

Kindred High School

Curriculum Guide



**Kindred's Mission is to Educate,
Prepare, and Maximize Student
Potential**

2025 - 2026

Student-Centered, Community-Supported

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KINDRED DISTRICT COURSE/GRADUATION REQUIREMENTS

The proper selection of courses by students is an important matter. Each course should be carefully selected as an integral part of the student's four-year educational plan. Carefully considered course selections are equally important to the school district as commitments for staffing for the ensuing year are based on the student selections. All changes must have the approval of the school principal.

REGISTRATION AND COURSE LOAD

Students will register for the next year's classes in the spring of the preceding year. Due to the limited number of PE, art, special projects openings, students may be restricted to the number of these classes that they may take per year. Students will not be allowed to take more than one full time study hall per semester. All students will receive credit for classes at the end of each semester. Example: students in a full year course like algebra will receive 1/2 credit at the end of 1st semester and 1/2 credit at the end of 2nd semester. Any deviation from this procedure must be arranged with and approved by the principal.

GRADUATION REQUIREMENTS FOR KINDRED HIGH SCHOOL

Credits	Required Classes
4.0	Language Arts (English 9, 10, 11 and 1 other)
3.5	Social Studies (World History US History, .5 American Gov., .5 Economics & .5 other)
3.0	Mathematics (Algebra I and 2 other)
3.0	Natural Science (Physical Science, Biology and 1 other)
1.0	Physical Education
0.5	Health
0.5	Consumer and Resource Management
3.0	Fine Arts, Foreign Language, Native American Language, or Career/Technical Ed course
18.5	Required Credits
<u>4.5</u>	<u>Elective Credits</u>
23.0	Total Credits

Correspondence courses/summer school courses will be accepted as credit for graduation only as substitutes for elective courses or required courses that have been previously failed. All graduation requirements must be completed to participate in graduation ceremonies. Correspondence courses must be completed by May 1 of the senior year.

Grade Level Classification (Guide)

Grade	Credit
Freshmen	Completion of Grade 8
Sophomore	5
Junior	10
Senior	16

Early Graduation

Students who have met graduation requirements at the completion of semester 1 of their senior year may participate in graduation ceremonies. Applications to participate in graduation ceremonies must be submitted and approved through the principal/counselor by the end of 1st semester of their Senior year.

DUAL CREDIT/EARLY ENTRY CLASSES

- ❖ College classes will be open to juniors and seniors only.
- ❖ **Early Entry Classes are classes offered ONLINE/INDEPENDENTLY through the perspective college/s. Students are responsible for following course schedule and professor requirements or this could reflect negatively on their COLLEGE transcript.**
- ❖ Students are required to be enrolled in at least five (5) “In-House” classes each semester at Kindred High School in addition to any college class(es) taken.
- ❖ Students may be eligible for enhancement funds through NDSCS Alumni Foundation, while funds are available, towards online courses offered through NDSCS

North Dakota College Access Network (NDCAN), administrated by the Bank of North Dakota (BND), accepts applications from eligible students for financial assistance to pay for Dual Credit courses. Funding is limited. Applications will be considered by submission date. Approved students may receive assistance for one (1) course per semester. To access the Dual Credit applications, go to: https://bnd.nd.gov/pdf/dual_credit_assistance_application.pdf.

Kindred Dual Credit Courses with Partner Colleges

KHS Class/ College Class	College Partner	College Credits
Composition/ENGL 110 (College Comp I)	Valley City State Unv	3
Adv. Composition/ENGL 120 (College Comp II)	Valley City State Unv	3
Oral Communication/ COMM 110 (Fundamentals of Public Speaking)	Valley City State Unv	3
College Algebra/ MATH 103 (College Algebra)	Valley City State Unv	3
Phy. Ed/ HPER 100 (Concepts of Fitness & Wellness)	Valley City State Unv	2
Pre-Calculus/ MATH 107 Pre-Calculus	Valley City State Unv	3
Calculus I/ MATH 165 Calculus I (DC 2 nd Semester)	Valley City State Unv	4
Elementary Statistics/ MATH 210 Elementary Statistics	Valley City State Unv	3
Chemistry/ CHEM 121 General Chemistry I (DC 2 nd Semester)	Valley City State Unv	5
(Online) Introduction to Psychology PSYCH 111	Valley City State Unv	3
(Online) Developmental Psychology PSYCH 250	Valley City State Unv	3
Online Early Entry Courses (Liberal/General Study Classes Available (see Mrs. Lemke for any other classes applying towards major study areas)	NDSCS, Lake Region, DCB, NDSU	Varies on course

****Classes with Valley City are at a special discount rate due to highly qualified teachers at Kindred teaching the courses.**

Students are responsible for the **TOTAL** cost required of course including application fee, tuition, and books. Courses taught by KHS staff are 1/3 of the tuition rate. Students will earn a ½ credit at the high school per semester, but will receive full college credit though partner college, for example English 110 is a 3-credit course. Dual credit English and Math classes require placement scores on the ACT/SAT/Accuplacer and GPA requirement of at least **3.0**

NOTE: Students enrolled in any of the dual credit college courses or correspondence/independent study courses must receive approval from the counselor or principal.

Grade 9	Grade 10	Grade 11	Grade 12
8th grade Student/Parent Freshman Orientation Meeting	Graduation Requirements/ND Scholarship ND State Assessment	FM College Fair Junior Student College Readiness meeting	Senior Student/Parent College Readiness individual meetings
Graduation Requirements/ND Scholarship Requirements	Social Emotional Learning – ACT Mosaic Critical Thinking Study Skills	The Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT)	Social Emotional Learning- ACT Mosaic College and Career Readiness
Learning Style Inventory	Career Exploration	Armed Services Vocational Aptitude Battery (ASVAB)	College Application Day Senior Scholarships
Social Emotional Learning- ACT Mosaic Turbo Leadership Sustaining Effort Getting Along with Others Social Connections	Online and Career Development portfolios. ND Career Information Activities @ RUPReady.nd.gov	Social Emotional Learning- ACT Mosaic College and Career Readiness ACT Test Preparation (Methodize)	Scholarship Updates (online)/Scholarship resume assistance ND Scholarship Information/qualifying/apply.
Fargo Career Expo – promoting industry through hand-on exposure/applications.	Individual student planning for course registration/academic planning	ND Career Information Activities @ RUPReady.nd.gov	ND Career Information Activities @ RUPReady.nd.gov And College Preparedness
ND Career Information Activities @ RUPReady.nd.gov	Work Readiness Skills Career Event hosted by NDSCS	Graduation Requirements/ND Scholarship Information	Financial Aid meeting for Students and Parents Senior Farewell Presentation Final transcript Transition college/work Senior survey
Individual student planning for course registration/academic planning		Individual student planning for course registration/academic planning	Senior Award Presentation

Academic/Career Activities at Kindred High School

Activities are designed to provide information about yourself (interests, abilities, goals, plans, and work values) and how they match with training and career opportunities.

The use of technology within the counseling department and the focus on electronic means of communication is an important tool to reach all students, families, and interested community members. The KHS counseling program has found Schoology to be a valuable platform for communication with students. Updates are sent to students' Class page on Schoology as events arise and well as the KHS main Schoology site. In addition, helpful information can be found on the H.S. Counseling Website via the Kindred Public School Website. Likewise, information is communicated out to parents on each grade level of updates and events being held through the Counseling office. It is VERY important to keep an updated email on file with the High School main office. The registration booklet, ND Information System, 4-year planning guide, scholarships, and more are available via the Kindred Public School Website.

MULTI-TIERED SYSTEM OF SUPPORT

To align special education and general education continuous improvement strategies, the North Dakota Department of Public Instruction (DPI) is focusing on some key initiatives to reduce dropout rates while increasing graduation rates. DPI's goal is to increase districts' capacity around using effective middle and high school tools that will improve outcomes for students. Districts Strategic Plans share a common initiative of developing and implementing equitable district-wide processes to support academic and social emotional growth and mastery of essential learning outcomes, so all students graduate on time, Choice Ready. Our local strategic school improvement plan identifies high-needs students (low to high) in each grade level and design individual academic supports to ensure they can be successful, administer benchmark assessments and analyze data to inform instructional interventions. Part of this process is done using a Multi-Tiered System of Support (MTSS). MTSS is designed to help schools identify struggling students early and intervene quickly. It focuses on the "whole child." That means it supports academic growth, but many other areas, too. These include behavior, social and emotional needs, and absenteeism.

Key Element of Multi-Tiered System of Support

- Universal screening for all students early in each school year
- Increasing levels of targeted support for those who are struggling.
- Integrated plans that address students' academic, behavioral, social, and emotional needs
- A schoolwide approach to student support, with teachers, counselors, psychologists, and other specialists working as a team to assess students and plan interventions.
- Professional development so staff can provide interventions and monitor progress effectively.
- Family involvement so parents and caregivers can understand the interventions and give support at home.
- Frequent monitoring of students' progress to help decide if they need more interventions.
- The use of evidence-based strategies at every tier of support

How the Multi-Tier System Works

Tier 1: The whole class. All students in the general education classroom are in this tier. Teachers use instruction that's proven to work. Students may work in small groups based on their strengths and areas of need. The school monitors all kids' progress. A student who is struggling may move to Tier 2.

Tier 2: Small group interventions. Students in Tier 2 still attend Tier 1 lessons with the rest of the class. But they get more targeted support through small group lessons. It can also mean special teaching, called interventions. A student who isn't making progress may stay in Tier 2 or move to Tier 3.

Tier 3: Intensive individualized support. This tier can mean small group work or individual lessons. Most kids in Tier 3 still spend a lot of the day in the general education classroom. But they may spend more time in a resource room than before.

This is an approach utilized for academic areas in reading and mathematics. MTSS teams review data to help guide initiative of developing and implementing equitable district-wide processes to support academic and social emotional growth and mastery of essential learning outcomes, so all students graduate on time, Choice Ready.

6th-10th Grade Reading Placement Pathway (Kindred Middle/High School)					
Screening	FASTbridge aReading (initial screener) and FASTtrack Reading (2nd screener), Program Placement Test (3rd screener)				
	INTENSIVE	STRATEGIC		BENCHMARK	ADVANCED
Diagnosis Criteria	FASTbridge intensive below 20th percentile	FASTbridge (fluency) and/at/or between the 20th-39th percentile	FASTbridge (fluency) and/at/or between the 20th-39th percentile	FASTbridge and/at/or between 40th-84th percentile	FASTbridge and/at/or 85th percentile and above.
Focus	FUNDAMENTALS	PHONICS	COMPREHENSION	CORE CONTENT	ENRICHMENT
Focus Skills	Basic reading skills: letter/sound correspondence, decoding, fluency, vocabulary, comprehension	Advanced Phonics	Language/Vocabulary and Comprehension	Core Content Aligned to Standards	Core Content Aligned to Standards/Dual Credit Classes
Intervention	Corrective Reading (placement test to determine level) and/or Expressive Writing	Language Live (Placement Test to determine entry level), REWARDS and/or Expressive Writing		Core Content Aligned to Standards	Core Content Aligned to Standards/Dual Credit Classes
Progress Monitoring	Every 3 weeks at Instructional Level	Once every month at grade level		Core Content Assessments	Core Content Assessments
Length of Time	90 minutes daily (core replacement) two class periods a day	45 minutes in addition to Core Language Arts Class (one class period), Five Days per Week	45 minutes in addition to Core Language Arts Class (one class period), Five Days per Week	One Period	One Period
Verify Progress	In Program Assessments & FASTbridge	In Program Assessments & FASTbridge (Fluency & Comprehension)		Chapter/Unit Assessments	Chapter/Unit Assessments
Identify Method to Verify Effectiveness	Benchmark Testing (FASTbridge) Fall, Winter and Spring				
	Next Steps:	Next Steps:	Next Steps:	Next Steps:	Next Steps:
	Corrective Reading Decoding-Comprehension Completion	Language Live (Level 1) Completion - Enter Level 2		Core English/ Language Arts	Advanced Composition
	Corrective Reading Decoding-Comprehension Completion	Language Live (Level 2) Completion - Enter REWARDS			
	Expressive Writing Level 1 Completion - Enter Level 2	Expressive Writing (Level 2) Completion REWARDS Completion			
	Exit: Two consecutive Benchmark assessments above the 40th percentile OR completion of Language Live (Level 2)				
6th-10th Grade Mathematics Placement Pathway (Kindred Middle/High School)					
Screening	FASTbridge aMath (initial screener) and Program Placement Test (secondary screener)				
	INTENSIVE	STRATEGIC		BENCHMARK	ADVANCED
Diagnosis Criteria	FASTbridge intensive and/at/or below 20th percentile	FASTbridge (fluency) and/at/or between the 20th-39th percentile	FASTbridge (fluency) and/at/or between the 20th-39th percentile	FASTbridge and/at/or between 40th-84th percentile	FASTbridge and/at/or 85th percentile and above.
Focus	FUNDAMENTALS	COMPREHENSIVE	COMPREHENSIVE	CORE CONTENT	ENRICHMENT
Intervention	TransMath (Level 1-3)	Essentials for Algebra or Vmath		Core Content Aligned to Standards	Core Content Aligned to Standards/Dual Credit Classes
Progress Monitoring	Every 3 weeks at Instructional Level	Once every month at grade level		Chapter/Unit Assessments	Chapter/Unit Assessments
Length of Time	45 minutes in addition to core, Five Days per Week	45 minutes in addition to core, Five Days per Week	45 minutes in addition to core, Five Days per Week	One Period	One Period
Verify Progress	In Program Assessments & FASTbridge	In Program Assessments & FASTbridge (Fluency & Comprehension)		Chapter/Unit Assessments	Chapter/Unit Assessments
Identify Method to Verify Effectiveness	Benchmark Testing (FASTbridge) Fall, Winter and Spring				
	Next Steps:	Next Steps:	Next Steps:	Next Steps:	Next Steps:
	Complete TransMath 1	Enter: Essentials of Algebra (placement test)		Enter: Algebra, Geometry or Intermediate Algebra	Algebra 2, Calculus, Pre-Calculus, Trigonometry, College Algebra
	Complete TransMath 2				
	Complete TransMath 3				
	Exit: Two consecutive Benchmark assessments above the 40th percentile OR completion of Essentials for Algebra				

CHOICE READY

Choice Ready is an element in the North Dakota accountability system to measure whether our high schools prepare students to be ready for success upon graduation. The metrics outlined within the Choice Ready framework are intended to measure growth for North Dakota high schools as indicated by student readiness in the following areas:

The positive messaging behind the Choice Ready framework is inclusive of all students, and helps students identify career clusters which will prepare and enhance success in any or multiple areas beyond high school. The Choice Ready framework supports the ND Department of Instruction mission *“All students will graduate choice ready with the knowledge, skills, and disposition to be successful”*.



NORTH DAKOTA CHOICE READY

The North Dakota **CHOICE READY** framework is a tool to assist educators to ensure all students successfully depart high school possessing the **ESSENTIAL SKILLS** necessary to be ready for life. The journey begins by ensuring students leave having the **ESSENTIAL SKILLS** to be successful for whichever path they choose. Students shall then strive to be **POST-SECONDARY READY, WORKFORCE READY, and/or MILITARY READY**.



ESSENTIAL SKILLS

Earn a North Dakota high school diploma

Complete a **9-week Career Education Course/Individual Counseling** (15.1-21-18), **Financial Literacy** (15.1-21-21), and pass **ND Civics Test** (15.1-21-27), **Computer Science/Cybersecurity Requirement** (15.1-21-02.2), and **four or more additional indicators**:

- 25 hours of Community Service
 - Two or More Years in Organized Extra-Curricular Activities
 - 95% Attendance (not counting school-related absences)
 - Successfully Complete a Capstone Project
- Career Exploration Experience
 - Successfully Complete an Online Learning Course
 - Two or More Years in Organized Co-Curricular Activities
 - Demonstrate Competency in 21st Century Skills
 - Multicultural Awareness

Students shall then complete two or more of the **CHOICE READY** components below.



POST-SECONDARY READY

Complete a **Four-Year Rolling Career Plan**, and earn a **2.8 GPA or greater**, and complete one academic indicator set below:

ACT / SAT minimum or subsections scores:

ACT English – 18	
ACT Reading – 22	SAT Reading/Writing – 480
ACT Math – 21	SAT Math – 530
ACT Science – 23	

or

Two or more additional indicators:

- Advanced Placement Course (A, B, or C) or (4, 3, or 2)
- Dual Credit Course (A, B, or C) or (4, 3, or 2)
- Algebra II (A, B, or C) or (4, 3, or 2)
- Advanced Placement Exam (3+)
- International Baccalaureate Exam (4+)
- 3.0 GPA in core course requirement for NDUS admission
- CREAM (Eng./Math) Course (70% or greater)
- Complete three Fine Arts Courses (A, B, or C) or (4, 3, or 2)



WORKFORCE READY

Complete a **Four-Year Rolling Career Plan**, and complete two or more additional indicators:

- Complete three CTE courses or more (A, B, or C) or (4, 3, or 2)
- Complete Career Ready Practices (3.0)
- Dual Credit Course (A, B, or C) or (4, 3, or 2)
- WorkKeys (Gold or Silver)
- Technical Assessment/Industry Credential
- Workplace Learning Experience (40 hrs.)
- Work-based Learning Experience (Perkins V) (40hrs)
- NDSA (Reading/Math) Level 3 or greater
- Complete three World Language Courses (A, B, or C) or (4, 3, or 2)



MILITARY READY

Complete a **Four-Year Rolling Career Plan** and obtain an **ASVAB score of 31 or greater** (as determined by branch), or acceptance into the military.

Quality Citizenship (No Expulsions/Suspensions)

Physically Fit (Successfully complete required PE courses (A, B, or C) or (4, 3, or 2))

and

Complete **two or more additional indicators** from the **Post-Secondary or Workforce** options.

or

Complete two credits of JROTC or Civil Air Patrol

or

Complete **two credits** in the Military Pathway Program, selecting from the following 1/2 credit courses:

- Intro to Military Careers
- Military Health & Fitness
- ASVAB Essentials
- Career Foundations in Military Leadership
- Military Leadership Capstone

Revised December 2024

NORTH DAKOTA SCHOLARSHIP

The new North Dakota scholarship was created during the 2021 Legislative Session through the approval of [SB 2289](#). The purpose of the North Dakota Scholarship is to align scholarship requirements to the Choice Ready initiative. The requirements align to Choice Ready, but will be more rigorous than what is required for Choice Ready.

The North Dakota Scholarship has several components. The first component is the Essential Skills. All students must fulfill the requirements of the Essential Skills in order to be eligible for the scholarship. The next three components are Post-Secondary Ready, Workforce Ready, and Military. Students must meet 2 of those 3 components to be eligible. Any student that meets the essential skill requirements, as well as 2 of the 3 (Post-Secondary Ready, Workforce Ready, and Military Ready) components qualifies for the North Dakota Scholarship. This is a **\$6000.00** scholarship to be used in a College/University in the State of North Dakota.



NORTH DAKOTA SCHOLARSHIP as aligned to the Choice Ready Framework

The North Dakota Scholarship framework is a tool to assist educators in understanding the requirements of the ND Scholarship, as listed in North Dakota Century Code 15.1-21-02.10. Requirements begin with the **ESSENTIAL SKILLS** section. Students shall then strive to be **POST-SECONDARY READY, WORKFORCE READY, and/or MILITARY READY**, according to the requirements listed below.



ESSENTIAL SKILLS (15.1-21-02.10(5))

Check here when student has complete Essential Skills

- Earn a **North Dakota high school diploma**
- Complete a **9-week Career Education/Individual Counseling, 4-year Rolling Plan, pass ND Civics Test, earn a 3.0 or higher overall GPA, and four or more additional indicators:**
 - 25 hours of Community Service
 - 95% Attendance (not counting school related absences)
 - Career Exploration Experience
 - Two or more years in organized Co-Curricular Activities
 - Two or more years in organized Extra-Curricular Activities
 - Successfully complete a Capstone Project
 - Successfully complete an online learning course
 - Demonstrate competency in 21st Century Skills

Students shall achieve Essential Skills above, and complete two or more of the CHOICE READY components below to be eligible for the ND Scholarship.



POST-SECONDARY READY

Check here when student is Post-Secondary Ready

Complete both indicator sets below:

ACT/SAT minimum composite score:

- ACT composite of 24 , or
- SAT composite of 1180

and

Two or more additional indicators:

- Advanced Placement Course (A, B, or C) (4, 3, or 2)
- Dual Credit Course (English or Math) (A, B, or C) (4, 3, or 2)
- Algebra II (A, B, or C) (4, 3, or 2)
- Advanced Placement Exam (3+)
- International Baccalaureate Exam(4+)
- 3.0 GPA in core course requirements for NDUS admission
- 3 fine arts courses (A, B, or C) (4, 3, 2)



WORKFORCE READY

Check here when student is Workforce Ready

Complete both indicator sets below:

- 4 credits of CTE with 2 credits in same plan of study, **OR** 3 credits of same world language, Indigenous language, or sign language
- ACT of 24, or 5 or higher on all three WorkKeys tests or SAT composite of 1180

and

Two or more additional indicators:

- Complete Career Ready Practices Course
- Dual Credit Course (A, B, or C) (4, 3, or 2)
- Technical Assessment/Industry Credential
- Workplace Learning Experience (40 hrs.)
- Work-based Learning Experience (Perkins V) (40 hrs.)
- NDSA (Reading/Math) Level 3 or greater, or ACT for Accountability: English 19/Mathematics 22 or greater



MILITARY READY

Check here when student is Military Ready

Complete both indicator sets below:

- ASVAB score of 50 or greater**, or ASVAB score of 31 or greater and have completed Basic Training;
- Physically Fit** – Successfully complete required PE courses (A, B, or C) (4, 3, or 2);

and

One indicator set:

- Complete **two or more** additional indicators from the **Post-Secondary or Workforce options:**
 - _____
 - _____
- 2 credits of JROTC
- Phase One of the Cadet Civil Air Patrol Program

Updated August 11, 2023

<p>KHS Graduation Course Credits</p> <p>English 4</p> <p>Science 3</p> <p>Math 3</p> <p>Social Studies 3.5</p> <p>CTE/FA/FL 3</p> <p>Consumer Resource Management .5</p> <p>Health .5</p> <p>Physical Education 1</p> <hr/> <p>Required Units 18.5</p> <p>Elective Units 4.5</p> <p>Graduation Total 23</p>	<p>Students MUST Qualify in TWO of the three Readiness areas..</p> <p>Postsecondary:</p> <p>Must Have Indicator</p> <ol style="list-style-type: none"> 1. Receive 24 on ACT or 1180 of SAT <p>Two or More:</p> <p>Advance Placement Course (A,B, C)</p> <p>Advance Placement Exam (3+)</p> <p>Algebra II (A, B, C)</p> <p>3.0 GPA in course requirements for NDUS admission</p> <p>Dual Credit- English/Math (A, B, C)</p> <p>Workforce Ready:</p> <ol style="list-style-type: none"> 1. 4 Units of CTE in which 2 units must be from a coordinated plan of study; example Ag Ed I and Ag Ed II (1 unit each) would be a Coordinated plan- would need 2 additional (any CTE) OR 3 year same World Language 2. Receive a 24 on ACT or three 5's on the WorkKeys Test. WorkKeys is offered online thru the high school counseling office for a fee. <p>Two or More:</p> <p>Complete Career Ready Practice Course</p> <p>Dual Credit Course (A, B, C)</p> <p>Technical Assessment/Industry Credential</p> <p>Workplace Learning Experience (40 hours)</p> <p>Work-based Learning Experience (40 hours)</p> <p>NDSA (Reading/Math) Level 3 or greater</p> <p>Military Ready:</p> <ul style="list-style-type: none"> • ASVAB score of 50 or greater, or ASVAB score of 31 or greater and have completed Basic Training • Physically Fit – completed PE course (A, B, C) <p>Two or More:</p> <p>Complete two or more additional indicators from the Post-Secondary or Workforce ready options.</p>	<p>ND University System</p> <p>4 units of English</p> <p>3 units of math (Alg I or higher-Consumer Math does NOT count)</p> <p>3 units of social studies</p> <p>Note: Although not required, NDUS recommends advance algebra and at least 2 foreign language courses. Some college programs may require additional courses.</p> <p>These requirements are not in effect at two-year NDUS colleges. You can attend a 2-year college and after successfully completing 23 credits, be eligible to transfer to a 4-year university</p> <p>MINNESOTA STATE COLLEGES AND UNIVERSITIES</p> <p>4 years English</p> <p>3 years Math (Alg I or above)</p> <p>3 years lab science</p> <p>3 years social studies</p> <p>2 years world language</p> <p>1 year of either world culture or fine arts</p> <p>SOUTH DAKOTA PUBLIC OF HIGHER EDUCATION</p> <p>4 years of English</p> <p>3 years advanced math (Alg I or higher)</p> <p>3 years lab science</p> <p>3 years social studies</p> <p>1 year of fine arts</p>	<p>DIVISION I 16 CORE COURSE RULE</p> <p>4 years of English</p> <p>3 years of Math (Agl. I or higher)</p> <p>2 years of natural/physical science</p> <p>1 year of additional English, math, or natural/physical science</p> <p>2 years of social science</p> <p>4 years of additional courses (from any area above including foreign language)</p> <p>Core GPA 2.30</p> <p>DIVISION II 14 CORE COURSE RULE</p> <p>3 years of English</p> <p>2 years of Math (Alg I or higher)</p> <p>2 years of natural/physical science</p> <p>3 years of additional English, math, or natural/physical science</p> <p>2 years of social science</p> <p>4 years of additional courses (from any area above including foreign language)</p> <p>Core GPA 2.20</p>
<p>ND Scholarship Requirements</p> <p>\$1500 per year up to 6 years to student who enroll at a ND College/University</p> <p>A Student Must:</p> <ol style="list-style-type: none"> 1. Be a ND resident 2. Graduate from a ND high school 3. Obtain a grade at or above a "C" in each course required for graduation 4. Have a cumulative GPA of at least a 3.0 5. Complete 4 out of 8 Essential Skills 			

ATHLETICS

Football – Fall Sport, begins in August; 7th/8th Grade, Junior Varsity, Varsity

Volleyball – Fall Sport, begins in August; 7th/8th Grades, Junior Varsity, Varsity

Cross Country – Fall Sport, begins in August; Boys and Girls

Girls' Basketball – Winter Sport, begins in November; 7th/8th Grades, Junior Varsity, Varsity

Wrestling – Winter Sport, begins in November; Junior Varsity, Varsity

Boys' Basketball – Winter Sport, begins in November; 7th/8th Grades, Junior Varsity, Varsity

Vikettes – Winter Sport

Boys' Golf – Spring Sport, begins in April

Girls' Golf - Spring Sport, begins in April

Girls' Soccer – Spring Sport, begins in April (Co-op with West Fargo)

Baseball – Spring Sport, begins in March

Softball – Spring Sport, begins in March

Track – Spring Sport, begins in March; Boys and Girls

KINDRED CLASSES THAT ARE NCAA APPROVED

English	Math	Science	Social Science	Other
English 9 English 10 English 11 English 12 Composition Adv Comp Fiction Journalism Literature for Readers Oral Communication (Speech)	Algebra I Algebra II Geometry College Algebra Precalculus Calculus I Elementary Statistics	Biology Physical Science Human Anatomy Physics Environmental Science Chemistry	American Government Economics Psychology Sociology US History World Geography I World History ND Studies	Spanish I Spanish II French I French II

This reflects the course offerings for NCAA at Kindred High School. College bound athletic students should be aware of ALL requirements for NCAA. Registration process for NCAA should be started freshman year. Note that there is a GPA core score and ACT/SAT scores are taken in consideration. For additional details/information see the counseling office or go to <http://www.ncaa.org/>

CO-CURRICULAR ACTIVITIES

<p>Student Council – (Year-Round) Students are elected by the student body to represent their class. Student Council is the student governing body of Kindred High School.</p>	<p>Drone Club - (Year-Round) Explore the exciting world of drones! In Drone Club, students will learn about drone technology, safety, and responsible use while gaining hands-on experience in piloting drones. The club also focuses on STEM principles, including engineering, coding, and physics, as they relate to drone operation and design. Whether you're a beginner or an experienced pilot, Drone Club is a great way to develop skills, collaborate with peers, and discover new applications for drone technology</p>
<p>FFA – (Year-Round) provides training for agricultural and general leadership. It provides an opportunity to compete at the local, state, and national levels in various competitions.</p>	<p>One-Act Play – (Fall) students will audition for the theme play, have opportunities to compete in dramatic competition, be a part of a live production, stage crew, interact with acting crew to demonstrate drama talents, leadership skills, as well as artistic talent.</p>
<p>Yearbook Club – (Year-Long) Yearbook Club is an activity that gives students experience in print media publishing. Students are tasked with a variety of jobs in the completion of the Kindred High School annual yearbook including photography, page layout design, journalism, sales, and marketing.</p>	<p>Speech – (Fall; Spring) Speech is a highly rewarding individual and team activity! You will use the skills you learn in speech for the rest of your life. There are 14 different speech events which include a wide variety of types of speaking. Some events look a lot like acting (with a script and characters), others involve off-the-cuff speeches on a given topic, while others require you to write your own speech.</p>
<p>FCCLA – (Year-Round) Family, Career and Community Leaders of America (FCCLA) is a national Career and Technical Student Organization (CTSO) for young men and women in Family and Consumer Sciences (FCS) education. FCCLA offers intra-curricular resources and opportunities for students to pursue careers that support families. FCCLA members will have the opportunity to work with families, careers, and communities by addressing important personal, work, and societal issues through Family and Consumer Sciences education.</p>	<p>PAY – (Year-Round) The organization of Pay (Philanthropy and Youth) is to develop the philanthropic spirit in high school students by cultivating passion and purpose through leadership development, and proactive community impact. PaY is designed to introduce local high school students to the importance of leadership through grant-making and Philanthropy.</p> <p>Art Club - (Year-Round) In Art Club students have the opportunity to participate in competitions, special arts experiences and art advocacy projects. Together with the Kindred Area Arts Partnership (KAAP) we work to grow the arts in our school and community.</p>
<p>Three Act Play - The Three Act Play is designed to introduce and immerse students in a full theatrical experience. We focus on developing acting skills and self-expression, as well as learning technical elements such as set building, lights/sound operation, and backstage work.</p>	<p>French Club: (Year Round) All KHS students are welcome to join French Club, regardless of whether they are currently enrolled in a French class. Members will have the opportunity to engage in a variety of French cultural activities, such as cooking, music, and film, while also practicing and improving their French language skills through conversation and other interactive experiences. The club offers a fun environment for all students to explore and appreciate the French-speaking world.</p>
<p>Jazz Band – (Year-Round) Jazz Band is available to Band Students by audition or by Director selection. The goal is to develop the musical skills required to play and perform different styles of music such as Swing, Funk, Latin, Rock, Big Band, Blues, etc. Students meet before school two days a week and perform periodically.</p>	

Being involved in Extra-Curricular Activities (Athletics) and Co-Curricular Activities is a **GREAT** way to be involved in your school. Not only does it give you a wonderful opportunity to “be involved” it also gives you an opportunity to meet new people, be part of team activities, build character, leadership skills, conflict resolution, and enhances your ability to socialize! Maybe you are not a “front-line” person that would like to be part of the “BIG” show.....no problem, there is **ALWAYS** plenty of ways that you can help being “behind the scenes”. Maybe you are not sure if a certain co-curricular activity is for you or maybe you are a little shy to get involved.... just ask your counselor to point you in the direction of the program advisor. They will be happy to help!

KINDRED HIGH SCHOOL FOUR YEAR PLANNING FORM

Student Name _____ Date _____

COURSE	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
English (4 required)	English 9 (1)	English 10 (1)	English 11 (1)	English 12 or Comp/Adv Comp (1)
Math (3 required)	Trans Math 2 Trans Math 3 Essentials for Algebra I Algebra I Geometry (1)	Trans Math 3 Essentials for Algebra I Algebra I Geometry Algebra II (1)	Essentials for Algebra I Informal Geometry Intermediate Algebra Algebra II Pre-Calculus College Algebra	Informal Geometry Consumer Math/CCR Tech Math Intermediate Algebra Algebra II College Algebra Pre-Calculus Calculus I Elementary Statistics
Science (3 required) *Must Take	*Physical Science (1)	*Biology (1)		
Social Studies (3.5 required) * Must Take		*World History (1)	*U.S. History (1)	*American Gov/ *Economics (1)
PE/Health (1.5 required)	*PE 9 (1/2) *Health (1/2)		*Weight Lifting or PE (1/2)	
Consumer Resource Mgmt. (1/2)			*CRM (1/2)	
Foreign Language/ Fine Arts/CTE (3 Required)				
Electives (Minimum 4.5 required)				
TOTALS				
23 CREDITS REQUIRED				

TOTAL FOR ALL FOUR YEARS _____

KHS ND Association of Honor Society

All Kindred High School Students Qualifying for Membership;

During a school year, Kindred High School recognizes and honors students for their outstanding academic achievements. Moreover, students are recognized for their participation in athletics and their involvement in other activities and organizations.

One honor, however, seeks to recognize those students who have excelled in both areas- the curricular and the co-curricular. Furthermore, this honor places heavy emphasis on character. This distinctive honor is elected, awarded membership in the KHS Honor Society affiliated with the North Dakota Association of Honor Societies (NDAHS).

Students neither join the KHS Honor Society nor gain membership as a reward. Rather, qualified students are selected, elected and then are awarded membership by a majority vote of the Faculty Council based on scholarship, leadership, service, and character.

The first important curricular requirement for membership is the attainment of a 3.75 or higher academic grade point average (percentage) over a period of six semesters of high school.

The second requirement for membership is the accumulation of points in four categories, over a period of seven semesters, for participation and achievement in co-curricular activities.

A third important requirement for membership is the maintenance and manifestation of desirable character traits—poise, honesty, courtesy, obedience, respectfulness, reliability, cooperation, etc. A candidate for membership in the KHS Honor Society is expected to uphold high principles of ethics and morality and is obligated to maintain and extend those qualities that resulted in his or her nomination or election.

Forms can be made available to all Kindred High School students requesting them, to ensure that all students are made aware of the criteria, which needs to be met to merit election. Remember that the criteria for election to the KHS Honor Society is high achievements in both curricular and co-curricular endeavors, while at the same time, maintaining high ethical standards. It is this combination of excellence that the organization seeks to recognize and honor. With the honor of membership will come the student's "obligation to use their talents, skills, and knowledge for the betterment of others: and that those who are so honored will behave honorably, generously and responsibly.

There are several intrinsic reasons a student may desire election to the KSH Honor Society (NDAHS). Membership in the Honor Society is one of the highest honors that can be awarded to a high school student. Quite simply, it has a great deal of prestige. Membership is also a strong indicator of a student's overall preparation for the future: namely, college, career, government, and life itself.

In addition to the intrinsic honors of membership, there are several more immediate or tangible benefits for the students who merit election, which are the following:

- A. Recognition at senior award ceremony in the fall of the year.*
- B. A membership certificate and pin, bearing the NDAHS insignia.*
- C. Recognition in the commencement program and entitlement to wearing the identifying NDAHS insignia.*
- D. Various news releases and a pictorial recognition in the school yearbook.*

Most importantly, the highest award is the student's realization that membership is one of the highest honors that can be awarded to a high school student; and that is a mark of distinction on one's record that engenders pride and rewards for years to come.

Leslie Lemke, Honor Society Advisor

COURSE DESCRIPTIONS

****All courses offered are subject to staff and course availability. KHS cannot guarantee any certain course will be offered each year, even if it is requested during registration. Course selection is based on student requests, course section needs, and staff availability.**

AGRICULTURAL EDUCATION

Agricultural education is composed of three equal parts: classroom/laboratory, FFA and supervised agricultural experiences (SAE). Therefore, students enrolled in any agricultural education class will be members of the local FFA chapter and will be required to perform some sort of agricultural career experience outside of the classroom. Arrangements will be made with the teacher to find suitable career experience opportunities for each student. Additionally, this course emphasizes leadership development and service learning both in school and the community.

*******PLEASE NOTE~ AGRICULTURE – STEM OPPORTUNITIES (Science, Technology, Engineering and Mathematics) ARE OFFERED DURING DIFFERENT YEARS (ODD OR EVEN). CAREFULLY LOOK AT WHEN THE COURSE IS BEING OFFERED IN CONJUNCTION WITH YEAR WHEN DECIDING COURSES.**

AGRISCIENCE I: INTRODUCTION TO AGRICULTURAL OPPORTUNITES

Course Code: # 101044c_F/101044c_S (01011)

Grade: 9 (Elective)

Credit/Length: 1 credit/Full Year

Prerequisites: None

North Dakota's No. 1 source of income comes from agriculture, and Kindred is an agricultural community. This class is designed as a basic steppingstone to the many opportunities that agriculture has to offer and provide them with an opportunity to enhance their perception of agriculture and its many opportunities. Students will develop skill sets in the areas of leadership and communications, woodworking, metal working, plant science, animal science, financial record keeping and agribusiness, natural resources management and soil science. As a major part of this course, students will participate in exciting hands-on activities and real-world projects that encourage problem solving and scientific reasoning throughout the year.

Topics covered include:

- FFA and Leadership Development
- Animal Science
- Plant Science
- Agricultural Mechanics
- Agribusiness
- Ag Science

Learning activities will emphasize opportunities and careers in all aspects of the agricultural industry through the use of classroom, laboratory and field experiences.

AGRISCIENCE II: AGRISCIENCE AND MECHANICS APPLICATIONS

Course Code: #101012_F/101012_S (01012)

Grade: 10 (Elective)

Credit/Course Length: 1 credit/Full Year

Prerequisite: Agriscience I

This course is designed to provide students with an opportunity to gain insight into the wide array of career opportunities in agricultural science and mechanics. Students will develop technical skills in solving problems, while exploring natural resources, plants, animals and food. Students will design, engineer and build multiple projects that develop their problem-solving skills through hands-on, inquiry-based activities that incorporate the math and science of agricultural mechanics and engineering. Students will investigate, experiment and learn about documenting a project and solving problems.

Topics covered include:

- Leadership/Parliamentary Procedure
- Natural Resources
- Plant Science
- Animal Science Nutrition
- Food Science
- Marketing
- Carpentry
- Welding

- Cold Metal Working

Learning activities will emphasize opportunities and careers in the agricultural science and mechanics industry using classroom, shop/laboratory and field experiences.

AGRISCIENCE AND WORLD AGRICULTURE (Odd Years Only)

Course Code: #01021

Grade: 11-12 (Elective)

Credit/Course Length: 1/2 credit/1 semester.

Prerequisite: Agriscience II

This course is designed for students to utilize prior agricultural knowledge to solve real-world problems. Students will develop knowledge and skills pertaining to global sustainability as it relates to agriculture, biotechnology and its use in today's world, and the production of biofuels. Students will conduct a self-directed Agriscience research project, produce biofuels and explore the many opportunities in biotechnology.

Topics covered will include:

- Sustainability
- Agri-Chemistry
- Agricultural Issues
- Cellular Biology
- Hunger awareness
- International & Global Agriculture Issues
- Entomology
- Biofuels
- Biotechnology
- Agriscience Research Project

Learning activities will emphasize opportunities and careers in the Agriscience industry through the use of classroom, laboratory and field experiences

VETERINARY SCIENCE (Even Years Only)

Course Code: #01067

Grade: 11-12 (Elective)

Credit/Course Length: 1/2 credit/1 semester.

Prerequisite: None

This course is designed to provide students with an opportunity to study animals and gain a basic understanding of veterinary procedures. Students will develop skills in the identification and management of small animal and livestock species, introduction to proper vet science practices and procedures and gain valuable insight into animal science.

Topics covered include:

- Livestock and Small Animal Species
- Animal Diseases
- Veterinary Procedures
- Livestock and Pet Management
- Animal Production
- Current Animal Husbandry Issues

Learning activities will emphasize opportunities and careers in the animal and veterinary science industry through the use of classroom, laboratory and field experiences.

BOTANY / HORTICULTURE

Course Code: #101053F/101054S (1053/1054)

Grade: 11-12 (Elective/Science)

Credit/Course Length: 1 credit/ Full Year.

Prerequisite: None

This course is designed to provide students with knowledge of horticulture and plant science. The course will examine the importance of plant cell structures, functions of cells, plant process, nonvascular plants, vascular plants, roots stems, leaves, flowers and reproduction of plants. Students will develop skills in greenhouse management, plant identification, landscape design and floral design. Students will prepare plants for different projects and sales throughout the year, design and construct landscape plans and develop a raised garden bed plan.

Topics covered include:

- The Science and Structure of Plants
- Soil, Water and Climate
- Greenhouse Management
- Floral and Landscape Design
- Plant Pathology
- Plant Reproduction

Learning activities will emphasize opportunities and careers in the plant science, landscape and greenhouse industry through the use of classroom, laboratory and field experiences.

WILDLIFE AND NATURAL RESOURCE MANAGEMENT/ENVIRONMENTAL SCIENCE (Odd Years Only)

Course Code: #01063

Grade: 11-12 (Elective)

Credit/Course Length: 1/2 credit/1 semester

Prerequisite: None

This course is designed to provide students with an opportunity to study the wildlife and natural resources of North Dakota. Students will develop skills in identification and management of wildlife species, testing water and soil quality and gain valuable insight into the different natural resources and their management. Students will develop an environmental science portfolio, which encompasses wildlife and natural resources management plans. They will also conduct a variety of different experiments, learn about different environmental technology and research current environmental issues. Topics covered include:

- Wildlife Species and Management
- Soil, Water and Climate
- Biodiversity
- Natural Resource Management
- Green Energy Technologies
- Current Environmental Issues

Learning activities will emphasize opportunities and careers in the wildlife and natural resource industry through the use of classroom, laboratory and field experiences.

FOOD SCIENCE AND TECHNOLOGY

Course Code: #01068

Grade: 11-12 (Elective)

Credit/Course Length: 1/2 credit/1 semester

Prerequisite: None

This course is designed to provide students with the opportunity to learn and understand the science of food production. Students will develop skills in processing different food items, food safety and food product development. Students will gain experience in producing a product, marketing food, food preservation and food chemistry.

Topics covered will include:

- Science and Steps of Processing
- Grain Processing
- Dairy Processing
- Fruit/Vegetable Processing
- Meat Processing
- Food Safety and Sanitation

Learning activities will emphasize opportunities and careers in the food science industry through the use of classroom, laboratory and field experiences.

AGRONOMY SCIENCE (Even Years Only)

Course Code: #01025

Grade: 11-12 (Elective)

Credit/Course Length: 1/2 credit/1 semester

Prerequisite: None

This course is designed to provide students with an opportunity to study crops of North Dakota and gain a basic understanding in the field of agronomy. Students will develop skills in the identification and management of multiple agronomic crops, proper chemical applications, and disease and pest management. Students will explore the different pieces of equipment used to manage crops, develop a crop plan, scout fields, and experiment with different crop varieties.

Topics covered include:

- Agronomic Species
- Disease and Pests
- Planting and Harvesting Applications
- Proper Field Management
- Chemical Applications
- Genetics of Crops

Learning activities will emphasize opportunities and careers in the agronomy science industry through the use of classroom, laboratory and field experiences.

ELECTRICAL WIRING AND FRAMING CONSTRUCTION (Even Years Only) – FORMALLY ELECTRICAL WIRING AND ENGINEERING (Spring Course, when possible)

Course Code: #01043

Grade: 11-12 (Elective)

Credit/Course Length: 1/2 credit/1 semester

Prerequisite: None

This course is designed to prepare students for technological opportunities related to electricity and electrical wiring. Students will develop skills and knowledge in electrical theory, interpret electrical drawings, electrical wiring and electrical safety. Students will design and engineer a variety of electrical projects, wire outlets, lights and switches, and use current technology to calculate watts, amps, volts and ohms. Students will put electrical circuit knowledge to practice while learning structural construction including framing walls and small structure fabrication.

Bullet Points:

- Electrical Theory
- Wiring Diagrams
- Electrical Safety
- Framing Walls
- Structural Engineering
- Building a small standing structure (shed)

Learning activities will emphasize opportunities and careers in the electrical engineering industry through the use of classroom, shop/laboratory and field experiences.

ENGINEERING, MECHANICAL TECHNOLOGY AND CAD DESIGN (Odd Years Only)

Course Code: #01044

Grade: 11-12 (Elective)

Credit/Course Length: 1/2 credit/1 semester

Prerequisite: None

This course is designed to prepare students for technological opportunities related to the computer aided drafting (CAD) and agricultural engineering industry. Students will develop skills in engineering, project design, operate a variety of technological equipment and work with different Computer Aided Drafting software programs. Students will design and engineer a variety of projects using CAD software and use and operate current technology used in the agricultural industry.

Topics covered will include:

- Basic Computer Aided Drafting Skills
- CAD Torchmate Plasma Cutting Table
- CAD CNC Router
- CAD Farmbot
- Drone/Robotic Engineering
- Introduction to 3D Engineering

Learning activities will emphasize opportunities and careers in the mechanical engineering industry through the use of classroom, shop/laboratory and field experiences.

CARPENTRY & CONSTRUCTION TECHNOLOGY

Course Code: # 11043 (01043)

Grade: 11-12 (Elective)

Credit/Course Length: 1/2 credit/1 semester

Prerequisite: Agriscience II

This course is designed to prepare students for career opportunities in wood building design, engineering and construction and carpentry processes. Students will develop skills in woodworking by using a variety of different power tools, building engineering and construction and carpentry practices. Students will design and construct both small and medium projects, along with a small building.

Topics covered include:

- Woodworking Methods
- Construction Materials
- Building and Project Design and Print Reading
- Construction Wall, Floor and Ceiling Framing
- Roof, Rafter and Truss Design
- Project Construction

Learning activities will emphasize opportunities and careers in the woodworking and construction trades industry through the use of classroom, shop/laboratory and field experiences.

AGRICULTURAL MECHANICS POWER SYSTEMS – FORMALLY SMALL ENGINES

Course Code: #01045 (01045)

Grade: 11-12 (Elective)

Credit/Course Length: 1/2 credit/1 semester

Prerequisite: Agriscience II

This course is designed to reinforce and extend students' understanding of applied mechanical applications by associating scientific principles and concepts with relevant applications in fields associated with mechanics. Students will be exposed to fluid, electrical, and thermal power that are associated with the field of agriculture. Course is designed to provide students with applied activities which may include small engine maintenance and repair, agricultural power and equipment, robotics, renewable energy and precision ag systems. Leadership development and supervised agricultural experiences are integral to these courses.

- Classification of Engines
- Engine Operation
- Parts of the Engine
- Engine Maintenance + Troubleshooting
- Agricultural Equipment/Computer Systems
- Hydraulic Systems

Learning activities will emphasize opportunities and careers in the small engine industry through the use of classroom, shop/laboratory and field experiences.

WELDING

Course Code: #101044b (01044)

Grade: 11-12 (Elective)

Credit/Course Length: 1/2 credit/1 semester

Prerequisite: Agriscience II

This course is designed to provide students with a background in metal engineering, blueprint reading, material selection and identification, repair procedures and welding fabrication methods. Students will develop and improve basic welding skills and project fabrication using multiple welding methods. Students will design, engineer and fabricate both small and medium projects, along with a large metal project.

Topics covered include:

- Types of Welding/Safety
- Shielded Metal Arc Welding Skills
- Gas Metal Arc Welding Skills
- Tungsten Inert Gas Welding Skills
- Plasma Arc Cutting Skills
- Welding Fabrication

Learning activities will emphasize opportunities and careers in the welding industry, through the use of classroom, shop/laboratory and field experiences.

AGRICULTURAL BUSINESS MANAGEMENT (Even Years Only)

Course Code: #101045C (01035)

Grade: 11-12 (Elective)

Credit/Course Length: 1/2 credit/1 semester

Prerequisite: None

This course is designed to provide students with the opportunity to explore sales, marketing products and business operations and management. Students will develop skills in selling and marketing products, employability skills and business strategies and management. Students will develop a personal portfolio, selling presentations and advertisements, along with solving business practicums and developing a business plan.

Topics covered include:

- Business management and leadership
- Marketing and sales skills
- Advertising and promotions
- Financial management and budgeting
- Resumes and interviewing
- Agribusiness careers

Learning activities will emphasize opportunities and careers in the sales, marketing and business industry through the use of classroom, shop/laboratory and field experiences.

COMMUNITY DEVELOPMENT (Odd Years Only)

Course Code: #01993

Grade: 11-12 (Elective)

Credit/Course Length: 1/2 credit/1 semester

Prerequisite: None

This course is designed to provide students with the opportunity to understand the principles and fundamentals of community development and gain an appreciation of essential community needs. Students will have the opportunity to study the community development process and select, plan, and implement a community development project or projects. Community leadership development and service learning are integral to the success of this course. Students will develop skills in leadership development and service learning.

Topics covered include:

- The planning and implementation of a Community Service Plan
- Leadership Development
- Service Learning
- Basic woodwork to complete projects
- Basic metal working to complete projects
- Creating budgets
- Advertising and promoting of Community Service projects

Learning activities will emphasize leadership opportunities through the use of classroom, shop/laboratory, and field experiences.

INDIVIDUAL AGRICULTURAL STUDIES-PREARRANGED/APPROVAL

Course Code: #01990

Grade: 11-12 (Elective)

Credit/Course Length: 1/2 credit/1 semester

Prerequisite: 3 credits AgriScience

This course is designed to provide students with an opportunity to expand and explore a specific topic of their choosing in the areas of science, technology, engineering and mathematics. Students will further develop the skills they gained in previous classes by developing a plan of study with the teacher and carry out the project.

Example opportunities include:

- Design, Engineer, and Develop a Cost of Materials and Build a Large Project
- Research and Develop Scientific Experiments on a Specific Topic
- Research, Build and Implement Technology on a Specific Topic

This class is offered by arrangement only, so you must talk to Ag Teacher to approve

SUPERVISED AGRICULTURAL EXPERIENCE (SAE)-ARRANGEMENT ONLY

Course Code: #010995

Grade: 9-12 (Elective)

Credit/Course Length: 1/2 credit/1 semester

Co/Prerequisite: AgriScience I

This course is designed to give students an opportunity to expand and grow their skill set through a supervised agricultural experience (SAE). Students will be able to take what they learned in school and their agricultural education classes and apply it to a workplace experience. This experience also provides students with the opportunity to gain new knowledge that might not be found in a normal classroom. This course will be offered for ½ credit per year. A student can enroll in this course each year for four consecutive years (if desired). In order to earn the ½ credit, the student must perform a **minimum of 100 hours** of work in their Supervised Agricultural Experience Program from **January 1-December 31**. Two visitations from the instructor will occur at the student's place of work/experience. Additionally, the student must fill out and submit a proficiency award application or complete an essay, which needs to be turned into the instructor by April 1.

This class is offered by arrangement only, so you must talk to Ag Teacher to approve

AVIATION TECHNOLOGY

AVIATION TECHNOLOGIES I

Course Code: #17812

Grade: 10 – 12 (Elective)

Credit/Course Length: 1 credit/Full Year

Prerequisite: None

Exposes students to careers in the field of aviation, such as air traffic control, flight dispatching and airport management, etc. The course covers fundamentals of flight, flight operations, aviation weather, performance and navigation. Units of instruction include flight history, safety, space, airport layout, aeronautical charts, radar, radio procedures, aerodynamics, weather patterns and hazards. Emphasis on applied academics in math and science are integrated, along with decision-making principles as it applies to flight-related factors. Lessons are enhanced by guest speakers and field trips to local airports and aviation sites.

AVIATION TECHNOLOGIES II

Course Code: #17813

Grade: 11 – 12 (Elective)

Credit/Course Length: 1 credit/Full Year

Prerequisite: Aviation Tech I

This course is a continuation of concepts learned in Aviation I. This course will cover advanced flight topics from area Aviation experts. Students will be exposed to new concepts in UAS and drone technology as well as expanding topics covered in Aviation I to an advanced level. Students will be preparing to pass the Federal Aviation Administration (FAA) private pilot written exam. Successful completion of Aviation I is a prerequisite.

BUSINESS EDUCATION

BUSINESS FUNDAMENTALS

Course Code: #01063

Grade: 9-12 (Elective)

Credit/Course Length: 1/2 credit/1 semester

Prerequisite: None

To introduce students to the world of business and prepare for the economic roles of consumer, worker, and citizen. Students will develop an understanding of the important part that business plays in our daily lives as well as develop the ability to use business services intelligently. Students will gain an understanding of the principles and procedures of business and awareness of career opportunities in the field.

ACCOUNTING I

Course Code: #103031F (14010)

Grade: 11-12 (Elective)

Credit/Course Length: 1/2 credit/

Prerequisite: None

Students will learn the fundamentals of accounting principles that include terminology, accounting cycle, basic knowledge necessary to keep a simple set of books, financial statements, roles of accountants, and ethics in accounting.

ACCOUNTING II

Course Code: #103031S (14011)

Grade: 11-12 (Elective)

Credit/Course Length: 1/2 credit/

Prerequisite: Account I

Students in Accounting II will continue learning the fundamental concepts of accounting. Topics covered include terminology, accounting cycle, basic concepts, financial statements, roles of accountants, and ethics in accounting.

BUSINESS LAW

Course Code: #13090 (14090)

Grade: 11-12 (Elective)

Credit/Course Length: 1/2 credit/1 semester

Prerequisite: None

Business Law emphasizes the individual's rights and responsibilities under the law. Business Law is a study of basic principles common to a broad base of everyday business activities in which an individual is likely to become involved. It is useful to students for personal reasons and can be valuable as background information to individuals who are entering business careers. The course helps make the student a better citizen as he/she realizes that laws are made for the protection of people and their property as well as for the punishment of wrongdoers. Business law develops in the student the ability to know and apply the essential principles of law to the student's day.

WORD PROCESSING (formally Computer Applications I)

Course Code: #123011F_S (14096)

Grade: 9 -12 (Elective)

Credit/Course Length: 1/2 credit/1 semester

Prerequisite: None

Microsoft Word is the leading document creation tool for both business and personal use. Students will learn to improve and enhance professional documents with confidence. Advance techniques will be practiced accelerating skills in document creation, business letters, envelopes, labels, flyers, reports, and newsletters. Improved productivity will be developed by using timesaving shortcuts, which will be essential for college and business.

SPREADSHEETS (formally Computer Applications II)

Course Code: #13111 (14025)

Grade: 9 -12 (Elective)

Credit/Course Length: 1/2 credit/ 1 semester

Prerequisite: None

Microsoft Excel is the industry leader in business productivity tools. Students will uncover the unlimited capabilities in Excel to analyze business trends, solve problems for business, and personal use. This course includes the design and use of worksheets, writing formulas, managing data, analyzing data, charting data, and using pivoting charts and tables. This is essential for business and college report/research.

DESKTOP PUBLISHING

Course Code: #13354 (14098)

Grade: 10 -12 (Elective)

Credit/Course Length: 1/2 credit/ 1 semester

Prerequisite: Word Processing

This one-semester course provides skill development in the electronic procedures of producing and editing publications. Students will create, format, illustrate, design, edit/revise, and print publications. Improved productivity of electronically produced newsletters, flyers, brochures, reports, advertising materials, and other publications is emphasized. A highlight of the class is creating an iMovie of Homecoming.

MULTIMEDIA

Course Code: #13354 (14098)

Grade: 10 -12 (Elective)

Credit/Course Length: 1/2 credit/ 1 semester

Prerequisite: Word Processing or Spreadsheets

Students will use digital images and videos to create meaningful documentation production, and presentations. Students will gain knowledge in the areas of image-editing, animation, file compression digital audio/video editing, and planning for multimedia applications. Enhancements include proper formatting and appropriate use of graphics, animations, and transitions.

WEB PAGE DESIGN

Course Code: #13354WB (14022)

Grade: 11 -12 (Elective)

Credit/Course Length: 1/2 credit/ 1 semester

Prerequisite: None

This course will introduce Dreamweaver software used to enhanced knowledge to create and design Web pages. Skills will be applied using the internet as a tool for gathering information. Knowledge will be demonstrated through presentation, or Web page creation of a specific approved topic.

COMPUTER SCIENCE

INTRO TO COMPUTER SCIENCE

Course Code: #20311 (Not a ND Scholarship qualifying CTE class)

Grade: 9 -12 (Elective)

Credit/Course Length: 1 credit/Full year

Prerequisite: None

This survey course offers students a hands-on introduction to computer science. Students learn the art of computer science while having fun and creating interactive games. Students will learn about the big ideas in computing such as abstraction and design and will explore various aspects of computing relevant to themselves and to society. During the first few months of the year, Intro to Computer Science uses "Snap!" an approachable visual block-based programming language; with a robust tool set, perfect for introducing students to coding for the first time. The remainder of the year, Into to CS uses a text-based programming language called Python which is used throughout the industry for app development.

AP COMPUTER SCIENCE-A

Course Code: #23580/23580s (Not a ND Scholarship qualifying CTE class)

Grade: 10 - 12 (Elective)

Credit/Course Length: 1 credit/Full year

Prerequisite: Intro to Computer Science

AP Computer Science A is equivalent to a first-semester, college-level course in computer science for CS majors. The course introduces students to computer science using the industry-standard Java programming language and presents fundamental topics that include problem solving, algorithms, and abstraction. AP CS A, much like the intro course was adapted for high schools from college level curricula and has been successfully implemented in hundreds of high schools. AP CS A introduces students to the importance of resilience and project planning through the implementation of several large-scale and complex projects. The daily student-centered lesson plans emphasize practice through working on problems, group activities, labs, and projects that help integrate the learning objectives.

DRIVER EDUCATION

DRIVER EDUCATION

Grade: 9; Elective; Summer School Course; 1/4 credit

Prerequisite: Completion of grade 8 & 14 years of age and valid North Dakota Driver's Permit

Driver's education is a summer program, which includes both classroom instruction and Behind-the-Wheel training. This course covers the North Dakota pamphlet, **Rules of the Road**. Information on drinking and driving, blood alcohol levels, buying car insurance and car maintenance hints will be studied by students. State law requires that a student must be 14 years of age to take summer drivers education.

ENGLISH LANGUAGE ARTS

ENGLISH 9

Course Code: #105071_F/105071_S (05071)
Credit/Course Length: 1 credit/Full year

Grade: 9 (Required)
Prerequisite: None

This course involves all areas of the language arts curriculum: literature, writing vocabulary usage; grammar/usage; and speaking. Areas of study in this two-semester class may include, but not limited to a Shakespearean drama, a play, novel work, short story work and poetry. Various writing may include narrative and descriptive composition. Students will exhibit a proficiency in all areas of the curriculum by proper speaking, writing, spelling and reading.

ENGLISH 10

Course Code: #105072_F/105072_S (05072)
Credit/Course Length: 1 credit/Full year

Grade: 10 (Required)
Prerequisite: None/English 9

This course involves all areas of the language arts curriculum: literature, writing, vocabulary usage; grammar/usage; and speaking. Areas of study in this two-semester class may include, but not limited to American literature, a Shakespearean play, non-fiction selections, novel work, short story work and poetry. Various writing may include narrative and descriptive composition. Students will exhibit a proficiency in all areas of the curriculum by proper speaking, writing, spelling and reading.

ENGLISH 11

Course Code: #105073_F/105073_S (05073)
Credit/Course Length: 1 credit/Full year

Grade: 11 (Required)
Prerequisite: None/English 10

This course involves all areas of the language arts curriculum: literature, writing, vocabulary usage; grammar/usage; and speaking. Areas of study in this two-semester class may include, but not limited to British literature, a play, non-fiction selections, novel work, short story work and poetry. This course is primarily designed as a literature and writing-based course. Various writing may include narrative and descriptive composition. Students will exhibit a proficiency in all areas of the curriculum by proper speaking, writing, spelling and reading.

ENGLISH 12:

Course Code: #105074_F/105074_S (05074)
Credit/Course Length: 1 credit/Full year

Grade: 12 (Required)
Prerequisite: None/English 11

The first semester of this course will involve job-readiness with writing resumes and cover letters; application completion; business memo writing; newspaper analysis; and business-area workplace scenarios. Strong inter-personal skills are necessary for this class as most of the class periods will be large and small group discussion.

The second semester of this course will involve contemporary/modern literature; non-fiction and historical fiction reading; and composition work. The semester will also involve some media aspects (blogs, newspaper writing, etc.)

COMPOSITION (DUAL CREDIT ENGLISH-English Composition 110 (3) Credits

Course Code: #05040
Credit/Course Length: 1 credit/Full year

Grade: 12 (Advance/Optional)

Prerequisite: English 11, ACT score of 18 in Reading/ELA or equivalent Accuplacer score, GPA 3.0 (requirement for Dual Credit) or Counselor/Teacher approval for non/DC

This dual credit class offers students an opportunity to work at a college level within the high school system. This course is designed to meet the requirements and expectations of freshman English at the

university level. Course work will be challenging and rigorous and will include college-level reading, composition, critical thinking and research. A strong focus will be placed on composition, requiring practice in writing from personal experience to research; students will develop ideas into coherent and intelligent papers.

ADVANCE COMPOSITION (DUAL CREDIT ENGLISH-English Composition 120 (3) Credits

Course Code: #05041

Grade: 12 (Advance/Optional)

Credit/Course Length: 1 credit/Full year

Prerequisite: Composition, ACT score of 18 in Reading/ELA or equivalent Accuplacer score, GPA 3.0 (requirement for Dual Credit) or Counselor/Teacher approval for non/DC

Students will continue to write college-level style papers, using various forms. This dual credit class offers students an opportunity to work at a college level within the high school system. This course is designed to meet the requirements and expectations of freshman English at the university level. Course work will be challenging and rigorous and will include college-level reading, composition, critical thinking and research. A strong focus will be placed on composition, requiring practice in writing from personal experience to research; students will develop ideas into coherent and intelligent papers.

FICTION

Course Code: #15039FIC (05039)

Grade: 11-12 (Elective)

Credit/Course Length: ½ credit/ 1 semester

Prerequisite: English 9/10

This literature-based class, designed to promote reading and discussion, is based on a variety of novels, ranging from classic literature to contemporary work. Strong inter-personal skills are necessary for this class as most of the class periods will be large and small group discussion. This course will also involve critical literary analysis writing. Students in this course must read independently and discuss reading intelligently. Reading assignments can be challenging and rigorous.

ORAL COMMUNICATIONS (SPEECH) Dual Credit

Course Code: #15091 (05091)

Grade: 10-12 (Elective)

Credit/Course Length: ½ credit/ 1 semester

Prerequisite: None

This course is designed to give students practice in composing and delivering speeches, listening to others, offering constructive criticism, and evaluating what they hear. Approximately 15-16 speeches will be presented, to include speeches to entertain, persuasive speech, speech to introduce, personal anecdotal speech, debate, group discussion, oral interpretation of drama, poetry and short stories, demonstration speech, and several others. Writing is also a part of this course.

CREATIVE WRITING

Course Code: #15081CRWT (05042)

Grade: 11-12 (Elective)

Credit/Course Length: ½ credit/ 1 semester

Prerequisite: English 10

This course involves writing of all types. The class will study professional writers. The course involves use of language in creating mood, style and atmosphere and emphasizes a variety of genres: short stories, screenplay, novellas, musical compositions, advertising, personal essays, creative historical writing and descriptive writing. Creative writing is open to students who have demonstrated above average ability in writing.

FINE ARTS/ PERFORMING ARTS (MUSIC)

HIGH SCHOOL BAND

Grade: 9-12; Elective; Semester or Full Year; 1/2 or 1 credit

Prerequisite: None

Concert band is open to students in grades 9-12. Members of this organization also make up the Pep Band which plays at athletic events throughout the year. Students in Concert Band are required to be at all performances.

VOCAL MUSIC

Grade: 9-12; Elective; Semester or Full Year; 1/2 or 1 credit

Prerequisite: None

Concert choir is open to students in grades 9-12. Concerts are set up throughout the school year with the winter and spring concert being the main ones. Students in Choir are required to be at all performances.

FINE ARTS/ VISUAL ART

ART TECHNIQUES I

Course Code: #02021

Credit/Course Length: ½ credit/ 1 semester

Grade: 9-12 (Elective)

Prerequisite: None

An introductory course into fundamental drawing, painting, and printmaking techniques. In addition to creating artwork students will learn about art history, cultural aesthetics, and art's relationship with other subject areas. Topics include (a) Graphite Drawing Techniques (b) Pen & Ink (c) Acrylic Painting (d) Watermedia (e) Pastel (f) Colored Pencil, (g) and Printmaking.

ART TECHNIQUES II

Course Code: #02022

Credit/Course Length: ½ credit/ 1 semester

Grade: 9-12 (Elective)

Prerequisite: Art Techniques I

Students explore advanced techniques in drawing, painting, and printmaking. In addition to creating artwork, students will learn about art history, cultural aesthetics, and art's relationship with other subject areas. Topics include (a) Charcoal Portraiture/Figure Drawing (b) Mixed-Media Pen & Ink Techniques (c) Oil Painting (d) Oil Pastel (e) and Serigraphy.

CERAMICS & SCULPTURE

Course Code: #12021 (02029)

Credit/Course Length: ½ credit/ 1 semester

Grade: 10-12 (Elective)

Prerequisite: Art Techniques I

Sculpture is an introductory course into the elements and principles of three-dimensional design. Additive, subtractive, and manipulative techniques will be used with a variety of media to explore several sculptural forms. Students will be acquainted with the history of sculpture and the origins of modern techniques. Topics include: (a) Armature based additive sculpture (b) Casting (c) Ceramic hand building techniques, and (d) Wheel thrown ceramics.

GRAPHIC DESIGN & PHOTOGRAPHY

Course Code: #02050

Credit/Course Length: ½ credit/ 1 semester

Grade: 10-12 (Elective)

Prerequisite: None

This course is an introduction to the fundamentals of computer graphics, photography, and digital design. Students will become acquainted with vocational applications and skills related to photography and the adobe design products: Photoshop, Illustrator, and Spark. Topics include: (a) Photography technique and composition (b) Photo retouching and color correction, (c) Image manipulation (d) commercial advertising and product design, and (e) Digital art creation.

STUDIO

Course Code: #02020

Credit/Course Length: ½ credit/ 1 semester

Prerequisite: Three prior Art courses, Instructor Approval

Grade: 12 (Elective)

Studio is an independent study in which students will be challenged to create original artworks of their own design. Students may utilize any combination of art media that they have worked with in previous courses, while working to build a portfolio of work that represents their unique artistic style.

FOREIGN LANGUAGE

FRENCH I

Course Code: #06281

Credit/Course Length: 1 credit/ Full Year

Grade: 9-12 (Elective)

Prerequisite: None

French I introduces learners to the French language and culture. Learners in level I operate in the Novice Low-Performance Indicators of the North Dakota Indigenous and World Language Standards. Learners typically will be comfortable functioning within the Novice Mid Performance Indicators within the Communication goal by the end of the course.

FRENCH II

Course Code: #06282

Credit/Course Length: 1 credit/ Full Year

Grade: 10-12 (Elective)

Prerequisite: French I

French II builds upon skills developed in level I. Learners in level II operate in the Novice Performance Indicators of the North Dakota Indigenous and World Language Standards. Learners typically will be comfortable functioning within the Novice High-performance Indicators within the Communication goal by the end of the course.

FAMILY AND CONSUMER SCIENCES

CHILD DEVELOPMENT

Course Code: #19026

Credit/Course Length: ½ credit/ 1 semester

Grade: 10-12 (Elective)

Prerequisite: None

Child Development is the study of how children grow and develop. Students will investigate how children grow - physically, mentally, socially, emotionally and will put this learning into practice through observations and hand-on experiences with infants, preschool and elementary school children. The child as a member of a family will be a topic, with emphasis placed on the importance of both mothering and fathering roles. Current social issues affecting children will be addressed.

FAMILY AND CONSUMER SCIENCE I (FACS I)

Course Code: #02050

Credit/Course Length: ½ credit/ 1 semester

Grade: 9-12 (Elective)

Prerequisite: None

This is a comprehensive course that provides students the opportunity to learn skills in all area of Family and Consumer Sciences Education. Students will receive instruction in areas critical to the success of balancing work and family responsibilities. The course will include instruction in the areas of Family Life, Nutrition and Foods, Textiles and Clothing, Housing and Interiors, Child Development and Care, and Consumer Education.

CONSUMER AND RESOURCE MANAGEMENT

Course Code: #09028

Credit/Course Length: ½ credit/ 1 semester

Grade: 11-12 (Required)

Prerequisite: None

Required course at KHS. Financial education is of major importance today. Students will study units such as: careers, budgeting, housing, transportation, insurance, taxes, credit and food costs. Students will be guided on how to prepare, understand, and manage their personal finances to include credit, taxes, and becoming an informed consumer. Students will investigate lifestyles and their role in the importance of financial decisions.

FOODS I

Course Code: #119131 (09131)

Credit/Course Length: ½ credit/ 1 semester

Grade: 10-12 (Elective)

Prerequisite: None

Good nutrition is a major contributor to lifetime wellness. The study of nutrition, how we are affected by the food we eat, is the focus of this semester class. Students will learn principles and techniques of food selection and preparation to meet the USDA Dietary Guidelines for good health. The purpose of this course is to increase knowledge of food preparation and to discover and discuss current issues related to food and nutrition.

FOODS II

Course Code: #119131a (09135)

Credit/Course Length: ½ credit/ 1 semester

Grade: 11-12 (Elective)

Prerequisite: Foods I

Students will learn principles and techniques of food selection and preparations to meet the USDA Dietary Guidelines for good health. Proper food storage and care, time management, planning efficient workspaces for food preparation and service, entertaining, and meal planning are all put into practice during laboratory experiences Meats, seafood, dairy, cakes, pies and the food service industry are typical units studied.

TEXTILES AND CLOTHING

Course Code: #119131a (09027)

Credit/Course Length: ½ credit/ 1 semester

Grade: 9-12 (Elective)

Prerequisite: None

Home manufacture of clothing is a minor task in most of today's families, but provision of adequate clothing is a need for everyone. The course will emphasize developing consumer skills to make the best use of resources when planning for, purchasing, and caring for clothing and other textile products. This course will help the student develop a personal clothing plan which reflects his/her personality, and which is suitable for the chosen lifestyle and occupation. For those students who are interested in developing or improving clothing construction skills, projects will be individualized to meet personal goals.

INDEPENDENT LIVING (LOYO)

Course Code: #119131a (09025)

Credit/Course Length: ½ credit/ 1 semester

Grade: 10-12 (Elective)

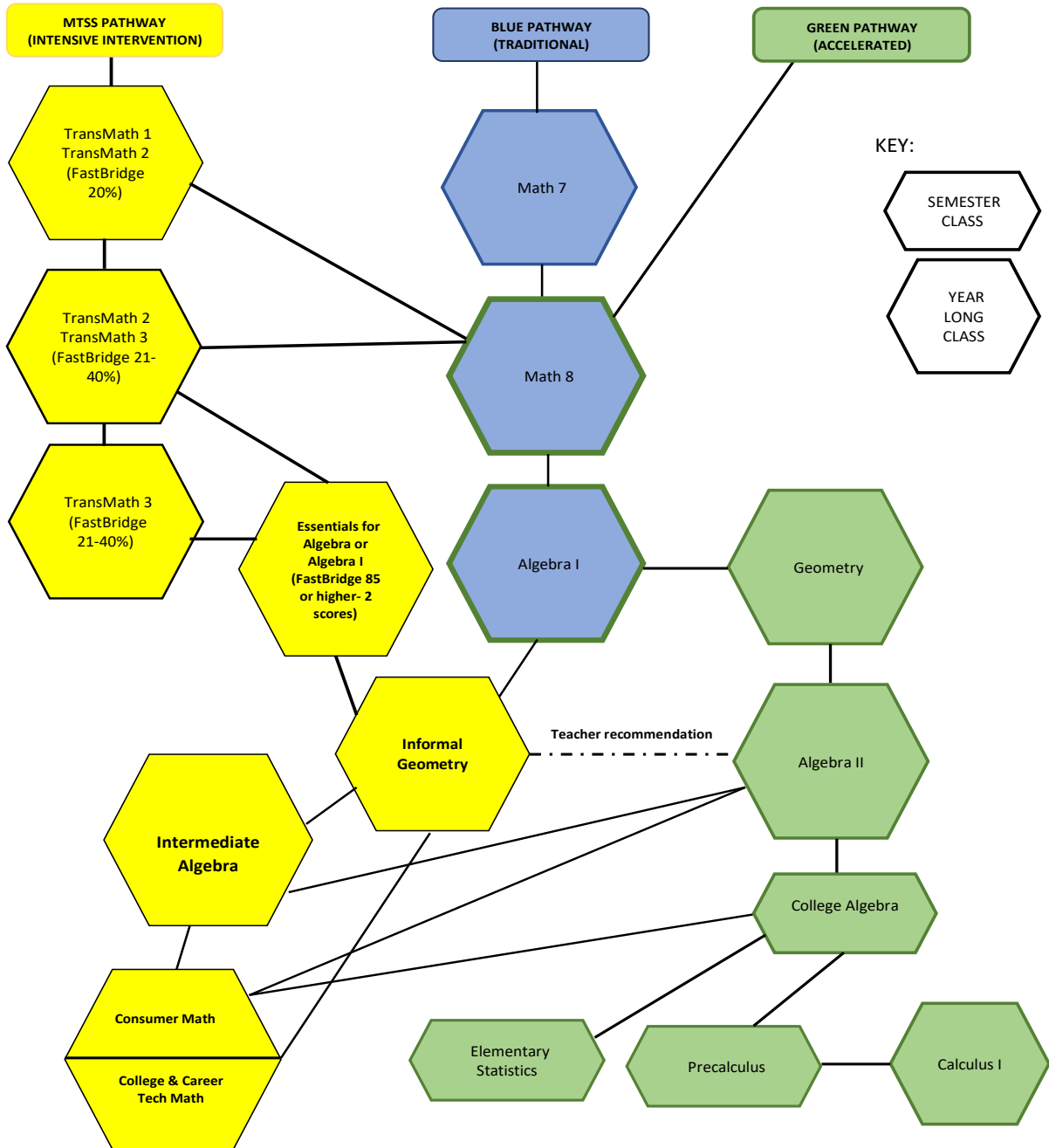
Prerequisite: None

Will you survive without your parents? LOYO prepares you to find a place to live; buy and maintain a car; care for your clothes; understand credit, insurance and banking; improve your job skills; and learn to shop for groceries and prepare healthy meals. Community speakers will be used to enhance classroom activities for real world experiences.

MATHEMATICS

***Students can change paths with a meeting of the parent, student, and principal. Improved skill in mathematics should be demonstrated. It is recommended that students achieve a B or higher in order to stay on the Accelerated path.

MATH PROGRESSION FLOW CHART



ESSENTIALS FOR ALGEBRA

Course Code: # 11029

Grade: 9 (Elective/Required)

Credit/Course Length: 1 credit/Full Year

Grade: 9; Elective; Full Year; 1 credit

Prerequisite: By approval of math instructor and counselor or principal

Essential for Algebra provides additional study and practice of mathematical concepts to prepare students for algebra. Percent applications, exponents, scientific notation, graphing, geometry concepts, Pythagorean property, and probability and statistics will be studied. Integers, rational numbers, proportions, and inequalities may also be covered.

PRE-ALGEBRA

Course Code: # 11030

Grade: 9 (Elective/Required)

Credit/Course Length: 1 credit/Full Year

Grade: 9; Elective; Full Year; 1 credit

Prerequisite: By approval of math instructor and counselor or principal

Essential for Algebra provides additional study and practice of mathematical concepts to prepare students for algebra. Percent applications, exponents, scientific notation, graphing, geometry concepts, Pythagorean property, and probability and statistics will be studied. Integers, rational numbers, proportions, and inequalities may also be covered.

ALGEBRA I

Course Code: # 111031_F/111031_S (11035)

Grade: 8-10 (Required)

Credit/Course Length: 1 credit/ Full Year

Prerequisite: None

Algebra is a systematic way of calculating numbers and variables through the use of symbols and rules of operation. Graphing, word problems, equations, factoring are some of the mathematical functions covered. Algebra is a prerequisite for all the higher mathematics courses.

ALGEBRA II

Course Code: # 111032ALGF/111032ALGS (11032)

Grade: 10-12 (Required/Elective)

Credit/Course Length: 1 credit/ Full Year

Prerequisite: Algebra I

Algebra II is a review of basic concepts of Algebra I with an emphasis on application/problem solving. Advanced topics such as quadratic equations, functions, complex numbers, conics and some trigonometry will be covered. Any student planning to take chemistry or physics should take this course. Algebra II should be taken by any student who plans to attend a 4-year college.

COLLEGE & CAREER TECH MATH

Course Code: # 11191_F/11191_S (11191)

Grade: 11-12 (Required/Elective)

Credit/Course Length: ½ to 1 credit/ Full Year

Prerequisite: Geometry/Informal Geometry

Basic/Occupational Math. A solid foundation in math needed for a wide range of technical and vocational trades. This course equips students with the math skills required for allied health, electrical trades, automotive trades, plumbing, construction, and many more – particularly in the physical trades. The math concepts are presented completely within the context of practical on-the-job applications, so students can make an impact on the job from day one. Authentic applications give students relevant, tangible mathematical example that they are likely to encounter in future careers.

CONSUMER MATH

Course Code: #11145/11145S (11145)
Credit/Course Length: ½ credit/ Semester

Grade: 11-12 (Elective)
Prerequisite: None

Consumer Math provides comprehensive coverage of personal and business-related mathematics. In addition to reviewing the basic operations of arithmetic, students are prepared to understand and manage their personal finances, as well as grasp the fundamentals of business finances. Consumer Math prepares students to be smart shoppers, informed taxpayers, and valued employees.

INFORMAL GEOMETRY

Course Code: # 111030IG_F/111030IG_S (11122) **Grade: 10-12 (Required/Elective)**
Credit/Course Length: 1 credit/ Full Year
Prerequisite: Algebra I; By approval of math instructor and counselor or principal

Informal Geometry is the study of measurement, properties, and relationships of points, lines, angles, surfaces, and solids but does not go as in-depth as Geometry. Hands-on activities will be used to help reinforce the geometric concepts. A calculator that is fraction capable is necessary.

GEOMETRY

Course Code: # 100072_F/ 100072_S (11120) **Grade: 9-12 (Required)**
Credit/Course Length: 1 credit/ Full Year
Prerequisite: Algebra I; By approval of math instructor and counselor or principal

Geometry is the study of measurement, properties, and relationships of points, lines, angles, surfaces and solids. Reasoning and problem-solving skills will be used in the development of proofs and concepts.

INTERMEDIATE ALGEBRA

Course Code: # 11051 **Grade: 10 – 12 (Required/Elective)**
Credit/Course Length: 1 credit/ Full Year
Prerequisite: Geometry/Informal Geometry; By approval of math instructor and counselor or principal

This course reviews and builds on algebraic concepts. The goal is to prepare for introductory college math courses and math needed for everyday life in the workplace.

COLLEGE ALGEBRA – DUAL CREDIT- (3 College Credits- MATH 103)

Course Code: # 011034 (11034) **Grade: 11-12 (Elective)**
Credit/Course Length: ½ credit/ Semester **Prerequisite: Algebra II**

College Algebra fully integrates topics from algebra, geometry, trigonometry, discrete mathematics, and mathematical analysis. These will prepare you for post-secondary math courses such as College Algebra, College Trigonometry and in developing formulas for Calculus. **(ACT Score 21 higher or Accuplacer Equivalent)**

PRE-CALCULUS - DUAL CREDIT – (3 College Credits- MATH 107)

Course Code: #111181_S (11181)

Credit/Course Length: ½ credit/ Semester

Grade: 11-12; Elective

Grade: 11-12 (Elective)

Prerequisite: Algebra II & Geometry

ACT 27 higher or College Algebra

This course is the study of trigonometry and linear algebra. Pre-calculus is a course for the student who is planning to attend a four-year college. Course will cover: 1. Complex numbers; 2. Exponential and Logarithmic Functions; 3. Sequences and series; 4. Combinations and Probability; 5. Statistics; 6. Other topics such as fractals, linear programming and matrices, and differentiation will be covered as time permits.

ELEMENTARY STATISTICS– DUAL CREDIT – (3 College Credits- MATH 210)

Course Code: #11150

Credit/Course Length: ½ credit/ 2nd-Semester

Prerequisite: College Algebra ACT score 21 or higher

Grade: 11/12 (Elective)

An introduction to statistical methods of gathering, presenting and analyzing data. Topics include probability and probability distributions, confidence intervals, hypothesis testing, and linear regression and correlation.

CALCULUS – DUAL CREDIT – (3 College Credits- MATH 165 2nd Semester)

Course Code: #11061/11061S (11061)

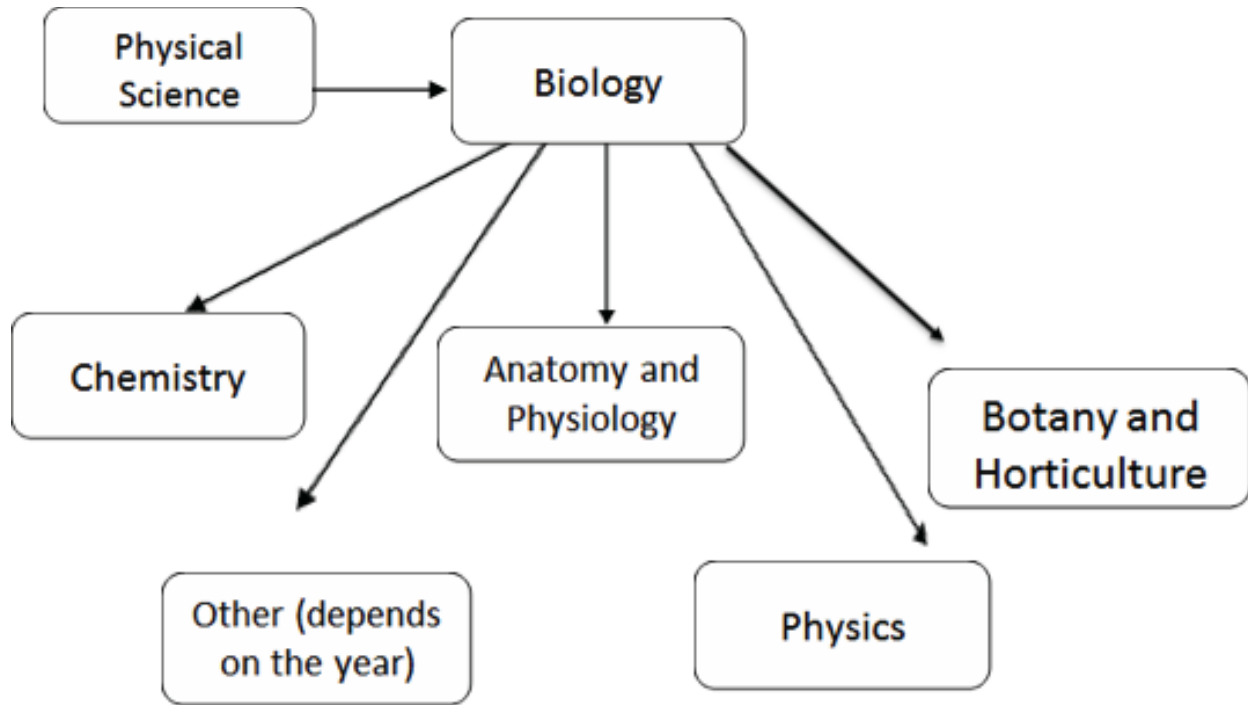
Credit/Course Length: 1 credit/ Full Year

Prerequisite: Pre-Calculus or College Algebra

Grade: 12 (Elective)

This course is designed for prospective mathematics majors and students interested in engineering, computer science, physics, business or life sciences. The following topics are covered throughout the year: 1. Limits; 2 Derivatives; 3. Antiderivatives; 4. Integrals; 5. Parametric Equations; 6. Fluid Dynamics; 7. P-Series. Other topics such as slope fields, polar and vector functions, logistic growth, and piecewise integration will be covered as time permits.

NATURAL SCIENCE



PHYSICAL SCIENCE

Course Code: #119131a (13030)
Credit/Course Length: 1 credit/ Full Year

Grade: 9 (Required)
Prerequisite: None

Physical science is an introductory course to the sciences of chemistry and physics. Topics included are the metric system, the world of matter, the structure of the atom, chemical names, formulas, balancing equations, acid/base chemistry, mechanics, wave motion, sound, light, heat, magnetism, electrostatics, and current electricity. The techniques and procedures used by chemists and physicists are emphasized. Students are provided the opportunity to understand, to appreciate, and to relate the interaction of matter and energy in their physical environment through a variety of classroom experiences. Hands-on laboratory investigations are emphasized.

BIOLOGY

Course Code: #119131a (13020)
Credit/Course Length: 1 credit/ Full Year

Grade: 10 (Required)
Prerequisite: Physical Science

Biology is the study of living organisms and their relationship to one another and the environment. The class begins by studying ecology and life at the molecular and cellular levels. Progression is made to genetics, classification, evolution, microbiology, protists, fungi plants, animals, and the human body. Concepts are learned through lecture, discussion, and labs. Laboratory investigations involve using a microscope, extracting DNA, dissections, observation, and student inquiry are used to develop an understanding of the standards of science and their application to biology.

APPLIED SCIENCE

**Course Code: #13034 (as class loads permit)
(Elective)**

Grade: 11 – 12

Credit/Course Length: 1 credit/ Full Year

**Prerequisite: Physical Science/Biology
(Teacher, Counselor, Principal Approval)**

Applied Science integrates physical science, biology, chemistry, and earth science into a unified study in the context of real-world scenarios related to work, home, society, and the environment. An emphasis on laboratory activities, in-class projects, and group collaboration will be emphasized. The course will challenge students with activities related to the scientific method and involve analytical thinking, problem solving, and deductive reasoning.

ASTRONOMY

Course Code: #13061 (as class loads permit)

Grade: 11- 12 (Elective)

Credit/Course Length: ½ credit/ ½ semester Prerequisite: Physical Science/Biology

Astronomy is an interdisciplinary science class with direct connections to all the natural sciences, physics, chemistry, geology, biology, and meteorology. This course will cover astronomical and cosmologic topics related to history, technology, mathematics, the physical sciences, earth science, planetary science, and cosmic processes that occur in and around our solar system and throughout the universe.

GEOLOGY

**Course Code: # 13062 (as class loads permit)
(Elective)**

Grade: 11 – 12

Credit/Course Length: ½ credit/ ½ semester Prerequisite: Physical Science/Biology

Geology is designed to go into a more at-depth look into the topics introduced in earth science related to Earth itself, develop a better understanding of Earth and its history, and enhance the appreciation for the physical world. This course will include topics related to the dynamic processes within Earth, mineral chemistry and classification, rock formation, tectonic processes, surface formations and how they change, and natural environments.

HUMAN ANATOMY AND PHYSIOLOGY

**Course Code: #119131a (13021)
Credit/Course Length: 1 credit/ Full Year**

**Grade: 11-12 (Elective)
Prerequisite: Biology**

Human Anatomy and Physiology is an advanced course designed for the study of the structure and function of the human body. This course includes studying cell biology, cell specialization, biochemistry, and the ten body systems. All of these systems of the body are again reviewed in the dissection of the pig. Students planning further education in areas of biology and medicine should take this course.

FORENSICS I

**Course Code: # 13036 (as class loads permit)
Credit/Course Length: ½ credit**

**Grade: 11-12 (Elective)
Prerequisite: Physical Science/Biology**

Fingerprints. Blood spatter. DNA analysis. The world of law enforcement is increasingly making use of the techniques and knowledge from the sciences to better understand the crimes that are committed and to catch those individuals responsible for the crimes. Forensic science applies scientific knowledge to the criminal justice system. This course focuses on some of the techniques and practices used by forensic scientists during a crime scene investigation (CSI). Starting with how clues and data are recorded and preserved, the student will follow evidence trails until the CSI goes to trial, examining how various elements of the crime scene are analyzed and processed.

FORENSICS II

Course Code: # 13036S (as class loads permit)

Grade: 11-12 (Elective)

Credit/Course Length: ½ credit.

Prerequisite: Forensics I

Although the crime scene represents the first step in solving crimes through forensic science, the crime laboratory plays a critical role in the analysis of evidence. This course focuses on the analysis of evidence and testing that takes place within this setting. Students will examine some of the basic scientific principles and knowledge that guides forensic laboratory processes, such as those testing DNA, toxicology, and material analysis. Techniques such as microscopy, chromatography, odontology, entomology, mineralogy, and spectroscopy will be examined.

CHEMISTRY DUAL CREDIT – (5 College Credits- CHEM 121 2nd Semester)

Course Code: #119131a (13031)

Grade: 11-12 (Elective)

Credit/Course Length: 1 credit/ Full Year

Prerequisite: Algebra I, Physical Science and must be enrolled in or have already passed College Algebra if you are planning to enroll for Dual Credit**

Chemistry is the study of matter and the changes matter undergoes. The topics covered include atomic structure, the periodic table, chemical bonding, acids and bases, the mole concept, quantitative relationships, and nuclear chemistry. It is designed for a wide range of academic abilities and post-secondary interests. This course will serve as an excellent preparation for college level freshmen chemistry. Hands-on laboratory investigations are emphasized.

PHYSICS

Course Code: #119131a (09135)

Grade: 11-12 (Elective)

Credit/Course Length: 1 credit/ Full Year

Prerequisite: Algebra I, Physical Science and must be enrolled in or have already passed Algebra II

Physics is the study of energy, matter, and their interaction. The following topics describe the emphasis of the course: motion, one and two-dimensional kinematics, energy and simple machines, momentum and collisions, rotational motion, energy conversation, circuitry and magnetism. Preparation for freshman level college physics will be completed. Math and problem-solving skills will be an integral part of the physics program. Hands-on laboratory investigations are emphasized.

BOTANY / HORTICULTURE

Course Code: #101053F/101054S (1053/1054)

Grade: 11-12 (Elective/Science)

Credit/Course Length: 1 credit/ Full Year.

Prerequisite: None

This course is designed to provide students with knowledge of horticulture and plant science. The course will examine the importance of plant cell structures, functions of cells, plant process, nonvascular plants, vascular plants, roots stems, leaves, flowers and reproduction of plants. Students will develop skills in greenhouse management, plant identification, landscape design and floral design. Students will prepare plants for different projects and sales throughout the year, design and construct landscape plans and develop a raised garden bed plan.

Topics covered include:

- The Science and Structure of Plants
- Soil, Water and Climate
- Greenhouse Management
- Floral and Landscape Design
- Plant Pathology
- Plant Reproduction

Learning activities will emphasize opportunities and careers in the plant science, landscape and greenhouse industry using classroom, laboratory and field experiences.

PHYSICAL EDUCATION AND HEALTH

HEALTH

Course Code: #118010F_S (08010)
Credit/Course Length: ½ credit/ 1 semester

Grade: 9 (Required)
Prerequisite: None

In this course, the students will be provided with the knowledge and skills necessary to make safe life choices. This is a required course that includes units of communication decision-making, mental and emotional well-being, chemical dependencies, and family life. The course includes lecture, group activities, and hands-on activities.

PHYSICAL EDUCATION 9

Course Code: #108030a (08030)
Credit/Course Length: ½ credit/ 1 semester

Grade: 9 (Required)
Prerequisite: None

This class will expose the student to lifelong fitness through fitness training, team and individual sports. The students will be tested in a variety of fitness skills two times per semester.

PHYSICAL EDUCATION DUAL CREDIT – (2 College Credits- HYPER 100) 11th & 12th Only

Course Code: #8030 (08030)
Credit/Course Length: ½ credit/ 1 semester

Grade: 10-12 (Required)
Prerequisite: None

This class will continue to emphasize long fitness through fitness training, individual, and team sports. The student will also be introduced into goal setting and journal writing. The students will be tested on physical fitness skills two times per semester.

WEIGHTLIFTING

Course Code: #12000WTLIF (08030)
Credit/Course Length: ½ credit/ 1 semester

Grade: 11-12 (Optional Phy Ed/Elective)
Prerequisite: None

Students will learn the basics of weight training; lifting techniques, spotting, and safety issues. Students will be introduced to different lifting schedules, circuit training, Olympic lifts, plyometric and agility training.

SOCIAL SCIENCE

WORLD GEOGRAPHY I

Course Code: #15070
Credit/Course Length: ½ credit/ 1 semester

Grade: 9-12 (Elective)
Prerequisite: None

Students will create a deeper understanding of the formation of continents, major regions, and physical features of the world. Integrations of historical, cultural, and current world events into their knowledge of geography. Students will take an active part in discussion, creative projects, readings, and research to further their understanding of the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the earth's surface.

NORTH DAKOTA STUDIES

Course Code: #115020 (15401)
Credit/Course Length: ½ credit/ 1 semester

Grade: 9-12 (Elective)
Prerequisite: None

This course examines North Dakota in context of its history, geography, and agriculture. It covers a time frame from life in North Dakota in prehistoric times to life on the plains; hunting and trapping; early settlement from 1878-1914, the dust bowl of 1929, and times from 1945 to the present.

WORLD HISTORY

Course Code: #115089_F/115089_S (15089)
Credit/Course Length: 1 credit/ Full Year

Grade: 10 (Required)
Prerequisite: None

This course focuses on the history of the world other than that of the United States. It begins in the ancient civilizations like Egypt, Greece, Rome, and builds upon itself working toward modernity, specifically, to the cold world period from 1947-1990's. World History uses projects, maps, primary sources, debates, and discussions to investigate and relate history to our ever-changing world.

UNITED STATES HISTORY

Course Code: #115085_F/115085_S (15085)
Credit/Course Length: 1 credit/ Full Year

Grade: 11 (Required)
Prerequisite: None

The first semester will cover pre-Civil War to the end of World War I. The second semester will cover the 1920's to the present. In class the students will be using primary and secondary sources to examine varying ethical issues in our past. Students will not only gain knowledge from the book and what it offers, but also by exploring the Internet. Through discussion, lecture, readings and films the students will gain insight not only into the past of America, but insight into themselves as well. Students will also explore the Internet. Programs to prepare students for life include the Electronic Model Congress and the Stock Market Game. Both programs prepare the students for lifetime situations, communication skills, and technological skills.

AMERICAN GOVERNMENT

Course Code: #15201(15111)
Credit/Course Length: ½ credit/ 1 Semester

Grade: 12 (Required)
Prerequisite: None

The goal is that students will grow to be active citizens who make informed decisions. This course provides students with practical experiences and understandings regarding politics and the government of the United States with an analysis of the constitution, the three branches of government, political behavior and civil rights/ liberties. Students will study basic governmental institutions and their functions. Students will also examine the major ideas, protections, privileges, and structures that affect the life of a citizen in the United States political system. This is a required course for high school graduation within the prescribed social science sequence.

ECONOMICS

Course Code: #115060 (15060)
Credit/Course Length: ½ credit/ 1 Semester

Grade: 12 (Required)
Prerequisite: None

This is an introductory course to economics, touching on both macro and micro economic principals. Students will learn a variety of topics from world markets, supply and demand, aspects of the American economy, GDP, as well as business organizations and market structures. The course will also examine international trade and the role of government in our economy. The institutions of money and banking and the investment markets are also included.

PSYCHOLOGY (Non-Dual Credit)

Course Code: #19120 (15120)
Credit/Course Length: ½ credit/ 1 Semester

Grade: 11-12 (Elective)
Prerequisite: None

Psychology is the study of human behavior and this course studies the various reasons for human behavior. Although this class does contain a great deal of information, it only introduces students to the subject of psychology. This course is a college prep class and will challenge students who are college bound.

SOCIOLOGY

Course Code: #115130 (15130)

Credit/Course Length: ½ credit/ 1 Semester

Grade: 11-12 (Elective)

Prerequisite: None

Sociology is the study of our society, other societies and the interaction of people in groups. Emphasis will be placed on problems existing within our society and the factors which influence group behavior. Although this class does contain a great deal of information, it only introduces students to the subject. This course is a college prep class and will challenge students who are college bound.

OTHER COURSE OFFERINGS

LEADERSHIP

Course Code: #20066 (as class loads permit)

Credit/Course Length: ½ credit/ 1 Semester

Grade: 11-12 (Elective)

Prerequisite: None

This class on leadership is designed to strengthen students' personal and group leadership skills. In this class, we will talk about being a positive member of a team, school, and community. This course will cover personality testing, leadership styles, motivation and training, employee and sports recruitment, and current events. Students will practice effective communication (both in a group and in front of the class), human relations, decision making, and reading and writing skills. Leadership will involve reading various books about leaders, writing a leadership essay, and interviewing positive figures throughout our school and community. At the end of the class, students will have a better understanding of what it means to leave a positive impression, while also taking great pride in being a Viking.

EARLY ENTRY ONLINE OPPORTUNITIES

Course Code: None

Grade: 11-12 (No Kindred Credit Offered) **Must be enrolled in AT LEAST five (5) Kindred taught classes.

Credit/Course Length: College Credit issued/ 1 Semester

(Fall or Spring-College Schedule)

Prerequisite: Each College has their own requirements that must be met

Early Entry Classes Offered through NDSCS/Lake Region/Bottineau/NDSU

(College credit issued through perspective college)

If you would like more information, please see the Counselor

