

2010-2011
K C H S

COURSE
REGISTRATION
&
GOAL BOOK



Dear Parent/Student,

This booklet is designed to help with the registration process. Online registration will begin soon, so please take some time to plan your courses. Please note that 6-8 graders have no electives except for band.

The following pages contain registration sheets for grade levels 9-12. Listed are the core courses that students are required to take and their options for choosing electives at each grade level. Course descriptions may be found on pages 7-18. You may also find them on our web site under the academics link.

If you would like to plan your course of study for the years to come, please go ahead and do so. We highly recommend this as it may help eliminate some problems in the future. Please note that you will not always get the courses you choose due to some courses overlapping, but we will try to accommodate as many as possible.

Wednesday, March 10 - Online Registration @ KCHS

Thursday, March 11 - Parents - please check your student's registration & contact the office with any issues. Go to Powerschool - Registration - View Future Class Lists.

Thank-you for your cooperation.

Sincerely,

KCHS Administration

GRADUATION/COLLEGE ADMISSION REQUIREMENTS

The chart below is to aid you in making sure your student makes the right choices for classes during high school. It not only shows what classes are required to graduate from Kearney Catholic High School, but also those required for admission to both UNK and UNL. Please note that these are not necessarily the same for all post-secondary institutions; students need to do some exploration and find out what the admission requirements are for those institutions other than UNK and UNL. It is necessary to plan ahead, making sure your student has chosen classes that not only provide the necessary credits to graduate from KCHS, but also whatever high school classes are required for admission to the institution of higher learning of your student's choice. It is to the student's benefit to do this exploring early on in his or her high school career.

	KCHS	UNK	UNL
ENGLISH	4 years	4 years	4 years
MATH For graduation from KCHS, all math classes count. For UNK & UNL, only upper level math classes count; basic algebra I & II and consumer math are not considered upper level math.	3 years	3 years	4 years
NATURAL SCIENCES* Natural Science classes include physical science, biology, advanced biology, chemistry, and physics.	2 years	3 years	3 years
SOCIAL SCIENCES* Geography, American history, world history, psychology, economics, and government.	3 years	3 years	3 years
RELIGION	4 years		
FOREIGN LANGUAGE		2 years	2 years

UNK & UNL require satisfactory completion of the courses listed above. In addition, students must have a minimum ACT score of 20, an SAT score of 950, or rank in the upper 50% of the class.

You should also be aware that there are course requirements to be met if a student plans to participate in athletics at an NCAA-affiliated institution, and students have to make application to the NCAA Clearinghouse. For more information, you may go to their website at www.ncaaclearinghouse.net.

If you have any questions about the above, please do not hesitate to give Mr. Rogers or Mrs. Johnson a call.

7TH GRADE REGISTRATION

Name _____

As a 7th grader, you will be enrolled in the following classes:

- | | | | |
|---|----------------------|---|--------------|
| 4 | Theology 7 | 4 | Reading 7 |
| 4 | English 7 | 4 | Geography 7 |
| 4 | Physical Education 7 | 4 | Music 7 |
| 4 | Math 7 | 4 | Life Science |

Quarter Classes

- | | | | |
|---|----------|---|---------------------|
| 4 | Art 7 | 4 | Character Education |
| 4 | Speech 7 | 4 | Keyboarding |

Please choose **one** of the following electives: ____ Band OR ____ Problem Solving

Please check PowerSchool ONLINE to be sure that your student has signed up for the correct courses.
We are no longer requiring students to turn in a signed course registration form.

8TH GRADE REGISTRATION

Name _____

As an 8th grader, you will be enrolled in the following classes:

- | | | | |
|---|----------------------|---|---------------|
| 4 | Theology 8 | 4 | Reading 8 |
| 4 | English 8 | 4 | History 7 |
| 4 | Physical Education 8 | 4 | Music 8 |
| 4 | Math 8 | 4 | Earth Science |

Quarter Classes

- | | | | |
|---|--------------|---|--------------------|
| 4 | Art 8 | 4 | Creative Writing 8 |
| 4 | Study Skills | 4 | Computer 8 |

Please choose **one** of the following electives: ____ Band OR ____ Problem Solving

Please check PowerSchool ONLINE to be sure that your student has signed up for the correct courses.
We are no longer requiring students to turn in a signed course registration form.

9TH GRADE REGISTRATION

Name _____

As a 9th grader, you will be enrolled in the following classes:

- 4 Theology 9
- 4 English 9
- 4 Physical Science
- 4 Algebra I
- 4 P.E./Speech 9

Please check 2 or 3 of the following electives. By choosing two, you will automatically be enrolled in a study hall.

- _____ SS101 Geography
- _____ AR101 Art I
- _____ SP101 Spanish I*
- _____ MU100 Band
- _____ MU200 Chorus



Band & chorus taken together equal a full elective. If enrolling in one, it counts as half of an elective.

*Denotes honors classes

Please check PowerSchool ONLINE to be sure that your student has signed up for the correct courses. We are no longer requiring students to turn in a signed course registration form.

10TH GRADE REGISTRATION

Name _____

As a 10th grader, you will be enrolled in the following classes:

- 4 Theology 10 4 Biology
- 4 English 10 4 Geometry
- 4 World History

Please check 2-3 of the following electives. By choosing two, you will automatically be enrolled in a study hall. ***Please note that semester, band, and chorus classes each count as one-half of an elective choice.***

- | | |
|---------------------------------------|----------------------------------|
| _____ AR201 Art II | _____ BU303 Computer Programming |
| _____ BU201 Intro to Business (Sem.) | _____ BU305 Accounting |
| _____ BU202 Personal Finance (Sem.) | _____ MU100 Band |
| _____ BU207 Computer Apps I (Sem.) | _____ MU200 Chorus |
| _____ BU209 Computer Apps II (Sem.) | _____ PE301 P.E. 3 |
| _____ BU213 Web Design (Sem.) | _____ SP101 Spanish I |
| _____ BU215 Web Communications (Sem.) | _____ SP201 Spanish II |
| _____ BU309 TECHS | |
| _____ BU302 Economics (Sem.) | |



Band & chorus taken together equal a full elective. If enrolling in one, it counts as half of an elective.

*Denotes honors classes

Please check PowerSchool ONLINE to be sure that your student has signed up for the correct courses. We are no longer requiring students to turn in a signed course registration form.

11TH GRADE REGISTRATION


Name _____

As an 11th grader, you will be enrolled in the following classes:

- 4 Theology 11 4 American History
- 4 Algebra II/Consumer Math - you will be placed in a math class.

Choose one of the following English classes: English 11 **OR** American Literature* (Honors)

Please check 3-4 of the following electives. By choosing two, you will automatically be enrolled in a study hall. **Please note that semester, band, and chorus classes each count as one-half of an elective choice.**

- | | |
|--|---|
| <u> </u> AR301 Graphic Art | <u> </u> BU401 Advanced Accounting* |
| <u> </u> BU201 Intro to Business (Sem.) | <u> </u> BU407 Workplace Readiness (Sem.) |
| <u> </u> BU202 Personal Finance (Sem.) | <u> </u> MU100 Band  Band & chorus taken together equal a full elective. If enrolling in one, it counts as half of an elective. |
| <u> </u> BU207 Computer Apps I (Sem.) | <u> </u> MU200 Chorus |
| <u> </u> BU209 Computer Apps II (Sem.) | <u> </u> PE301 PE 3 |
| <u> </u> BU213 Web Design (Sem.) | <u> </u> SC301 Chemistry* |
| <u> </u> BU215 Web Comm. (Sem.) | <u> </u> SP101 Spanish I* |
| <u> </u> BU302 Economics (Sem.) | <u> </u> SP201 Spanish II* |
| <u> </u> BU303 Computer Programming* | <u> </u> SP301 Spanish III* |
| <u> </u> BU305 Accounting | <u> </u> SS401 Government |
| <u> </u> BU309 TECHS | <u> </u> FR101 French I |

*Denotes honors classes

Please check PowerSchool ONLINE to be sure that your student has signed up for the correct courses. We are no longer requiring students to turn in a signed course registration form.


12TH GRADE REGISTRATION

Name _____

As an 12th grader, you will be enrolled in the following class: 4 Theology 12

Choose one of the following English classes: English 12 **OR** English 12* (Honors)

Please check 4-6 of the following electives. If choosing less than six, you will automatically be enrolled in a study hall. **Please note that semester, band, and chorus classes each count as one-half of an elective choice.**

- | | |
|--|---|
| <u> </u> AR301 Graphic Art (Sem.) | <u> </u> MA403 Discrete Math |
| <u> </u> AR401 Art IV | <u> </u> MA405 Trig./Analysis |
| <u> </u> CC401 College Class @ UNK | <u> </u> MU100 Band  Band & chorus taken together equal a full elective. If enrolling in one, it counts as half of an elective. |
| <u> </u> BU201 Intro to Business (Sem.) | <u> </u> MU200 Chorus |
| <u> </u> BU202 Personal Finance (Sem.) | <u> </u> PE301 PE 3 |
| <u> </u> BU207 Computer Apps I (Sem.) | <u> </u> SA400 Student Aide (as 5th or 6th choice) |
| <u> </u> BU209 Computer Apps II (Sem.) | <u> </u> SC301 Chemistry* |
| <u> </u> BU213 Web Design (Sem.) | <u> </u> SC401 Biology, Adv.* |
| <u> </u> BU215 Web Communications (Sem.) | <u> </u> SC403 Physics* |
| <u> </u> BU302 Economics (Sem.) | <u> </u> SP101 Spanish I* |
| <u> </u> BU303 Computer Programming* | <u> </u> SP201 Spanish II* |
| <u> </u> BU305 Accounting | <u> </u> SP301 Spanish III* |
| <u> </u> BU309 TECHS | <u> </u> SP401 Spanish IV* |
| <u> </u> BU401 Advanced Accounting* | <u> </u> SS401 Government |
| <u> </u> BU407 Workplace Readiness (Sem.) | <u> </u> SS403 Psychology* |
| | <u> </u> FR101 French I |

*Denotes honors classes

Please check PowerSchool ONLINE to be sure that your student has signed up for the correct courses. We are no longer requiring students to turn in a signed course registration form.

COURSE DESCRIPTIONS

Please note:

* *represents an honor's class*

ART

AR060 Art 6

Grade Levels: 6

Length: Year

Pre-Requisite(s): None

The Art Program is a comprehensive program to develop students understanding, knowledge and skill in art. The art program is not designed to reach only the artistically talented but also students with different interests and abilities. A comprehensive program is designed to prepare students to make their own knowledgeable decisions about art, and to be able to enjoy it in the future.

AR070 Art 7

Grade Levels: 7

Length: Year

Pre-Requisite(s): None

Seventh grade art is an introduction to different art mediums. The students begin to learn about aesthetics, and art history. The students will study: beginning drawing and shading, one point perspective, color theory, clay creation, calligraphy and watercolor.

AR080 Art 8

Grade Levels: 8

Length: Quarter

Pre-Requisite(s): None

Eighth grade art is a sequential development of the growth in the study of art through art history, studio work, and beginning art criticism. They students will study: contour drawing, color schemes and color theory, three dimensional sculpture in paper mache and ceramics. They will also develop more skills in painting techniques.

AR101 Art I

Grade Levels: 9

Length: Quarter

Pre-Requisite(s): None

Art I is the further study of Art History connected to each art project. It is developing growth of understanding of art to enrich the quality of their lives. The creative experience is using the imaginative part of the students' brains. It allows the student to expand their abilities and at whatever stage they may be. Creativity is a gift from God and joy in our lives. We study and develop the students ability in drawing, painting in tempera and acrylic, stippling and value, charcoal, printmaking, coiling, ceramics, realism to abstraction, paper making, batik and more.

AR201 Art II

Grade Levels: 10

Length: Quarter

Pre-Requisite(s): None

Art II is the growth and skill development in studio work and understanding art criticism, and relationship of art history to society. The students work in areas of portraiture, figure drawing, acrylic Americana, architecture, clay sculpture and ceramics pottery wheel, cast paper, wire sculpture, marbeling, textile design and more.

AR301 Art III

Grade Levels: 11

Length: Year

Pre-Requisite(s): None

Graphics is the study of not only the graphic career on paper and in the computer lab. It also is the study of different art related careers. Art as used in creating logos and advertisements, packaging, book illustration, redesign projects, architectural models, airbrush, silk screen and digital photography, and movie making.

AR401 Art IV

Grade Levels: 12

Length: Year

Pre-Requisite(s): None

Art IV is the masterpiece year. Students go into depth of study in drawing, painting acrylic and oil, batik, ceramics work, sculpture, pastel, textile design and murals. They are able to work more independently with guidance.

ENGLISH/READING

AC080 Accelerated Reader 8

AC090 Accelerated Reader 9

AC10 Accelerated Reader 10

AC11 Accelerated Reader 11

AC12 Accelerated Reader 12

Grade Levels: 8-12

Length: Year

Pre-Requisite(s): None

Students will be assigned points per quarter to earn. Tests will be taken in the media center. Grade will be determined by averaging the percent of goal earned and the average percent earned on tests.

EN060 English 060

Grade Levels: 6

Length: Year

Pre-Requisite(s): None

Students will be writing in narrative form, descriptive, explanatory, persuasive form and also writing from past experiences. We will focus on the 6 traits of writing throughout the year and this is what the students will be graded on. Students will be experimenting with poetry and writing with emotion. Along with our writing we will be working on grammar skills, sentence structure, and mechanics. Spelling will be done weekly as well as new vocabulary words to build up our great sense of expression.

EN065 Reading 6

Grade Levels: 6

Length: Year

Pre-Requisite(s): None

Students will be reading books/anthologies in a variety of genres. Here we will look at different ways to comprehend books using predictions, summarizing, question and answer, details and facts, comparing and contrasting. Students will focus on the three main components of reading: vocabulary, comprehension, and fluency.

EN068 Creative Writing

Grade Levels: 6

Length: Year

This course is a fun, relaxed atmosphere of both writing and the sharing of writing, designed to help students become more comfortable with effective writing in a creative way! The 6-traits will be reviewed and applied to different types of writing.

EN070 English 7

Grade Levels: 7

Length: Year

Pre-Requisite(s): None

Students will be working on their communication skills as well as their writing skills. We will focus on the Basic Write Traits throughout the year. Students will continue use their skills in writing in narrative, descriptive, explanatory and persuasive form. Poetry will also be a part of the curriculum. Along with writing, students will be working on grammar skills, sentence structure, and mechanics. Spelling will be done weekly.

EN075 Reading 7

Grade Levels: 7

Length: Year

Pre-Requisite(s): None

Students will be reading books in a variety of genres. The Accelerated Reader program will be used. Students will concentrate on learning skills to become better readers.

EN077 Speech 7

Grade Levels: 7

Length: Year

Pre-Requisite(s): None

This introductory speech course is designed to introduce students to the basics of good public speaking and provide them with a variety of formats in which to practice these skills. The primary goal of this course is to help students get over the very common fear of getting up in front of a group to speak. Speeches given during this course include: introducing self, speech about interests, demonstration, informative.

EN080 English 8

Grade Levels: 8

Length: Year

Pre-Requisite(s): None

This class is designed to reinforce student communication skills, especially writing skills, through an approach which integrates reading and listening skills with composition skills. Students cover units on short story, poetry and the novel as well as basic grammar, spelling, and mechanics.

EN101 English 9

Grade Levels: 9

Length: Year

Pre-Requisite(s): None

This course is designed to reinforce effective communication skills through the study and discussion of literature. Students will study short stories, poetry, drama and novels while focusing on the elements of fiction present in each. Major literature units included in this course: *Animal Farm*, *A Christmas Carol*, *Romeo and Juliet*/*West Side Story*, *Anne Frank: The Diary of a Young Girl*, and *No Promises in the Wind*. Students will also study grammar, including sentence diagramming, sentence structure, parts of speech and basic rules of usage. Writing will focus primarily on expository, or informative, writing in both paragraph and essay form and will be assessed according to the 6 Traits.

EN107 Speech 9

Grade Levels: 9

Length: Semester

Pre-Requisite(s): None

Students cover general techniques that are applied to presenting formal speeches: demonstration, informative, and entertainment. They also work on dramatic skills presenting poetry, oral interpretation of drama, and humorous or serious prose.

EN201 English 10

Grade Levels: 10

Length: Year

Pre-Requisite(s): None

This course is designed to build upon the skills learned in English 9 and further develop students' effective communication skills. We will study a variety of literature including short stories, poetry, drama and the novel. Major literature units included in this course: *My Antonia*, *Julius Caesar*, *Night*, *Lord of the Flies*, and *Huckleberry Finn*. Grammar will also be reviewed, including sentence diagramming, sentence structure, parts of speech and proper usage. Writing will be assessed according to the 6 Traits and will focus primarily on a persuasive format which will be utilized in both paragraph and essay writing assignments.

EN301 English 11

Grade Levels: 11

Length: Year

Pre-Requisite(s): None

This course is based on college-preparatory reading and writing. The students will be studying literature written during major time periods in American history. These selections will include: "The Scarlet Letter", "The Crucible", "The Great Gatsby", "Of mice and Men" and "To Kill a Mockingbird". Grammar at this level is taught via feedback from student's written work and practice worksheets. All juniors will write a persuasive research paper during the third quarter. Emphasis during this unit will be learning the research process and proper use of the MLA documentation.

EN302 American Lit.*

Grade Levels: 11

Length: Year

Pre-Requisite(s): None

Honors American Literature differs from the standard class in that students read additional work by authors.

EN401 English 12

Grade Levels: 12

Length: Year

Pre-Requisite(s): None

This class is based on college-preparatory reading and writing. The anthology used is Holt, Rinehart and Winston's **Elements of Literature Sixth Course**. Other reading sources, which are integrated chronologically with the anthology, include **Beowulf (Hamlet) and Great Expectations**. Writing assignments take various forms, but they are generally associated with the literature. Writing and grammar instruction at the senior level are in the form of the individual feedback students receive on their essays. All seniors write a research-based opinion paper during the third quarter. The emphasis here is on learning the research process and the proper use of APA documentation.

EN403 English 12*

Grade Levels: 12

Length: Year

Pre-Requisite(s): None

Honors World Literature differs from the standard class in that students read additional work by authors. An emphasis in this class is the development of intellectual curiosity through delivering individual and group oral presentations of their findings. Students will be expected to write literary opinion papers.

FOREIGN LANGUAGE

SP101 Spanish I

Grade Levels: 9

Length: Year

Pre-Requisite(s): None

Students will be introduced to basic vocabulary to allow them to communicate, using memorized words and phrases, on topics such as introducing one's self, describing one's family, friends, dislikes concerning activities, foods, weather, household chores, etc. Students will be able to express basic needs and wants. Basic grammar structures are also introduced, using the communicative approach. Basic information about the cultures of the Spanish-speaking countries of the world is also covered.

SP201 Spanish 2

Grade Levels: 10

Length: Year

Pre-Requisite(s): Spanish I

Spanish I vocabulary and grammar structures are reviewed. Past and future tenses of verbs are learned and used in communication. In addition to expressing basic needs, wants, opinion, etc., students will be able to elaborate on them. Additional vocabulary to be mastered will include places around town, clothing, foods, hobbies and pastimes, health and fitness, injuries and illnesses. Regional differences and holidays of Spanish-speaking countries will be studied. Reading of short stories and literary selections is included during the third and fourth quarters.

SP301 Spanish 3

Grade Levels: 11

Length: Year

Pre-Requisite(s): Spanish I & II

Spanish II vocabulary and grammar structures are reviewed. Short novels in Spanish are read and discussed. Imperfect, subjunctive, and conditional verb tenses are covered and used communicatively. New vocabulary units focus on expansion of vocabulary in areas previously covered in Spanish I and II, in addition to going through customs, traveling by air and train, staying in a hotel, visiting a doctor, go to the dentist, etc. The main goal of Spanish III is for students to try to communicate almost exclusively in Spanish, to respond to problems encountered in a given situation and to resolve problems using Spanish.

SP401 Spanish 4

Grade Levels: 12

Length: Year

Pre-Requisite(s): Spanish I, II, III

This course refines student knowledge of grammar while a focus is placed upon larger assignments such as reading a short novel in Spanish. Student vocabulary is expanded to allow greater ease of communication and previous grammar points are reviewed in depth. Written and oral communication is again a focus.

FR101 French 1

Grade Levels: 11-12

Length: Year

Pre-Requisite(s): Spanish I, II

Students will be introduced to basic vocabulary to allow them to communicate, using memorized words and phrases, on topics such as describing one's self, friends, family, classes, and class schedule, discussing one's likes and dislikes concerning activities, foods, weather, household chores, etc. Students will be able to express basic needs and wants. Basic grammar structures are also introduced communicatively. Reading skills are developed through the reading of simple, short stories. Basic information about France and Quebec is also covered, in addition to cultural information about holidays celebrated in French-speaking countries.

MATH

MA060 Math 6

Grade Levels: 6

Length: Year

Pre-Requisite(s): None

This is a general math class. Topics covered are concepts pertaining to whole numbers, fractions, decimals, ratios, proportions, percents, and order of operations. Other topics covered are metric and customary measurements, measurement conversions.

MA070 Math 7

Grade Levels: 7

Length: Year

Pre-Requisite(s): None

This class is a combination of general math and geometry. Topics covered are concepts pertaining to whole numbers, fractions, decimals; ratios, proportions, and percents. Other topics include area, volume, geometric figures, statistics, customary and metric measurement conversions, and operations with integers.

MA080 Math 8

Grade Levels: 8

Length: Year

Pre-Requisite(s): None

This class is a combination of general math and pre-algebra. Topics covered are sequences, operations with integers, rational number sets; ratios, proportions, and percents; solving one-step and two-step equalities and inequalities. Other topics and concepts include statistics, customary and metric measurement conversions, probability, Pythagorean Theorem.

MA101 Basic Algebra I

Grade Levels: 9

Length: Year

Pre-Requisite(s): None

Description: Students will study the use of variables to write and solve equations, exponents and their properties, polynomials, fractions with variables, and the applications of these concepts. Students will also study inequalities, rational and irrational square roots. This course is slightly slower-paced compared to the regular Algebra I course and will greatly benefit those students who struggle with math concepts and need very in-depth explanations of concepts.

MA103 Algebra I & MA105 Algebra I*

Grade Levels: 9

Length: Year

Pre-Requisite(s): None

Description: Students will study the use of variables to write and solve equations, exponents and their properties, polynomials, fractions with variables, functions, and the applications of these concepts. Students will also study inequalities, rational and irrational square roots. The honors class will move at faster pace and will cover more material.

MA 201 Basic Geometry

Grade Levels: 10

Length: Year

Pre-Requisite(s): None

Description: Students will study constructions, properties, theorems, and postulates pertaining to parallel lines, angles, triangles, circles, and n-sided polygons. Students will also study areas, perimeters, and volumes of various solids as well as basic proof writing, congruency and similarity of polygons, and some coordinate geometry. This course has less emphasis on proof writing as compared to the regular Geometry course.

MA203 Geometry & MA203 Geometry*

Grade Levels: 10-12

Length: Year

Pre-Requisite(s): Algebra I

If you didn't like Algebra, you will probably really like Geometry! This class helps students strengthen their logic skills. By learning how to do proofs, students will learn how to start with some given information, apply some previously learned information and arrive at a new conclusion. Compass and protractor will be needed regularly for this class. A calculator will be helpful also. A student with high math skills, and a goal of any math, science or computer field should consider taking both Honors Geometry and Honors Alg II during their sophomore year, thereby enabling them to take a Calculus class from the local college during their Senior year.

MA301 Consumer Math

Grade Levels: 11-12

Length: Year

Pre-Requisite(s): None

Description: Students will study practical applications of mathematics in the consumer world. Concepts include understanding how to figure and compare salaries, commissions, and wages, understanding state and federal withholding taxes, and social security taxes and benefits. Students will also study how to set up a household budget, figure expenses, including housing, utilities, and maintenance, costs of owning and maintaining a car, and various types of insurance. Other concepts covered include checking and savings accounts, bonds, stocks, real estate, loans, and credit.

MA303 Algebra II

Grade Levels: 11-12

Length: Year

Pre-Requisite(s): Algebra I

We expand on the topics taught in Algebra I. Some of the topics covered are inequalities, proofs, linear equations and functions, operations with polynomials, rational, irrational, and imaginary numbers, quadratic equations and functions, variation and polynomial equations.

MA305 Algebra II*

Grade Levels: 11-12

Length: Year

Pre-Requisite(s): Algebra I*(Honors)

We expand on the topics taught in Algebra I. Some of the topics covered are inequalities, proofs, linear equations and functions, operations with polynomials, rational, irrational, and imaginary numbers, quadratic equations and functions, variation and polynomial equations, analytic geometry, exponential and logarithmic functions.

MA403 Discrete Math

Grade Levels: 11-12

Length: Year

Pre-Requisite(s): Pre-req: Algebra I & II

Students will study various concepts including quadratic functions, direct, indirect, and joint variations, circles and parabolas. They will also cover basic Trigonometric functions, sequences, series, statistics, and probability. This course is designed for students who plan to attend college, but are not planning to major in mathematics or a math-intense science field.

MA405 Trigonometry/Analysis*

Grade Levels: 11-12

Length: Year

Pre-Requisite(s): Algebra I & II, Geometry

This is the Senior Honors Math Class. My goal is to prepare those students in this class for any math class they take next year in college, whether they take College Algebra or a Calculus class. We start the year with some Advanced Algebra; then progress to actual Trigonometry, which takes about two quarters; then we finish out the year with some Pre-Calculus concepts (and if there is time, I try to fit in a little Statistics). This class should be taken by anyone wishing to pursue a math, science or Computer related field.

MUSIC

MU062 Music 6

Grade Level: 6

Length: Year

Pre-Requisite(s): None

This class combines choir with basic general music theory. Students sing periodically for student Masses as well as perform on Christmas and spring concerts. Basic music theory (notes, rhythms, keys) is covered this year.

MU072 Music 7

Grade Level: 7

Length: Year

Pre-Requisite(s): None

Seventh grade music is comprised of choir activities as well as more in-depth study of music theory, musical instruments, composition and early music history. In addition to singing periodically for student Masses, students also perform during Christmas and spring concerts.

MU082 Music 8

Grade Level: 8

Length: Year

Pre-Requisite(s): None

Eighth grade music students study music history from the 1750's to the present as well as choral singing. Students sing periodically for student Masses. They also perform during the Christmas and spring concerts.

MU060 Band 6

Grade Level: 6

Length: Year

Pre-Requisite(s): None

Beginning band is offered to all sixth grade students. This is an opportunity for students to learn a new skill which they can use and enjoy throughout their life. Beginning percussionists are expected to have previous piano experience. There are no other prerequisites for playing other instruments. Students meet the first week of school to determine their choice of instrument. Objectives for beginning band students include proper tone production, knowledge of fingerings for the instrument and basic music reading skills.

MU070 Band 7

Grade Level: 7

Length: Year

Pre-Requisite(s): None

Curriculum for 7th grade band is built and expanded on student's progress during sixth grade. This year is designed to give students skills required for participation in high school band.

MU100 Band

Grade Level: 8-12

Length: Year

Pre-Requisite(s): None

This class meets M, Tu, F during the school year. In addition, students are required to attend 1 week of band camp prior to the start of school. During marching season the class begins at 7:22 am. First semester students are involved in street and field marching. There are numerous performances at various competitions and parades throughout the state during September and October. Students also prepare music for the Christmas concert. Second semester students prepare music for Conference honor band, District music contest and the spring concert. Every third year students in this group take a trip in the spring. Recent destinations have included New York, San Antonio, Washington DC, and Toronto. Fundraising is done each year to help students raise money for the cost of this trip. Following marching season students can elect to play in jazz band which meets at 7:22 on Mondays and Fridays.

MU200 Choir

Grade Level: 9-12

Length: Year

Pre-Requisite(s): None

This class meets W,Th during the school year. Music is prepared for masses, conference choral clinic, district music contest & concerts. Choir members can audition for Stardust which is a select choir. This group meets outside of the school day and often performs at various functions throughout the community.

PHYSICAL EDUCATION

PE060 Physical Education 6

Grade Level: 6

Length: Year

Pre-Requisite(s): None

Physical activity, sportsmanship, and teamwork are stress through individual activities and team activities.

PE070 Physical Education 7

Grade Level: 7

Length: Year

Pre-Requisite(s): None

Physical activity, sportsmanship, and teamwork are stressed through individual activities and team activities. The 7th-8th grade participate in school sponsored activities such as basketball and volleyball. A Health Unit is completed second semester. A variety of topics are covered including heart health, respiratory health, and sensory health to name a few.

PE080 Physical Education 8

Grade Level: 8

Length: Year

Pre-Requisite(s): None

Physical activity, sportsmanship, and teamwork are stressed through individual activities and team activities. The 7th-8th grade participate in school sponsored activities such as basketball and volleyball. A Health Unit is completed second semester. A variety of topics are covered including heart health, respiratory health, and sensory health to name a few.

PE101 Physical Education 1

Grade Level: 9

Length: Year

Pre-Requisite(s): None

Physical activity, sportsmanship, and teamwork are stressed through individual and team activities. The 9th graders will do a variety of activities. We do expect them to participate and do the best they can.

PE201 Physical Education 2

Grade Level: 10-12

Length: Year

Pre-Requisite(s): None

This class is more of a weightlifting class. We lift for 4 weeks then max out, then play something: bowling, badmitten, volleyball, disc golf , etc.. for a week, then lift for 4 weeks then play something again for a week. Open to all 10-12 grades.

PE301 Physical Education 3

Grade Level: 11-12

Length: Year

Pre-Requisite(s): PE201

For those students who have completed PE101 and PE102. BFS weightlifting program is utilized.

SCIENCE

SC060 General Science 6

Grade Level: 6

Length: Year

Pre-Requisite(s): None

Students will learn about a broad range of science topics including: chemical and physical properties of matter, forces, populations and ecosystems, measuring in scientific units, introduction to cells and body systems, cycles in nature such as the water cycle, plate tectonics, and erosion.

SC070 Life Science 7

Grade Level: 7

Length: Year

Pre-Requisite(s): None

Students will study many aspects of life science such as: populations and ecosystems, measuring in scientific units, cell structure and processes such as cell division and reproduction, heredity, natural selection, human body systems including muscular, skeletal, digestive, and cardiovascular systems, classification of living things, and introduction to the moneran, protist, fungus, plant and animal kingdoms.

SC080 Earth Science

Grade Level: 8

Length: Year

Pre-Requisite(s): None

A study of the Earth including aspects of Geology, Seismology, Vulcanology, Meteorology, Hydrology, Oceanography, and Astronomy.

SC101 Physical Science 9

Grade Level: 9

Length: Year

Pre-Requisite(s): None

This course will serve as an introduction to physics and chemistry. Students will study force, motion, data collection, energy and energy resources, properties and states of matter, and properties of electromagnetic waves in the physics area. In the area of chemistry students will study atomic structure, the periodic table of elements, balancing chemical equations, characteristics of acids and bases, and introduction to organic chemistry.

SC201 Biology

Grade Level: 10

Length: Year

Pre-Requisite(s): None

The study of life including viruses, bacteria, protists, fungi, plants, and animals as well as hereditary and cellular biology.

SC301 Chemistry*

Grade Level: 11-12

Length: Year

Pre-Requisite(s): None

Chemistry is the study of the composition, structure, and properties of matter and the changes it undergoes. Students will learn how to write chemical formulas, balance chemical equations and learn stoichiometry. Acid and bases, solutions and phases of matter will also be covered. A scientific calculator is required.

SC401 Advanced Biology*

Grade Level: 11-12

Length: Year

Pre-Requisite(s): Biology

Anatomy and physiology, the study of the structure and function of the human body.

SC403 Physics*

Grade Level: 12

Length: Year

Pre-Requisite(s): Algebra II

Physics is the study of matter and energy and their relationships. Topics will include acceleration, momentum, forces, energy and work.

Physics is often described as an applied math class. A student must have completed Algebra II in order to have the math skills required for the class. A scientific calculator is required.

SOCIAL STUDIES

SS060 Social Studies 6

Grade Level: 6

Length: Year

Pre-Requisite(s): None

Students will learn mapping, longitude and latitude, time zones, etc. Geographic terms, research skills, citizenship and American values, interpersonal skills. Learn ancient history of many different cultures, the first civilizations, economic, political, social, and religious differences among people.

SS070 Geography 7

Grade Level: 7

Length: Year

Pre-Requisite(s): None

Students study both physical and human geography. Semester One is devoted to map skills, physical features, the Five Themes of Geography, and culture. They also study Canada and the United States. Semester Two combines both geographies as they pertain to specific cultures: Japan, Korea, China, and the Middle East. A unit on Nebraska History is covered during one of the semesters.

SS080 History 8

Grade Level: 10-12

Length: Year

Pre-Requisite(s): None

This history class, we start out with a little geography learning all the states and some physical regions. Then we go to early American History. Studying the Indians and what countries move in and takes their land. Then we study early America, up to the civil war.

SS101 World Geography

Grade Level: 9

Length: Year

Pre-Requisite(s): None

We take a basic look at the earth, solar system, and all regions of the world drawing general references concerning culture, physical geography, and modern problems.

SS201 World History 10

Grade Level: 10

Length: Year

Pre-Requisite(s): None

Students take a Euro-centric approach to history first covering Greece and Rome, then progressing to the Medieval Period in Europe, the Renaissance, Empire Building, English and French Revolutions, Napoleon, the Industrial Age, World War I, and World War II.

SS301 American History

Grade Level: 11-12

Length: Year

Pre-Requisite(s): None

Post Revolutionary War class that connects early trends in America's social, political, and military history to present day. Other major areas of emphasis include impact short term and long term of WWII and Vietnam War.

SS401 Government

Grade Level: 11-12

Length: Year

Pre-Requisite(s): None

Begins with early governments and purpose of, with emphasis on constitutional amendments. Focus also on modern problems and events occurring throughout the community, nation, and world.

SS403 Psychology*

Grade Level: 11-12

Length: Year

Pre-Requisite(s): None

Intro class to psychology that focuses on all areas ranging from life span development to abnormal behaviors. Major emphasis in class is to relate research done in field of psychology to everyday life.

THEOLOGY

RE060 Religion 6

Grade Level: 6

Length: Year

Pre-Requisite(s): None

The student is introduced to the foundation of the Catholic faith. We begin studying the Old Testament and its stories of relationships between God and humanity. There is a class retreat during the fall. 5 service hours per quarter are required for each student.

RE070 Religion 7

Grade Level: 7

Length: Year

Pre-Requisite(s): None

This is an intensive study of Jesus the Way, the Truth, and the Life. We take a look at the life of Jesus the human while here on earth and how his life affects us today. We also work with scripture, liturgical year. There is a class retreat during the fall. Five service hours per quarter are required for each student.

RE080 Religion 8

Grade Level: 8

Length: Year

Pre-Requisite(s): None

In the 8th grade year the student will become familiar with the Church then and now. We take a look at the beginning church and its history. They will have a class retreat during the fall. Five service hours per quarter are required for each student.

RE101 Religion 9

Grade Level: 9

Length: Year

Pre-Requisite(s): None

Students will experience the Sacraments of the Catholic church and study religions of the world. Five service hours are required per quarter per student.

RE201 Religion 10

Grade Level: 10

Length: Year

Pre-Requisite(s): None

Students will read and research the Old & New Testament. They also will learn about early church history and how the New Testament is to be lived today daily.

RE301 Religion 11

Grade Level: 11

Length: Year

Pre-Requisite(s): None

Students are introduced to the basics of Catholic morality, and what it means to be a Christian person today. They are encouraged to accept their personal responsibility to do good and avoid evil, and to become the kind of person God has created them to be. They also spend a quarter doing a service project outside of school.

RE401 Religion 12

Grade Level: 12

Length: Year

Pre-Requisite(s): None

The student will spend two quarters visiting one-on-one with an elderly member in the Kearney community. Within the yearly class structure, the student will do the following: discipleship once they leave Kearney Catholic, justice and peace, Catholicism review, and Christian lifestyles. Each student will complete a senior book to be done before graduating. They will also have a class retreat late spring.

VOCATIONAL BUSINESS & TECHNOLOGY FAMILY & CONSUMER SCIENCE

Business & Technology

BU070 Keyboarding 7

Grade Level: 7

Length: Quarter

Pre-Requisite(s): None

Instruction is designed to improve keyboarding skills and learn basic formatting skills to produce business letters, memos, and reports. Basic formatting rules and proofreading are also taught.

BU082 Computer 8

Grade Level: 8

Length: Quarter

Pre-Requisite(s): None

Students will learn file management using windows explorer and advance their skills using word processing, spreadsheet, internet searching, and powerpoint. Students will also learn the basics of web pages, digital cameras, and scanners.

BU201 Intro to Business

Grade Level: 10-12

Length: Semester

Pre-Requisite(s): None

This is a basic overview of the business world. Some of the topics we discuss are different business structures, how types of governments affect businesses, insurance, stocks, touch on a little personal finance and do some real world related activities. Some of these include playing a simulated stock market contest, preparing checks and reconciling bank accounts, and doing mock interviews.

BU202 Personal Finance

Grade Level: 10-12

Length: Semester

Pre-Requisite(s): None

An introductory course covering the various problems of individual / consumer financial management. Course content topics include: personal budgeting, consumer loans, credit cards and charge accounts, commercial bank services, financial institution services, personal insurance, savings accounts, investments, social security, home ownership and purchase, personal taxes, wills, estate planning, financial and retirement planning.

BU207 Comp. Apps I

Grade Level: 10-12

Length: Semester

Pre-Requisite(s): None

In this class we focus on Microsoft Word and Microsoft Excel. Microsoft Word is a word processing application that is used to produce easy to read, professional looking documents such as letters, resumes and reports. Excel is program that uses "spreadsheets" to track types of business activities. Benefits include the ability to easily perform calculations on data and make changes immediately.

BU209 Comp. Apps. II

Grade Level: 10-12

Length: Semester

Pre-Requisite(s): None

In this class, we emphasize Microsoft PowerPoint and Microsoft Access. PowerPoint is a program that is used to prepare visual slides that are then used to make various types of presentations. Students are required to present in class as part of their grade. Access is a database program designed to store and manipulate vast amounts of information. Access can be used to generate reports, enter, and review data.

BU213 Web Design

Grade Level: 10-12

Length: Semester

Pre-Requisite(s): None

Students will learn general design concepts and the process of developing a web site from sketches to publishing through HTML and Macromedia Dreamweaver MX. Macromedia Fireworks will also be utilized to prepare graphics.

BU302 Economics

Grade Level: 10-12

Length: Semester

Pre-Requisite(s): None

In economics, we study both the behavior of people and the study of efforts to satisfy unlimited & competing wants through the use of scarce resources. We study both microeconomics (small unit behavior & decision-making) and macroeconomics (the economy as a whole). Some of the topics we discuss include competition, money & banking, economic systems, financial investments, populations, unemployment and pricing.

BU303 Computer Programming in JAVA*

Grade Level: 11-12

Length: Year

Pre-Requisite(s): Algebra I and Geometry

This class teaches students the basic principle of programming in JAVA. You will learn the history of programming, languages, proper code, flow charting, and hands-on designing programs in JAVA. A strong math background is helpful and most work is done in class.

BU305 Accounting

Grade Level: 10-12

Length: Year

Pre-Requisite(s): None

Students will study the basic accounting equation, rules for debit and credit for the various types of accounts, steps in the accounting cycle for sole proprietorships within a service business and a merchandising business. Cash control, banking activities, and payroll accounting will also be covered.

BU309 TECHS

Grade Level: 10-12

Length: Year

Pre-Requisite(s): None

TECHS is for students with a strong interest in technology and careers related to that field. Students should have a basic technology understanding and skill in keyboarding, application experience in MS Office, browser awareness, and a general understanding in Windows. Other areas of emphasis will be troubleshooting computer/network problems and building a new computer. Although TECHS is a one year course, a student who successfully completes TECHS prior to their senior year may wish to extend the TECHS experience by serving as a TECHS mentor and provide support for the school network.

BU401 Adv. Accounting*

Grade Level: 11-12

Length: Year

Pre-Requisite(s): Accounting I

Students will learn how to analyze financial statements, study partnership and not-for-profit accounting procedures, and accounting for assets, liabilities, and equity. Students will be introduced to Quickbooks and learn automated accounting procedures.

BU407 Workplace Readiness

Grade Level: 11-12

Length: Semester

Pre-Requisite(s): None

Students will utilize tools for interest, skills surveys and complete career exploration activities. Curriculum will include learning the skills of job seeking, matching the right career/job with the student's personality, lifestyle and future plans. Developing resumes, applications letters, and interviewing will be covered. Students will become acquainted with changes in the workplace and how employees function effectively, develop problem-solving skills, acquire the knowledge, skills and attitudes essential for effective performance in a group and for self-management in the workplace.

Family & Consumer Sciences

CE070 Character Education

Grade Levels: 7

Length: Year

Pre-Requisite(s): None

The students learn the ten pillars of behavior that make up good character: trustworthiness, respect responsibility, fairness, caring, citizenship, honesty, courage, diligence, and integrity.

GI070 Problem Solving 7

Grade Level: 7

Length: Quarter

Pre-Requisite(s): None

This class is a combination of mathematical and scientific problem solving. Students are required to think outside the box and to use their creativity. Students work individually and in groups to work paper-pencil and experiential hands-on problems.

SS080 Study Skills

Grade Level: 8

Length: Year

Pre-Requisite(s): None

The areas covered in this class include: why they should study, how to take notes, how to listen to a lecture, how to study a textbook (including using the SQ3R method), how to take tests (true-false, multiple choice, short-answer, & essay), what makes a good study environment. They will also explore admission requirements for post-secondary education, as well as career options. Students will work individually and in groups on a variety of in-class exercises. They will also be creating a power point presentation on the things they have learned in class, which they will present to the class.

GI080 Problem Solving

Grade Level: 8

Length: Year

Pre-Requisite(s): None

An eighth grade class that teaches students inventive exercises to sharpen skills and raise achievement. These include Odyssey of the Mind activities, problem solving worksheets, money management, and game playing, along with other mind stretching exercises.