

FINE ARTS – ARTS

- 115040 **Introduction to Art (Art I)** – Students must take this class to be admitted to any of the advanced art classes. Introduction to basic art concepts using a variety of mediums, such as pencil, colored pencil, acrylic paint, watercolor paint, linoleum printing, etc. Weekly sketches required.
- 115140 **Art Appreciation** – Course introduces the many forms of art and help from an aesthetic framework through which art of various ages and cultures can be judged and critiqued. The place and significance of art in our society is explored. **(CPHS ONLY)**
- 115850 **AP Studio Art 2-D Design – (Grades 11 & 12 ONLY)** Must have recommendation by art teacher to enroll. Elect This course assists students in developing a portfolio demonstrating a broad interpretation and integration of two-dimensional issues. Weekly sketches required. The AP class offers the opportunity to earn college credits upon passing the AP examination. Cost of the exam is the student’s responsibility and taking the AP exam is optional. *Schedule changes out of this class prior to the end of semester require a conference with the student, teacher and an administrator.* **(Prerequisite: Intro to Art I) (KCHS & SHS ONLY)**
- 115950 **AP Studio Art 3-D Design – (Grades 11 & 12 ONLY)** Must have recommendation by art teacher to enroll. The student will work through issues of creating a 3-D piece of art using the elements of art and principles of design. This AP class offers the opportunity to earn college credits upon passing the AP examination. Cost of the exam is the student’s responsibility and taking the AP exam is optional. *Schedule changes out of this class prior to the end of semester require a conference with the student, teacher and an administrator.* **(Prerequisite: Intro to Art) (KCHS & SHS ONLY)**
- 116140 **Creative Art Comprehensive (Art II)** – This course is a continuation of Art I with emphasis on individual works of art. Career opportunities and history in the art world are also explored. Weekly sketches required. **(Prerequisite: Intro to Art)**
- 116240 **Creative Art Drawing/Painting (Art III)** – The students will work more in their chosen media with many varied assignments using advanced materials. Critiques are used to help develop progress with each individual’s artwork. Sketchbooks required. **(Prerequisite: Art I and II)**
- 116340 **Creative Art-Sculpture** – Course covers the same topics as Creative Art Comprehensive courses, but focus on creating three dimensional works. Students typically work with several media (such as clay, ceramics, wood, metals, textiles and so on) but some courses may focus on only one. **(CPHS ONLY)**
- 116440 **Pottery/Ceramics** – This is a one semester class. This course focuses on creating three dimensional works out of clay and ceramic material. **(CPHS ONLY)**
- 116541 **Graphics I** – Course covers the same topics as Creative Art- Comprehensive courses, but focus on design principles, printmaking and graphic design. **(CPHS and NHS ONLY)**

- 116640 **Textiles/Weaving** – This course teaches the beginning level skills needed for weaving. Students will experience using beads, yarn and other weaving media. Students learn the skill of Navajo Rug weaving. **(NHS ONLY)**
- 116740 **Crafts** – Students will work on various assignments that highlight the craft of making such items as masks, altered books, etc. **(KCHS, SHS, and CPHS ONLY)**
- 117140 **Photography** – Course exposes students to the materials, processes and artistic techniques of taking artistic photographs. Students learn about the operation of a camera, composition, lighting techniques and depth of field, filters, camera angles and film development. The course may cover black and white or color photography or both. **(CPHS ONLY)**
- 117540 **Computer Assisted Art – (Grades K – 12)** Course enables students to discover and explore how the computer can be used to create or to assist in the production of various forms of artwork. Previous courses in the intended art form are usually not required for the enrollment. Computer Assisted Art courses provide the opportunity to become more adept in both the art form and in the use of the computer **(SHS ONLY)**.
- 118140 **Art Portfolio – (Grades 11 & 12 ONLY)** Must have recommendation by art teacher to enroll. Students will complete a 20-piece slide sheet and apply to art school/college. Weekly sketches required. Additional expenses will be incurred. **(Prerequisite: Intro to Art) (KCHS ONLY)**
- 118350 **AP Studio Art-Drawing Portfolio** – Students will develop sections of the portfolio that will be submitted to the College Board in May for judging using slides of 24 pieces, including 5 originals. Half are class assignments, the other half are in an area of concentration chosen and developed by the student. *A passion for art is a must.* **(KCHS ONLY)**

FINE ARTS – DRAMA

- 111140 **Introduction to Theater** – Basic fundamentals and beginning concepts of drama including pantomime and duet acting are the focus of this class. **(KCHS ONLY)**
- 111240 **Drama/Stagecraft – (Grades 10 – 12 ONLY)** Students will learn basic technical theater production including sound, lights, props, costumes, and stage management. **(Prerequisite: Intro to Theater) (KCHS ONLY)**
- 111340 **Drama-Acting/Performance** – Expands on the basic aspects of theater learned in the Prerequisite class, Intro. to Theater. Practice and performance are participation part of grade. **(Prerequisite at KCHS: Intro to Theater) (KCHS and SHS ONLY)**
- 111540 **Advanced Drama, Directing – (Grades 11 – 12 ONLY)** Students will assume responsibility for helping the instructor prepare and direct a production. **Enrollment is limited to 3 students per year. (Prerequisite: Drama – Acting /Performance) (KCHS ONLY)**
- 117140 (I)
117141 (II)
117740 (III)
117840 (IV) **Video Production** – Course exposes students to the materials, processes, and artistic techniques involved in film or videotape. Students learn about the operation of a camera, lighting techniques, camera angles, depth of field, composition, storyboarding, sound capture, and editing techniques. Course topics may also include production values and various styles of filmmaking (documentary, storytelling, news magazines, animation, and so on). As students advance, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic style. In order to develop each student's style and artistic eye, major filmmakers, cinematographers, and their films may also be studied. **(KCHS ONLY)**
- 111840 **Advanced Drama, Stagecraft – Independent Study – (Grades 11 – 12 Only)** Students will assume responsibility for helping instructor prepare and provide technical direction for a production. Student technical directors will work with technical crew at the BIPAC. **Placement is at the discretion of the instructor. Enrollment is limited to 3 students per year. (Prerequisite: Advanced Drama Stagecraft) (KCHS ONLY)**
- 191140 (I)
191141 (II) **Mass Media – Production** – Course provides the technical knowledge and skills necessary for television, video, film, and or radio production. **(CPHS and NHS ONLY)**

GENERAL ELECTIVES

- 080540 **Media Literacy** – Course will guide students to learn the process of analyzing, evaluating and creating messages in a wide variety of media modes, genres and forms. Students will use an inquiry-based instructional model that encourages them to ask questions about what they watch, see and read. They will learn ways to access, analyze, evaluate and produce communication in a variety of forms. This course will help students understand the ways that words, images and sounds influence the way meanings are created or manipulated and shared in our contemporary global society. **(KCHS ONLY)**
- 081740 **Driver's Education – (.5 credit)** Course provides students with the knowledge to become safe drivers on America's roadways. Legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices and the physical and mental factors affecting the driver's capability (including alcohol and other drugs) are all included as topics of this course. **(KCHS, SHS, and NHS ONLY)**
- 082240 **Office Aide – (Grades 11-12)** Front desk receptionist - answer telephone - assisting with computer attendance, intercom work, contact with teachers, take and deliver messages. Students can be aide for only one office and for only one period a day. **(Must have 2.0 or better and good attendance, approval required)**
- 082340 **Teacher Aide** – Course provides students with the opportunity to work in one of the several campus offices (front, attendance, guidance, athletic offices, in the library or audio-visual center, or with individual teachers), assisting the appropriate professionals with their duties. Note: If the particular area (office or subject) is known, use the codes below or within the particular subject area. **(CPHS ONLY)**
- 082440 **Guidance Office Aide – (Grades 11-12)** (Must have 2.0 or better and good attendance, approval required) Students type, sort, file, duplicate papers, need good telephone skills and knowledge of general office procedures. Can be aide for only one office and for only one period a day.
- 082540 **Library Aide – (Grade 12)** (Must have 2.0 or better and good attendance, approval required) Student will learn library skills through completion of a self-directed course, working in the library, and completion of a major project. **(KCHS, SHS, and CPHS ONLY)**
- 083141 **Elementary Aide at Eva B. Stokely ES – (Grade 12)** Students have opportunity to offer tutorial assistance to younger students and/or assist teachers in the classroom or the librarian in the library. **(SHS ONLY)**
- 083340 **Study Hall – (Grades 9-12) (NO CREDIT)** Course provides students with the opportunity and time to complete classroom assignments or school projects. **(CPHS ONLY)**

- 084140 (I) **Leadership – (Grades 9-12)** This course is designed as a community enrichment class.
 084141 (II) Students in this course are elected representatives of the student body and function as
 084142 (III) the governing body of CCSD. This class will provide hands-on experience for students
 084143 (IV) seeking leadership experience and an opportunity to enact and suggest change within
 the school. **(Prerequisite: Students must be elected during the Spring of the previous
 year) (KCHS and SHS ONLY)**
- 086240 **Seminar Enrichment**– Courses vary widely, but typically offer a small peer group the
 opportunity to investigate areas of interest. Course objectives may include
 improvement of research and investigative skills, presentation skills, interpersonal skills,
 group process skills, and problem solving and critical thinking skills. Seminars aimed at
 juniors and seniors often include a college and career exploration and planning
 component.
- 089040 **College Success I – (Grade 11 & 12)** This course is designed to provide students with tools,
 techniques, and resources to enhance academic performance and persistence. Concepts
 covered in this class will assist students in the transition to college and/or concurrent/dual
 credit enrolment. Time and stress management, college expectations and procedures,
 learning and teaching styles, study skills and career planning are a focus of the course.
- 089043 **College Success II – (Grade 12 ONLY)** This course provides students the opportunity to
 deepen their understanding of academic expectations in college and apply the content
 learned in College Success I to their own application process. **(Prerequisite: College
 Success I or teacher approval).**
- 140140 **Health Education – (.5 credit)** Course topics include: community health, consumer
 health, disease prevention and control, environmental health, injury prevention and
 safety, mental and emotional health, nutrition, personal health, physical and social
 development, HIV-AIDS, and substance use and abuse.
- 154040 **Sports Medicine – (Grades 11 & 12)** This course is a study and analysis of injuries
 commonly associated with athletes. The roles of the athletic trainer, physician and coach
 are examined as they relate to the physiological and psychological welfare of the athlete.
 The lab portion of the class will be integrated during the semester. **(KCHS ONLY)**
- 160620 **Work Experience** – Course provides general work experience and emphasizes career
 guidance, job search, application and employability skills (including refining academic
 and job skills and developing positive work attitudes). Students are employed, but their
 employment is not necessarily related to a particular vocational program or course of
 study. **(CPHS ONLY)**
- 190240 (I) **Journalism** - Course associated with the production of a school newspaper, yearbook, or
 190241 (II) literary magazine; therefore, they not only emphasize writing style and technique, but
 190242 (III) also production values and organization. Beginning journalism courses introduce
 190243 (IV) students to the concepts of newsworthiness and press responsibility; develop students'
 skills in writing and editing stories, headlines, and captions; and teach students the
 basics of production design, layout, and printing of a publication. Advanced students
 learn and practice more refined journalistic techniques, participate to a greater extent in
 the formation and/or management of the production team, and gain experience in
 critical evaluation of story content and the publication as a whole. Photography and
 photojournalism skills may be included.

- 190340 (I) **Yearbook** – The emphasis is on writing skills, layout designs, and history of the yearbook,
 190341 (II) yearbook production, public relations, photography, and salesmanship. **By advisor only.**
 190342 (III) **(KCHS and SHS ONLY)**
- 211140 **(LET I) Introduction to JROTC** – Course includes instruction in the history, organization, role objectives and achievements of the Armed Forces, development of personal fitness, strong character, leadership qualities, and exposure to career opportunities. Military customs, courtesies, rank, drill and ceremonies are covered. Students must take Introduction to JROTC as a prerequisite for Military JROTC II, III and/or IV; exceptions granted only through JROTC Instructors. **(KCHS – ARMY, SHS – MARINES)**
- 211140 **(LET I) Introduction to JROTC** – Course includes instruction in the history, organization, role objectives and achievements of the Armed Forces, development of personal fitness, strong character, leadership qualities, and exposure to career opportunities. Military customs, courtesies, rank, drill and ceremonies are covered. Students must take Introduction to JROTC as a prerequisite for Military JROTC II, III and/or IV; exceptions granted only through JROTC Instructors. **(KCHS – ARMY, SHS – MARINES)**
- 211240 **(LET II) Military JROTC II** – Expands on skills taught in LET I; introduces the concepts of health lifestyles, equal opportunity, First Aid Training, State and Federal Constitution designs and citizens’ rights. Financial management is introduced. **(KCHS and SHS ONLY)**
- 211241 **(LET III) Military JROTC III** – Building career portfolios with career options, introduction of military careers, college applications and scholarships, public speaking and writing skills improvement. **(THIRD YEAR OF ROTC) (KCHS and SHS ONLY)**
- 211242 **(LET IV) Military JROTC IV** – Practical leadership applications, Cadets establish unit’s goals, objectives and select class/command leadership positions. Year’s activities and competitions are planned and coordinated with other JROTC Programs. Includes is accountability of units, materials and equipment. **(FOURTH YEAR OF ROTC) (KCHS and SHS ONLY)**
- 212140 **ROTC Drill (Armed/Unarmed)** – Cadets are required to participate in drill competitions, community service events, color guards, parades and drill team performances. Try-outs are conducted at the beginning of each year. **(KCHS and SHS ONLY)**
- 221240 **Service Learning** – This course incorporates a teaching and learning strategy that integrates meaningful community service with instruction and reflection to enrich the learning experience, teach civic responsibility, and strengthen communities. This course may also provide opportunities that link the task to self-reflection, self-discovery, and the acquisition and comprehension of values, skills, and knowledge content. This course would fulfill the required elective for Service Learning passed in the 2003 legislative session. (Recommended for Grades 5-12)
- 269941 **Release Time Religion Education – (NO CREDIT)** Release time for religious study off campus. Must have the curriculum approved and supervised by a church-sanctioned religious educator. **(KCHS and SHS ONLY)**

MODERN LANGUAGES

- 125240 **Spanish I** – Listening, speaking, reading and writing skills are addressed in this class. **(KCHS, SHS and NHS ONLY)**
- 125340 **Spanish II** – A more in-depth study of the Spanish language. **(Prerequisite: successful completion of Spanish I) (KCHS, SHS and NHS ONLY)**
- 125440 **Spanish III** – Continued study of Spanish language. **(Prerequisite: successful completion of Spanish II) (KCHS, SHS and NHS ONLY) (Dual Credit from San Juan College at KCHS and opportunity to take the test in the Spring Semester.)**
- 125450 **Spanish III Honors** - Course further refines, reinforces, and develops the skills and cultural awareness previously acquired in the first two levels. A greater emphasis is placed on reading and on communicating orally and in writing. The importance of Spanish in career fields continues to be emphasized. **(KCHS, SHS, and NHS ONLY)**
- 125540 **Spanish IV** – Continued study of Spanish language. **(Prerequisite: successful completion of Spanish III) (KCHS, SHS and NHS ONLY)**
- 125550 **Spanish IV Honors** - Course promotes oral and written communication. Selected readings in Hispanic literature, culture, and current events will be the focus. **(KCHS, SHS, and NHS ONLY)**
- 127181 **Navajo I** – A range of Navajo cultural topics are introduced for more effective oral and written language.
- 127281 **Navajo II** – Continued study of Navajo language and culture.
- 127381 **Navajo III** – An in-depth study of the Navajo language and cultural topics.
- 127383 **Navajo IV** – Advanced study of Navajo language and cultural topics.

PHYSICAL EDUCATION (1 CREDIT)

140240	Health and Fitness – Course combines the topics of Health Education courses (nutrition, stress management, abuse prevention, disease prevention, first aid and so on) with an active fitness component (typically including aerobic and fitness circuits) with the intention of conveying the importance of lifelong wellness habits. (CPHS ONLY)
230540	Physical Education – Course that provides instruction and development of skills in human movement, physical activities and physical fitness.
231440 (I) 231441 (II) 231442 (III)	Fitness/Conditioning Activities – (Grades 10 – 12) Course provides instruction and development of skills in physical fitness. (Prerequisite of PE or seasonal sport)
232240 (I) 232241 (II) 232242 (III)	Weight Lifting/Weight Training – (Grades 10 – 12) Course that provides development of skills in free weights and weight stations. Advanced continuation of PE. Students may only take 1 fitness/PE class per year. (Prerequisite of PE or seasonal sport)
232340 (I) 232341 (II)	Aquatics I & II – (Grades 10-12) Provides instruction and development of skills in swimming. (SHS ONLY)
300140	Athletic Periods
300240	Cross-Country
300340	Volleyball
300440	Basketball
300540	Soccer
300640	Wrestling
300940	Track and Field
3001040	Baseball
3001240	Softball
301440	Golf

DISTANCE LEARNING – SAN JUAN COLLEGE (SJC)

DUAL CREDIT COURSES

ONLINE

Note: For all Dual Credit classes, check with your counselor for more information. Veterinary Technology Program can lead to an A.A.S. degree and/or a Veterinary Technician Certificate. Requirements: 12th grade status

Courses are credited on transcripts at the high school and San Juan College. Course failure will impact college as well as high school grade point average and could impact ability to qualify for college scholarships, including the New Mexico lottery scholarship.

SJC DUAL CREDIT ON HIGH SCHOOL CAMPUS

Note: Some classes are taught on the high school campus by faculty approved by SJC for both high school and college credits. Please check with your counselor for more information.

ON SAN JUAN COLLEGE CAMPUS – CAREER & TECHNICAL EDUCATION (CTE)

Note: These classes are taken at San Juan College. All classes are worth .33 high school credits per year each college credit received. Students will need to purchase safety supplies and/or other supplies as required. Juniors and Seniors who have a 2.0 GPA may submit an application for admittance. Accepted students must complete online orientation, and must submit a Request for Dual Credit form in order to be enrolled in ANY class. (Accuplacer may be required for some classes)

Courses are credited on transcripts at the high school and San Juan College. Course failure will impact college as well as high school grade point average and could impact ability to qualify for college scholarships, including the New Mexico lottery scholarship.

DISTANCE LEARNING – INSTITUTE OF AMERICAN INDIAN ART DUAL CREDIT COURSES

AT KIRTLAND CENTRAL HIGH SCHOOL/SHIPROCK HIGH SCHOOL

Note: Some classes are taught on the high school campus by faculty approved by SJC for both high school and college credits. Please check with your counselor for more information.

DISTANCE LEARNING – NAVAJO TECHNICAL University DUAL CREDIT COURSES

AT APS POWER PLANT

Note: Courses are credited on transcripts at the high school and Navajo Technical University. Course failure will impact college as well as high school grade point average and could impact ability to qualify for college scholarships, including the New Mexico lottery scholarship.

- 096340 **Energy/Power (Industrial Maintenance I) – NCCER Core Curriculum: Introductory Craft Skills.** First course in a sequence of four developing a knowledge base of fundamental skills required of a certified Industrial Maintenance Mechanic. Modules covered are Basic OSHA Safety, Construction Math, Introductory Basic Hand Tools, Basic Power Tools, Basic Construction Drawings, Basic Rigging, Basic Communication Skills, Basic Employability Skills and Basic Material Handling.
- 096341 **Energy/Power (Industrial Maintenance II) -** Second course in a sequence of four developing a knowledge base of fundamental skills required of certified Industrial Maintenance Mechanics. Modules will include the following: Orientation of the Trade, Tools of the Trade, Fasteners and Anchors, Oxyfuel Cutting, Gaskets and Packets, Math, Construction Drawing, Pumps and Valves, Test Instruments, Rigging, Mobile and Support Equipment, and Lubrication. Labs will be scheduled weekly to emphasize and anchor the course material.

NOTE: ALL BOND WILSON TECHNICAL CENTER STUDENTS WILL NEED TO BE ENROLLED IN EITHER THE MORNING (089920) OR AFTERNOON (089921) COHORT!

DISTANCE LEARNING – NAVAJO TECHNICAL University

DUAL CREDIT COURSES

AT BOND WILSON TECHNICAL CENTER

Note: Courses are credited on transcripts at the high school and Navajo Technical University. Course failure will impact college as well as high school grade point average and could impact ability to qualify for college scholarships, including the New Mexico lottery scholarship.

- 059922 **Professional Cooking Basics** - The Professional Cooking Basics course provides students with the basic knowledge needed to understand the day-to-day operation of a commercial kitchen. The course will involve a strong emphasis on planning and organization of a food service operation which includes recipe breakdown, scheduling, ordering, and menu planning. Students will also learn about the basic cooking styles used in all professional kitchens. *Prerequisite: CUL-101 or BKG-101 (Professional Baking I). Course fee: \$100.00*
- 089925 **Residential Construction & Carpentry** - This course is designed to prepare students for entry into the Advanced Residential Construction course. Instruction includes identifying and utilizing all tools and machines associated with carpentry, material layout, the cutting, shaping, and assembling of wood products, furniture construction and cabinetry. The course also presents information related to current manufacturing materials and techniques, technologies, and equipment used to produce products for the marketplace. In addition to technical skills, students completing this course will also develop advanced critical thinking, applied academic skills, and career development skills. *Course fee: \$100.00*
- 089924 **Introduction to Craft Skills** - Development of skills and techniques necessary for basic construction/industrial maintenance craft skills. *Lab Fee: \$125.00.*
- 059921 **Nutrition** - This course will cover information regarding nutrition in the food service industry. Topic areas will include fats, carbohydrates, protein, vitamins, minerals, additives, and chemical pesticides. Students will use the food pyramid in relation to menu analysis. The digestive system for food intake will be examined through video presentation. Students will examine product labels, using information from the Food and Drug Administration.
- 101121 **Applied Technical Writing** - This course focuses on a variety of on-the-job communication skills such as writing memos and business letters, creating specific sets of instructions, preparing short reports, designing visual aids, and developing effective job search strategies including preparing resumes, writing letters of application, conducting online job searches, improving interview skills, and creating a job search timeline. In addition, students will be introduced to basic research skills for conducting Internet and library research and learn how to credit their research sources using accepted reference styles such as APA and/or MLA. An oral presentation skills component is also included as well as a number of informal opportunities to improve speaking skills. *Prerequisite: A grade of C or higher in ENG-098 or satisfactory placement scores.*

- 209921 **Technical Mathematics II** - This course will cover the application of arithmetic, measurement, introduction to algebra, equations and formulas, ratio and proportion, geometry, right triangle trigonometry, Law of Sines, and basic statistics. The Navajo cultural ways of learning and knowing are integrated as well. *Prerequisite: A grade of C or better in MTH-098 or satisfactory placement scores*
- 209922 **Intro/Intermediate Algebra** - Introductory Algebra will cover lessons pertaining to Real Number System, Expressions, Solving Equations, Polynomials, Factoring, Rational Expressions/Equations, Functions/Graphs/Applications, and Systems of Equations, More on Inequalities, Radical Expressions / Equations / Functions, and Quadratic Equations/Functions. The course will be integrated to other fields of study to make it real and relevant. At times, the learning process relating to the Navajo culture in the areas of Nitsahakees, Nahatah, Iina, and Sihasin will be covered as well as other cultures (multi-cultural studies). *Prerequisite: A grade of C or better in MTH113 or equivalent.*
- 272721 **Navajo Government** - This course is a study of the history, nature, organization, and operation of the Navajo tribal government. It concentrates on its evolution since its beginning in the 1920s, and examines the legal and political basis for, and functions of, the tribal government. The course brings an overview of the major contributions from each tribal administration and the political relationship of the Navajo to the state and federal governments.
- 089021 **University Prep** - This course is designed for the student first enrolling at Navajo Technical University. Its purpose is to help students make the most of their college experience by acquiring skills and information about college life and culture, instructors' expectations, study and test-taking strategies, and managing their financial and educational future. The student will also discover helpful information that will assist those planning to transfer to a four year institution, if that is a goal for the student. The Diné Philosophy of Learning is an important component of this class.

Bond Wilson Technical Center



Intro to Occupations in Mining:

This course is designed to provide both Junior and/or Senior High School students with a basic introduction to many of the occupations associated with the mining industry. An emphasis will be placed upon developing student understanding of the elementary skills, knowledge and experience required for any individual interested in pursuing a career in the mining industry. Additionally, students will learn how all jobs in the mining industry are interrelated to each other and the importance of their connections.

Unmanned Aircraft Systems:

Students will be entering the world of UAS. In this class, we will discuss both large- and small-type UAS systems and the industries they are revolutionizing. Students will learn which UAS systems are best suited for different applications, and the performance characteristics that influence the utilization of these systems. Students will also learn about different sensor payloads, methods for determining the best

application of sensor options, and how to analyze and differentiate the data collected. Students will participate in simulated UAS flights at the end of each class—working on their flight skills from the very beginning—and obtain beginner experience as sensor operators.

Aerospace Manufacturing:

This course provides an introduction to manufacturing principals for sophomore level students who desire to gain hands on experience and possibly enter the manufacturing workforce after graduation. This course will emphasize a series of major topics throughout the semester which directly relate to industry and are in fact procedures used each day by Raytheon employees. General topics will include a brief history of manufacturing, material and tool handling, safety procedures, as well as specific topics to RDF such as soldering and assembly/test work instructions. A general overview of engineering and engineering principals will also be covered.

Conceptual Design and Planning:

This course is focused on the principles, concepts, and use of complex graphic tools utilized in the field of architecture, structural systems, and construction trades. Emphasis is placed on the application of CAD tools in the creation of floor plans, foundation plans, basic roof design, section and details, and elevation drawings. Mathematics, science, and visual design concepts are reinforced. Work-based learning strategies appropriate for this course are apprenticeship and cooperative education. Hands on experience and SkillsUSA leadership activities provide many opportunities to enhance classroom instruction and career development.

21st Century Soft Skills:

Soft skills are today's power skills. They are a blend of interpersonal, communication and social intelligence skills that are in high demand across all industries and jobs. Students will learn the essential soft skills that employers value most, from communication fundamentals and teamwork to advancing critical thinking. Project and hands on activities will build students communication skills, planning, leadership, teamwork, attention to detail, and critical thinking to emulate what happens in the workplace.

Japanese Language, Culture, & Literature:

The Japanese Language, Culture, & Literature course provides students with an opportunity to learn numerous facets of the island nation of Japan. A country with centuries of rich history and culture, the student will have an opportunity to learn what made a small nation survive for an extended period of history. Students will learn concepts of the Japanese language. Students will learn some of the key cultural standards and norms established through a rigid system and developed over time. Finally, the student will also have an opportunity to understand how literature in Japan ties together the language and the culture.

PRE – COLLEGE CALENDAR & CHECKLIST

FRESHMEN & SOPHOMORES

- ✓ Need to concentrate on making good grades to obtain good grade point averages.

- ✓ Most scholarships look for applicants with 3.0 and above grade point averages.
- ✓ Sophomores can choose to take the PSAT in October for practice. Check with your counselor to determine the cost.
- ✓ Visit the Guidance Office for college or vocational school information.
- ✓ Study for semester finals. The semester grades are the grades that determine your credits and cumulative grade point average. These grades and credits go on your transcript (permanent record).
- ✓ Check with counselors for information about Honors and AP classes and for applications to summer college prep programs for which you might be eligible.

JUNIORS

◆ AUGUST

- ✓ Review your high school course work and activity plans.
- ✓ Keep in mind that colleges look for the following: challenging course work, strong GPA, involvement in extracurricular activities, such as sports, volunteer work or church, clubs and other organizations.
- ✓ Obtain a Social Security number. You will need it to apply for college and financial aid.

◆ SEPTEMBER

- ✓ Identify the sources of college and career information. Start looking through guidance publications, college catalogs and guidebooks.
- ✓ Talk to your parents and counselor about where you want to go to college.
- ✓ Study and register for the Preliminary Scholastic Aptitude Test (PSAT).
- ✓ Obtain dates and locations of college fairs in your local area.

◆ OCTOBER

- ✓ Sign up to take the PSAT. Check with your Counselor to determine the date, time and location.
- ✓ Ask about Advanced Placement (AP) courses, summer college courses, and summer college prep programs that may be available to you.

◆ NOVEMBER

- ✓ Start looking into eligibility requirements for federal and private student loans. Call 1-800-433-3243 for information on financial aid or online: www.edpubs.org.

◆ DECEMBER

- ✓ Your PSAT/NMSQT score report should arrive in the Guidance Office.

◆ JANUARY

- ✓ Go through the catalogs of the 3-5 schools that interest you the most.

◆ **FEBRUARY**

- ✓ Start seriously investigating private scholarships and other student aid programs. Go to the counselor's office and check with teachers to find out about scholarships.
- ✓ Register and study for the ACT exam.

◆ **MARCH**

- ✓ Continue investigating outside funding sources.
- ✓ Check with counselors on applying for Summer College prep programs.

◆ **APRIL**

- ✓ Begin preparing essays for college admissions and scholarship applications.
- ✓ Turn in summer college prep programs applications.

◆ **MAY**

- ✓ Continue compiling information to find out which organizations award scholarships to graduating seniors.

◆ **JUNE**

- ✓ Read a variety of books and magazines and review your math skills over the summer.
- ✓ Attend a summer college prep program, if you have been accepted.
- ✓ Obtain a summer job that might be related to your career interests.
- ✓ If possible, save money from your summer job to pay for senior items or college costs. If you travel this summer, consider scheduling a college visit.

SENIORS

◆ **JUNE**

- ✓ Review your career plans and decide which type of school might be right for you.
- ✓ Request catalogs and admissions information.
- ✓ Contact your counselor for registration materials and test dates for the ACT and/or the SAT.
- ✓ Sign up for Educaid's free e-mail College Bound Newsletter at www.educaid.com

◆ **SEPTEMBER**

- ✓ Meet with admissions representatives of colleges and vocational schools during the College Day.
- ✓ Remember that you must take tests like the ACT and SAT at least six weeks before the deadline for scores to be submitted to colleges. Begin asking teachers, counselors, and employers for letters of recommendations to include with your admissions and/or scholarship applications.
- ✓ Meet with military recruiters, if interested.

◆ **OCTOBER**

- ✓ Take the ACT or SAT exam, if necessary.
Work on admissions application essays.

◆ **NOVEMBER**

- ✓ Bring admission applications to the guidance office so that an official transcript can be attached and mailed from the guidance office.
- ✓ Be aware of scholarship deadlines.

◆ **DECEMBER**

- ✓ Take the ACT or SAT exam, if necessary.
- ✓ Obtain financial aid applications from the guidance office or the college of your choice. Read them **carefully** to determine what information is required and when the applications are due
- ✓ All correspondence courses for making up deficiencies should be completed this month.
- ✓ Apply for outside funding and scholarships.
- ✓ Study for semester finals and do your best so you won't have to make up any more deficiencies.
- ✓ Plan for your FINAL SEMESTER of high school.

◆ **JANUARY**

- ✓ Pick up information about FAFSA from the Guidance Office. Attend the Financial Aid Workshop presented in the evening at the school. Prepare to submit this information quickly. Check with the colleges on deadlines. Keep copies of all forms you submit.
- ✓ PARENTS: It is helpful to get your income tax returns prepared early- schools may request them to prove eligibility for financial aid.

◆ **FEBRUARY**

- ✓ Check to see if your mid-year transcripts have been sent to the schools to which you have applied.
- ✓ Submit FAFSA, online or through the mail if you have not already done so.
- ✓ Remember various scholarships deadlines.

◆ **MARCH**

- ✓ Look for your Student Aid Report (SAR) in the mail. Your SAR contains Federal financial aid information. (Based on completion of the FAFSA)
- ✓ Submit tax forms to the financial aid office if requested. Contact each office to make certain that your application is complete.
- ✓ If you have not received your SAR four (4) weeks after sending in your FAFSA, contact the Federal Student Aid Information Center at: (800-433-3243)
- ✓ Send the College Housing deposit with the Housing Application to the college that you have selected to attend in the fall.
- ✓ Check to see if the college you selected has a summer Bridge program for orientation. Your counselor will have applications and information.

◆ **APRIL**

- ✓ Watch the mail for college acceptance and financial aid award letters. Compare the financial aid awards you receive.
- ✓ Make your final decision and send in a deposit by the deadline.
- ✓ Check with the college you have chosen to attend about the details of signing and returning financial aid award letters.
- ✓ Watch for important deadlines at your chosen college/vocational school (housing, financial aid, etc.)
- ✓ Submit Navajo Nation Scholarship applications to your counselor, if appropriate.

◆ **MAY**

- ✓ Finalize summer plans - summer school, summer jobs, or pre – college summer programs.
- ✓ Study for finals.

CONGRATULATIONS ON YOUR ACHIEVEMENT!!!!

◆ **JUNE**

Check with the registrar in the guidance office to see if your final transcript was mailed to the college where you plan to attend

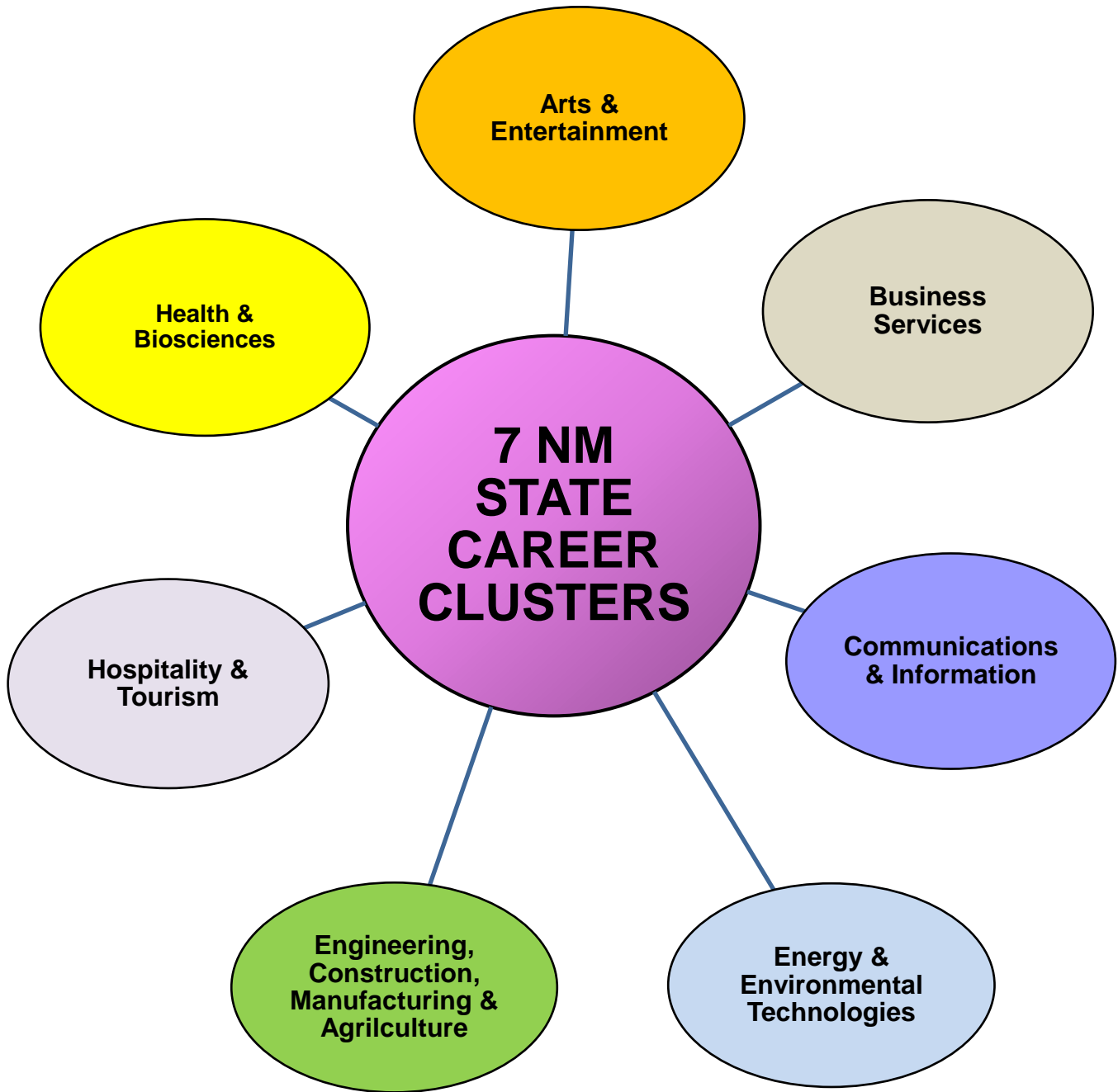
APPENDIX:

New Mexico's Career Pathways &
Programs of Study

Graduation Requirements by
Graduation Year/Cohort

NMAA Eligibility Requirements
Updated

New Mexico's Career Clusters Initiative



Freshman 2008-2009 Graduating Class of 2012	Freshman 2009-2010 Graduating Class of 2013	Freshman 2010-2011 Graduating Class of 2014	Freshman 2011, 2012 & 2013 Graduating Classes of 2015 & 2016	Freshman 2013-14, 2014-15, & 2015-16 Graduating Classes of 2017, 2018 & 2019
<p>23 units to include:</p> <ul style="list-style-type: none"> • 4 Units English • 3 units math (one unit = or > than Algebra 1) • 3 units Science, including United State History and Geography, World History and Geography, and Government and Economics • 0.5 unit New Mexico History • 1 unit Physical Education • 1 unit Communication Skills or Business Education or language other than English • 7.5 units electives 	<p>24 Units to include:</p> <ul style="list-style-type: none"> • 4 units English • 4 units math (one unit = or > than Algebra 2) • 3 units science (2 w/lab) • 3.5 units social science, including United States history and geography, World History and Geography, and Government and Economics, and .5 unit New Mexico History. • 1 unit physical education. • 1 unit career cluster, workplace readiness or language other than English. • 7.5 nits electives. <p><i>One of the above units must be honors, Advanced Placement, dual credit or distance learning.</i></p>	<p>24 Units to include:</p> <ul style="list-style-type: none"> • 4 units English • 4 units math (one unit = or > than Algebra 2) • 3 units science (2 w/lab) • 3.5 units social science, including United States History and Geography, World History and Geography, and Government and Economics, and .5 unit New Mexico History. • 1 unit physical education. • 1 unit career cluster, workplace readiness or language other than English. • 7.5 units electives. <p><i>One of the above units must be honors, Advanced Placement, dual credit or distance learning</i></p>	<p>24 Units to include:</p> <ul style="list-style-type: none"> • 4 units English • 4 units math (one unit = or> than Algebra 2) • 3 units science (2 w/lab) • 3.5 units social science, including United States History and Geography, World History and Geography, and Government, and Economics, and .5 unit New Mexico History. • 1 unit physical education. • 1 unit career cluster, workplace readiness or language other than English. • 7.5 units electives. <p><i>One of the above units must be honors, Advanced Placement, dual credit or distance learning</i></p>	<p>24 Units to include:</p> <ul style="list-style-type: none"> • 4 units English • 4 units math (one unit = or > than Algebra 2) • 3 units science (2 w/lab) • 3.5 units social science, including United States History and Geography, world history and Geography, and Government and Economics, and .5 Unit New Mexico History. • 1 unit physical education, which may include marching band, JROTC, or interscholastic sports sanctioned by NMAA. • 1 unit career cluster, workplace readiness or language other than English. • 7.5 units electives (Including .5 unit of health education *if not completed in middle school) <p><i>One of the above units must be honors, Advanced Placement, dual credit or distance learning</i></p> <p>*Note for students in the classes of 2017 and beyond, a course in health education is required, either as a high school elective or as completed in middle school.</p>



Scholastic Eligibility Bylaw 6.2.1.A – Semester Grades

NEW VERBIAGE FOR BYLAW 6.2.1.A ...either cumulatively or for the semester grades immediately preceding participation. For students not eligible at the semester, the next six or nine week grading period can be used to regain eligibility.

Rationale: It can be very difficult for administrators to obtain grades for classes off campus at the six or nine week marking period. In addition, using the semester grades will ensure that students participating are making progress towards graduation.

Scholastic Eligibility Bylaw 6.2.1.A – No F's

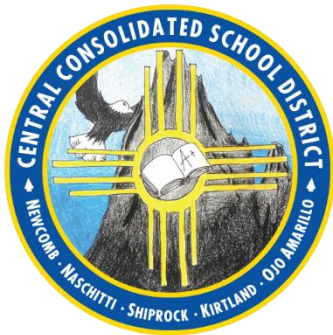
NEW VERBIAGE FOR BYLAW 6.2.1.A: A student shall have a 2.0 grade point average with no F's, based on a 4.0 grading scale, or its equivalent...

Rationale: This would increase the standards of scholastic eligibility and help to ensure that students are making progress towards graduation. Note that a student with one (1) F would still be able to use the "cumulative provision" to attempt to gain eligibility.

Scholastic Eligibility Bylaw 6.2.4 – Summer Courses

NEW VERBIAGE FOR BYLAW 6.2.4: A student may make up classes during summer school by earning a passing grade in that exact class from an accredited program. The new grade may be substituted for the original grade in that class providing the local school policy permits.

Rationale: This would give students an opportunity to gain eligibility at the semester by using summer school grades for multiple classes. It also rewards students for earning credits towards graduation during the summer.



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