

2011 - 2012
Course Book

RHINELANDER



HIGH SCHOOL

"Home of the Hodags"

This information is also available on our web site
www.rhinelander.k12.wi.us

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I. PLANNING YOUR HIGH SCHOOL COURSES

A key step to planning for your future is selecting the correct high school courses now. Your future plans should influence the courses you choose to take. If you are not sure what you want to do after high school, several resources are available, including: speaking with a RHS School Counselor in Student Services, meeting with the School-to-Work coordinator to discuss job shadowing or other career exploration opportunities or checking out WisCareers. WisCareers is a career exploration program at <http://wiscareers.education.wisc.edu>. Beginning with the 2010-11 school year, RHS students will also be working on Navigation 101 in their advisories. Nav 101 is a web based program designed to assist students in planning for their future.

Types of Postsecondary Education (after high school education)

Proprietary Schools

- Schools that specialize in a specific trade or skill.
- Examples would be truck driving, art, or culinary school.
- Entrance requirements are generally open, although art schools for example, may require you to submit a portfolio.
- They may offer certification, licensing, or associate degrees.

Technical

- An example of a technical college is Nicolet Technical College.
- There are sixteen technical colleges across the state with a variety of career-oriented programs that last from a few months to two years.
- These programs can lead to a certificate, a vocational (one-year) degree or an associate degree (generally two years).
- Most technical colleges also have a liberal arts transfer program that allow students to earn college credit in general courses for two years and transfer to a four-year school to complete their bachelor's degree. Other individual courses may also transfer to a four-year college or university.
- Students with a high school diploma or HSED are admitted to Wisconsin technical schools; however, admission into some programs may require successful completion of specific courses in high school.

Two Year College, Junior, and Community Colleges

- The University of Wisconsin has thirteen two-year extension campuses located throughout the state. UW-Marathon County in Wausau is an example of a UW college campus.
- These campuses have more liberal admission requirements and slightly lower tuition. Credits specifically transfer to any UW four-year college and typically to any four-year college or university.
- Depending on the location, campuses may offer housing and a limited range of extra-curricular activities.
- Admission requirements for the UW colleges are the same as those listed below for UW four-year campuses.

Four-Year Baccalaureate

- These schools offer courses leading to a four-year Bachelor of Art or Bachelor of Science degree.
- Universities can be public (like UW-Eau Claire) or private (like Marquette University).
- Wisconsin has over twenty private colleges and universities and thirteen public universities.
- Although the tuition at some private schools may seem too expensive at first glance, they may be able to offer enough financial aid and scholarships to make the cost comparable to that of a public university, don't exclude them from consideration.

Rhineland High School offers a wide range of courses and programs designed to meet the needs of its diverse student population. Students are encouraged to review the many options available to them so they can participate in the experiences that will best prepare them for their future.

School to Work

School-to-Work provides opportunities for students to explore a variety of experiences to help them make better decisions about their future. RHS students have the option of participating in job shadowing, employability skills classes, the Medical Services Academy, the Student Education Aide program, Senior Work Experience/Senior Internship, career speakers, career days, and tours of business and industry. Two school to work meetings will be required for students to attend, one at the beginning of the semester and one at the end of the semester. For more information about School to Work programs, see the School to Work coordinator.

Employability Skills Certificate Program

The Employability Skills Certificate (ESC) program is a course of study that connects curriculum and employment. Students learn essential employment skills in the classroom and then apply them in the workplace under the supervision of a mentor and their classroom teacher. Upon completion of this program students are recognized with a state-issued certificate for the mastery of skills most valued by employers. Students will receive high school credit for the completed employability skills course (EITHER Employability Skills OR Independent Living) as well 0.5 credit upon successful completion of the Employability Skills checklist and the required 90 hours of paid work experience.

Medical Services Academy

The Medical Services Academy (MSA) is available to Juniors and Seniors through a partnership with St. Mary's Hospital and Ministry Medical Group. MSA is a focused clinical observation experience that introduces students to medicine through exposure to a wide variety of medical professions. Interested students must have successfully passed or be enrolled in good standing in the Introduction to Medical Careers course. An application to MSA must be completed and returned to the School to Work Coordinator by the third Friday in October, at which time interviews will be scheduled. Applications are available on the Rhineland High School Website and from the School to Work Coordinator. Selected candidates will be notified of acceptance prior to December. Observations will begin 2nd Semester.

Senior Work Experience/Senior Internship

Senior Work Experience/Senior Internship gives high school seniors the opportunity to earn credit for paid or unpaid work. A workplace mentor and a school mentor supervise the experience. Students must complete an application packet and return it to the School to Work Coordinator. Students are encouraged to make arrangements prior to the semester in which they plan to do their independent study work experience to avoid any problems. Students may earn up to 2.0 credits, 0.5 credits will be awarded upon the successful completion and documentation of each 110 hours of work.

Student Education Aide Program

The Student Education Aide program is for students who are interested in learning more about careers in education, working with children, or the broader field of human services. This program provides assistance for classroom teachers and supplies a setting for high school students to work with children, or assist in organizing school events. Students may earn up to 2.0 credits, 0.5 credits will be awarded upon the successful completion and documentation of each 65 hours of classroom volunteering. In order to qualify, students must meet the following criteria:

- Be in good standing - a plan for graduation, no truancies; tardiness unacceptable, no major behavior issues.
- Complete an application packet including a signed contract and paragraph describing interest in being a student volunteer.

Rhineland Environmental Stewardship Academy

RESA Independent Study Research in Natural Resources

Description: This course provides students in the School District of Rhineland (SDR) an opportunity to develop and conduct research in natural resources. Students will complete a project proposal to be eligible for approval into the course. The student will conduct the scientific research study after the approval of the project proposal and acceptance into the course. See **Project Proposal Guidelines** for information on the proposal.

The Rhineland Environmental Stewardship Academy (RESA) staff will select students based on the quality of the project proposal. Students will work independently seeking assistance from natural resource professionals and the instructor of RESA. Students will earn science elective credit towards fulfilling RHS graduation requirements.

Students will complete this course as an independent research course. There is not a regular class period for this course. Students may work on their research during study halls, summer months, weekends, and after school. The student will create their course schedule based on the tasks of the research project and provide documentation of the hours spent on each task.

Beginning with the 2011-2012 school year, RESA is offering 5 students the opportunity to enroll in this course. Current SDR students that completed 8th grade at RESA will have priority over students that did not participate in RESA provided their proposal is of quality submission. Students will receive feedback and a rubric to help revise proposals. In a given school year, if students do not obtain approval, they can submit their proposals the next school year.

Requirements for obtaining RHS credit: 100 hours of research work = 0.5 credits in Science elective at RHS

Step 1 - Project Proposal: Approved project proposal (See Project Proposal Guidelines)

Step 2 - Project Completion: Research questions answered based on data analysis

Step 3 - Project Dissemination: Students will present their research to a pertinent audience and complete a scientific artifact to share at future school and community events.

Project Proposal Guidelines:

Rationale: Each student is required to submit a project proposal to be eligible for the RESA Independent Study Research in Natural Resources course. The RESA instructor and the high school administration will review the project proposal. In the review process, students will have the opportunity to edit their proposal until it meets approval by all reviewers. Students will be eligible for acceptance into the course upon proposal approval. This course is competitive in nature, so being eligible does not guarantee acceptance into the course.

Proposal Deadline:

Deadline for the first draft of the proposal is March 1, 2011

Final deadline for the 2011-12 course is March 15, 2011

Students will be notified of acceptance by April 1, 2011

Proposal Requirements: All proposals need to include the parts below and typed double space in 12 point font. Students can obtain a template of the project proposal at the RESA web site. <http://www.rhineland.k12.wi.us/resa/>

- Part 1: Follow the scientific method
 - Research title
 - Research question: Research questions need to be clear and concise. The research question guides the research and dictates the methods used to collect data.
 - Hypothesis: The hypothesis or hypotheses need to be testable using statistical analyses.
 - Data collection: Precisely how and where the data will be collected needs to be explained. In research this is the methods and study site.
 - Data analysis: The statistical techniques to be used to test the hypothesis need to be explained.
 - How the data will be organized and presented need to be clarified.
 - Conclusion: How a conclusion to the research will be made needs to be discussed.
- Part 2: List the specific literature resources that you plan on using in your research
- Part 3: List the natural resource professional(s) that will advise you in your research
- Part 4: Present a timeline of your research that includes:
 - Approximate start date of sampling season
 - Approximate end date of sampling season
 - Dates when graphs and tables will be complete
 - Dates when data analysis will be complete
 - Dates when scientific poster will be complete
 - Dates when PowerPoint presentation will be complete
- Part 5: Explain when and where the research will be presented. For instance, the Wisconsin High School Conference on the Environment or the Wisconsin Chapter of the American Fisheries Society Conference.
- Part 6: Breakdown the activities in a table which will account for the 100 hours of study and how much time you plan on spending on each activity. Also, include a structure of when and how you will communicate with the RESA instructor.

College in the Schools

Advanced Placement

Students may receive college credit, at some schools, for scores received on the College Board Advanced Placement Test. After completing specific RHS Advanced Placement (AP) courses, students may take the AP Exam in the spring of the year. Scores of 3 or higher on the AP Exam make them eligible to receive college credit at some schools.

Transcripted Credit

Transcripted Credit is a dual credit arrangement where RHS students earn both high school and college credit. Nicolet courses are taught in the high school by college certified high school teachers. There is no cost to the student or the high school for the credits. These credits may transfer to other technical colleges or universities.

Youth Options

Juniors and seniors at RHS in good academic standing and on track for graduation can enroll in courses at Nicolet College or other post-secondary schools, full or part-time, and earn both high school and college credit. Rhinelander School District will pay the cost of tuition and books, up to 18 total credits, for non-comparable courses, courses that are not offered at RHS. Students are responsible for submitting required forms by fall and spring semester deadline dates. Students who drop courses or receive a D or F in the college course will be required to reimburse RHS for the tuition and book charges.

******Students planning to participate in Youth Options, Senior Work Experience or other programs that may take them out of the building for part of the school day are still required to select 14 classes. Their individual schedules will then be adjusted accordingly.***

II. SELECTING YOUR COURSES

Students should keep in mind the various reasons for selecting courses, including the following:

- A course is required for high school graduation.
- A course is required as a prerequisite for what they want to do after high school, such as Algebra 2 for direct admission into a 4 year college or university.
- A course, although not specifically required, will provide the student with valuable knowledge, experience or skills throughout their life.
- A course is chosen because the student enjoys an area, giving the student a further opportunity to enrich their life and to continue developing interests and abilities. This commonly includes art or music, but also includes courses from every department at RHS.

When selecting courses, students should be prepared to take the courses they select for next year. Changes will be made to schedules when:

- a prerequisite has not been met,
- if there is a scheduling conflict or if a class is not offered

Otherwise, students need to be prepared to take the courses they select with no changes being made.

Most students will select 14 courses for next year; included in the 14 will be study halls.

- 8th graders selecting 9th grade classes can only take 6 credits (12 courses) with 2 study halls unless they have a mid-year grade point average in 8th grade of 3.75 or higher. 8th grade students with a 3.75 or higher will be allowed to take up to 7 credits (14 courses).
- 9th, 10th and 11th grade students will need a mid-year grade point average above a 3.5 to enroll in more than 6 credits (12 courses).
- 11th grade students who are short the total number of credits to graduate may also be allowed to enroll in more than 6 credits (12 courses).

Also included in the 14 course count are study halls. Students wanting a study hall first semester will select course number 10001 and course 10002 for a second semester study hall. **Students should select 1000 for a study hall that can go either semester. Selecting 1000 allows the computer the greatest flexibility in meeting student request and scheduling the student.**

A few courses, such as AP Early American History and Residential Construction, are double classes, meaning they meet for 2 periods each semester. If you select a double class your total number of selections will decrease to possibly 12 or 13 selections depending on the number of double classes selected. **Students successfully completing these double classes will earn 1.0 credit each semester.**

Later in this booklet you will find a Rhinelander High School 4 Year Plan. Listing your courses on this page will assist you in selecting the correct number of courses. Your selections will then be circled on the Course Selection Sheet you receive.

****If you have questions about a course or what courses to select, please speak either with a teacher from the department that the course is in, your homeroom teacher or see one of the school counselors in Student Services!*

III. RHS GRADUATION REQUIREMENTS

STUDENTS NEED THE NUMBER OF CREDITS INDICATED BELOW TO EARN A DIPLOMA FROM RHINELANDER HIGH SCHOOL.
ALL COURSES ARE WORTH .5 CREDIT.

Class of 2012 - 23 credits

Class of 2013 & beyond - 22 credits

ENGLISH - 4.0 Credits, which is to include a .5 writing course:

- Grade 9: English Survey 1a and 1b -OR-
Accelerated English 1a and 1b (Teacher recommendation)
- Grade 10: English Survey 2a and 2b -OR-
Accelerated English Survey 2a and 2b (Teacher recommendation)
- Grades 11 and 12:
Writing Course
English Electives (1.5)

MATHEMATICS - 2.0 Credits:

Option 1:

- Grade 9: Algebra 1a and 1b
-OR-
Geometry a and b
- Grade 10: Geometry a and b
-OR-
Algebra 2 a and b

Option 2:

- Grade 9: Integrated Math 1a and 1b
- Grade 10: Integrated Math 2a and 2b

Students who receive Algebra, Geometry or other math credits while in middle school must earn 2.0 additional math credits in grades 9-12.

SCIENCE - 2.5 Credits:

Option 1:

- Physical Science
Biology 1
Biology 2
Science Electives (1.0)

Option 2:

- Grade 9: Science 9 a and 9b - Physical Emphasis
Grade 10: Science 10a and 10b - Biological Emphasis
Grades 11 and 12: Science Elective (.5)

Students who receive a waiver for Physical Science from the RHS principal will need to include at least 1.0 credit of Chemistry or Physics as part of their RHS Science graduation requirements.

SOCIAL STUDIES - 3.5 Credits:

- Grade 9: Global Studies a and b -OR-
Accelerated Global Studies a and b (Teacher recommendation)
- Grade 10: US History Survey a and b -OR-
Taken in grade 11; AP Early Am. Hist. (U) a and b **and** AP Modern American Hist. (U) a and b
- Grades 10, 11 and 12: Social Studies Electives (1.5)

PHYSICAL EDUCATION - 1.5 Credits:

- Grade 9: PE 9
Grade 10: PE 10
Grade 11: PE Elective (.5)

HEALTH - .5 Credits:

Usually completed in 8th grade. If not taken, or did not pass, Health must be taken at RHS in addition to the 1.5 P.E. requirement.

REQUIRED COURSE WAIVER OPTIONS: *A waiver to alter the required sequence of Rhinelander High School courses, or a waiver of prerequisites, shall be available to students who have exceptional educational interests, needs or requirements. The High School principal will take action on requests for waivers.*

Post-Secondary Education Admission Tips and Readiness

High school graduation requirements may be different from the entrance requirements for specific colleges and universities. The requirements listed below are minimum requirements for students to be eligible for admission to these institutions. Students are encouraged to exceed these minimum requirements and to challenge themselves by taking rigorous courses, including Advanced Placement courses, to be competitive in the collegiate admissions process.

University of Wisconsin System

Students must meet the following minimum requirements in order to be eligible for admission:

| | |
|---------------------------------------|-----------|
| English | 4 credits |
| Mathematics (minimum of Algebra 2) | 3 credits |
| Science | 3 credits |
| Social Studies | 3 credits |
| Fine Arts/Electives/Language | 4 credits |

Two years of a single foreign language are required for admission to UW-Eau Claire and UW-Madison, and strongly recommended at other UW System campuses.

Nation's Top Universities

Students must meet the following minimum requirements in order to be eligible for admission:

| | |
|---------------------|-------------|
| English* | 4 credits |
| Mathematics | 4 credits |
| Science | 3-4 credits |
| Social Studies** | 3 credits |
| Foreign Language*** | 3-4 credits |

**Intensive work in writing*

***Includes American & European History*

****At least one foreign language*

Rigorous courses should be taken, including AP level when possible, and SAT or complete ACT achievement tests administered by the College Board.

Wisconsin's Technical Colleges

The following are recommended high school credits for adequate, comprehensive preparation for success in technical college programs:

| | |
|-------------------|-------------|
| English | 4 credits |
| Mathematics | 3 credits |
| Science | 3 credits |
| Social Studies | 3 credits |
| Technical Courses | 3-4 credits |

Technical college programs have admission standards, and some programs have waiting lists. Apply early and seek your counselor's advice regarding your chosen program.

Wisconsin's Private Universities

Students must meet the following minimum requirements in order to be eligible for admission:

| | |
|------------------|-----------|
| English | 4 credits |
| Mathematics | 3 credits |
| Science | 3 credits |
| Social Studies | 3 credits |
| Foreign Language | 2 credits |

Considerations for admission include either ACT or SAT scores and grades earned within the context of courses taken, as well as the challenge level of the courses. This applies to 4-year colleges and universities.

RHINELANDER HIGH SCHOOL 4 YEAR PLAN

Fill in your course selections below

Grade 9

Semester 1

1. *English*

2. *Social Studies*

3. *Science*

4. *Math*

5. *Phy Ed.*

6. *Study Hall*

7. *Elective*

Semester 2

1. *English*

2. *Social Studies*

3. *Science*

4. *Math*

5. *Study Hall*

6. *Elective*

7. *Elective*

Grade 10

Semester 1

1. *English*

2. *Social Studies*

3. *Science*

4. *Math*

5. *Study Hall*

6. *Elective*

7. *Elective*

Semester 2

1. *English*

2. *Social Studies*

3. *Science*

4. *Math*

5. *Phy Ed.*

6. *Study Hall*

7. *Elective*

Grade 11

Semester 1

1. *English*

2. *Social Studies*

3. *Science*

4. *Study Hall*

5. *Elective*

6. *Elective*

7. *Elective*

Semester 2

1. *English*

2. *Social Studies*

3. *Phy Ed*

4. *Study Hall*

5. *Elective*

6. *Elective*

7. *Elective*

Grade 12

Semester 1

1. *English*

2. *Social Studies*

3. *Study Hall*

4. *Elective*

5. *Elective*

6. *Elective*

7. *Elective*

Semester 2

1. *English*

2. *Study Hall*

3. *Elective*

4. *Elective*

5. *Elective*

6. *Elective*

7. *Elective*

IV. CLASS RANK AND WEIGHTEDNESS

Determining Your Grade Point Average (Value Added System)

- A = 4.000
- A- = 3.667
- B+ = 3.333
- B = 3.000
- B- = 2.667
- C+ = 2.333
- C = 2.000
- C- = 1.667
- D+ = 1.333
- D = 1.000
- D- = .667
- F = 0

Total all grades and divide by the number of grades.
 After you have totaled grades and divided by number of grades, **Add .03 to your grade point average for every weighted class taken,** regardless of the grade received.

0 - 4 Grading Scale for Selected Grade 9 & 10 Courses

The Board of Education has approved the implementation of a grading scale for selected grade 9 and 10 courses that is aligned with the grading systems used in grades 4 through 8. These courses are; English Survey 1 & 2, Integrated Math 1, 2 & 3, General Math, Global Studies, U.S. History, Integrated Science 1 & 2.

0 - 4 Grading Scale Description

The grading scale is a four point scale rather than a 100 point scale. The primary difference between a four point scale and a 100 point scale is that there are equal intervals for all grades. In a 100 point scale, the F interval is 59 points wide and D through A intervals are 10 point wide. In a four point scale, the A/AB interval is .75 wide; the B/BC and C/CD intervals are each .99 wide; the D interval is .5 wide and the F interval is .74 wide. The interval for the F grade is much closer to the other grade intervals.

| Conversion Chart | | |
|------------------|-----|------------|
| Letter | 0-4 | RHS Cutoff |
| A | 4 | 3.6 |
| A/B | 3.5 | 3.25 |
| B | 3 | 2.75 |
| B/C | 2.5 | 2.25 |
| C | 2 | 1.75 |
| C/D | 1.5 | 1.25 |
| D | 1 | 0.75 |
| F | 0 | 0 |

Consistent Grading Systems for Departments

All departments are required to use one of two available grading systems. The first assigns 10% weight to homework, 30% weight to quizzes and projects and 60% to summative evaluations (test, major projects, master demonstrations, etc.). The second assigns 20% to homework, 30% to quizzes and projects and 50% to summative evaluations (tests, major projects, master demonstrations, etc.).

V. COURSE DESCRIPTIONS

READING COURSE DESCRIPTIONS

Course descriptions will provide the following information:

- The course number
- The course name
- The grade levels eligible to take a course
- Length of course and the amount of credit to be received for passing the course
- When applicable, the symbol (AP) indicates Advanced Placement, (U) indicates a weighted course
- Course prerequisites and possible recommended courses
- Information regarding course fees
- The course description

ART

There will be a materials fee for all Art Classes.

010 DESIGN ELEMENTS - 9, 10, 11, 12 (1 Semester - .5 credit) *Prerequisites: none* Students will learn more about the "rules, techniques and material used in art making. They will also review and gain a better understanding of line, color, texture and shape by completing a variety of art projects.

011 DESIGN PRINCIPLES - 9, 10, 11, 12 (1 Semester - .5 credit) *Prerequisite: none* Emphasis in this class is on design. Theory and application of balance, rhythm, proportion, scale, harmony, unity and emphasis will be explored. Systems of design and ways to make good ideas visual are the theme. Expand your horizons as you study art-making techniques, materials and methods. Learn to evaluate and appreciate beauty and art.

013 CERAMICS 1-9, 10, 11, 12 (1 Semester - .5 credit) *Prerequisites: none Recommended: Design Elements and Principles or Ceramics grade eight* This class is about clay and three-dimensional design. Review and expand upon basic hand-building and wheel-throwing techniques to make decorative or functional items. Learn about tools, semesters, procedures, methods, techniques and art history related to ceramics.

014 CERAMICS 2 - 9, 10, 11, 12 (1 Semester - .5 credit) *Prerequisite: Ceramics 1* This course is designed to allow students to continue developing and perfecting both hand-building and wheel-throwing skills. Students will practice making handles, spouts, lids, and feet for functional pieces and will experiment with sculptural forms. Students will combine hand-built and wheel-thrown pieces and will alter thrown forms. Ceramics 2 continues the study of ceramics in history as students learn more technical skills. Students will develop a personal vision and working style through demonstrations, videos, research, group critiques, studio work and individual consultation.

016 WATER COLOR PAINTING - 10, 11, 12 (1 Semester - .5 credits) *Prerequisite: Design Elements and Principles: Recommended: Drawing 1* Painting involves a special kind of seeing. The artist's way of looking at the world can be learned through experience. Study color, color mixing, the effects of color and color relationships while you explore ways to use that information with various painting techniques using watercolor, gouache and tempera paints. Familiar objects, photos, still life and landscapes may be the subjects or sources for your paintings.

017 DRAWING 1 - 9, 10, 11, 12 (1 Semester - .5 credit) *Prerequisite: None Recommended: Design Elements and Principles or Drawing grade 8* Drawing 1 is a beginning level course in which drawing is shown to be a foundation for all the visual arts, as well as an exciting art form in itself. The importance of seeing and understanding through the act of drawing is stressed, along with the specifics of line, form, light, space, color and composition. Students explore a variety of media, drawing surfaces and subjects. Techniques such as gesture drawing, contour drawing, proportion studies and shading methods will be practiced as students draw both simple and complex subjects.

018 DRAWING 2 - 9, 10, 11, 12 (1 Semester - .5 credit) *Prerequisite: Drawing 1* Students will continue developing drawing skills using a variety of mediums. Students will practice various drawing methods and techniques to problem-solve as they increase their creativity and originality. Emphasis is on controlling contrasts, light, volume, gesture, placement and proportion. Students will use tone and line to create mood and dimension as they learn to express themselves and communicate ideas on a two-dimensional surface, to produce quality art.

020 ACRYLIC PAINTING - 10, 11, 12 (1 Semester - .5 credit) *Prerequisites: Design Elements and Principles Recommend: Drawing 1* Students continue learning how to paint by seeing in the selective way that an artist sees. Explore drawings and painting techniques in a systemic way to be able to compose your own paintings using opaque acrylic paints. As you learn more technical information, experiment with several styles to help you develop a personal vision and your own way of interpreting it. Demonstrations, illustrations and examples will show you how the past has influenced the present.

021 SCULPTURE - 10, 11, 12 (1 Semester - .5 credit) *Prerequisites: Design Elements and Principles* Sculpture is an introductory course to three-dimensional design, which emphasizes the expressive qualities of form, structure and materials. Work may be done in wood, plaster, fabrics, wire, recyclables, papier-mâché, wire or clay, through modeling, carving and construction. Design applications are related to space, form and volume. Relief and three-dimensional sculpture are a language of materials.

022 ADVANCED ART - 11, 12 (1 Semester - .5 credit) *Can be taken more than once for credit Prerequisites: Ceramics 2 or Drawing 2 or Either Painting Classes or Sculpture* This option gives students an opportunity to explore special interest art topics and to cover material in greater depth and to a higher level than what the regular curriculum allows. Prior to the Semester in which students wish to take Advanced Art/Independent Study; the student and the instructor determine course content, requirements and means of evaluation. Example: a student wishing to take a third semester of ceramics would take Advanced Art.

BUSINESS AND INFORMATION TECHNOLOGY

Courses in the Business and Information Department focus on teaching people, technology, and financial literacy skills. In addition, the competency-based curriculum helps students understand how a business operates, learn where and how technology is used, develop employability and task-specific skills, select a career direction, market themselves, businesses, or organizations, and develop lifelong learning.

STRONGLY RECOMMENDED FOR ALL STUDENTS

EMPLOYABILITY SKILLS

INFORMATION PROCESSING

PERSONAL MONEY MANAGEMENT

COMPUTER APPLICATIONS

FBLA - Future Business Leaders of America is the oldest and largest national organization for student's preparing for careers in business leadership. FBLA - prepares students for "real world" professional experiences. Members gain the competitive edge for college and career successes. More than 250,000 members and adviser in 6,000 schools participate in this organization. FBLA's programs provide a relevant context for learning, including practical applications for classroom skills and knowledge. These programs will help you connect to the school, to the community, and to the business world. Choose from more than 40 different event categories including web page design, marketing, business plan, public speaking, and job interview. Members have the opportunity to compete and win on the local, state, and national levels. FBLA takes you to major business centers throughout the United States and you attend conferences in cities like Orlando, FL; Nashville, TN; and Anaheim, CA. You will get to know people in your state and across the nation at state and nationally sponsored events. Become a leader in you school, state, or country when you join FBLA.

Transcripted Credit Courses with Nicolet Area Technical College.

The Business Department has created agreements with Nicolet Technical College to offer Wisconsin Technical College credit along with high school credit in some business courses. Students that enroll and complete the course at a required standard can receive both high school and Nicolet Technical College credit. Students should expect a college level rigor for courses, except Information Processing I.

| High School Class | High School Credit | Equals | Nicolet Class | Nicolet Credit |
|---|--------------------|---------------|---------------------------------|----------------|
| Information Processing I | 0.5 | Equals | Computer Keyboarding | 1 |
| Information Processing I & II | 0.5 | Equals | Document Processing | 3 |
| Computer Applications | 0.5 | Equals | IT Fundamentals | 2 |
| Marketing Principles | 0.5 | Equals | Marketing Principles | 3 |
| Accounting I | 0.5 | Equals | Accounting Principles | 2 |
| <i>Intro to Programming (Tentative)</i> | <i>0.5</i> | <i>Equals</i> | <i>Programming Fundamentals</i> | <i>3</i> |
| Total - | 3.0 | | Total | 14 |

Courses available through Individualized Instruction with teacher approval:

Accounting 3

International Business

Accounting 4

Interactive Multimedia

Applied Yearbook 2

Business & IT Pathways for Career Clusters – key classes in bold

| Marketing, Sales, Service | | Business, Management, Administration | |
|---------------------------|--|--------------------------------------|--|
| Grade | Class | Grade | Class |
| 9 | Business Concepts, Info Processing 1 | 9 | Info Processing 1, Info Processing 2 |
| 10 | Web Page Development, Computer Applications, | 10 | Computer Applications, Business Concepts |
| 11 | Marketing , Accounting 1, | 11 | Intro to Leadership Management, Accounting 1 |
| 12 | Applied Yearbook , Intro to Leadership Management, Business Law, International Business | 12 | Business Law, Applied Yearbook, Desktop Publishing, International Business |

| Information Technology | | Finance | |
|------------------------|--|---------|--|
| Grade | Class | Grade | Class |
| 9 | Computer Applications, Info Processing 1 | 9 | Business Concepts, Info Processing 1 |
| 10 | Intro to Programming , Desktop Publishing | 10 | Accounting 1 , Accounting 2 |
| 11 | Web Page Development , Advanced Programming | 11 | Personal Money Management , Accounting 3, |
| 12 | Marketing, Yearbook, Interactive Multimedia | 12 | Accounting 4, , Business Law, Intro to Leadership Management, International Business |

| Business Concepts | | | | |
|--|--------------|--------|-------------|---------------|
| Course # | Prerequisite | Credit | Grade Level | Course Length |
| 050 | None | 0.5 | 9-12 | 1 Semester |
| <p>This course introduces students to the realities of business and entrepreneurship---for those considering a career in business or just interested in how a business works. Topics covered include: types of businesses, importance of small business, current trends in business, marketing and society, what a business gives to its community and characteristics of most people in business. By concentrating on individuals involved in real-life business situations, the students can get a clearer understanding of the overall structure of American business. A simulation is used in which students act as managers, interacting with each other in a model business community.</p> | | | | |
| Elective Credit | | | | |

| Information Processing 1 (Computer Keyboarding) | | | | |
|---|--------------|--------|---|---------------|
| Course # | Prerequisite | Credit | Grade Level | Course Length |
| 052 | None | 0.5 | 9-12 | 1 Semester |
| <p><i>STRONGLY RECOMMENDED FOR ALL STUDENTS</i> The major objectives of this course are to develop touch control of the keyboard and proper keyboarding techniques, build basic speed and accuracy skills, and provide practice in applying those basic skills to the formatting of letters, tables, reports, memos and many other kinds of personal, personal-business and business documents. Students are able to improve their language arts skills through production exercises that incorporate proofreading, spelling, punctuation, capitalization, number expression, subject-verb agreement, abbreviations and word choice. Microsoft Word 2010 is used in the course extensively.</p> | | | | |
| Elective Credit | | | Transcribed Credit with Nicolet – 1 Credit | |

| Information Processing 2 (Document Processing) | | | | |
|---|-------------------|--------|--|---------------|
| Course # | Prerequisite | Credit | Grade Level | Course Length |
| 053 | Info Processing 1 | 0.5 | 9-12 | 1 Semester |
| <p>This second Semester of the information processing cycle promotes the further development of basic keyboarding skills and emphasizes the production of a wide range of typical business correspondence, tables, reports, and forms from unarranged and rough-draft sources. A unit in transcribing dictated materials using word processing is included. In addition, integrated projects emphasize and provide practice in applying such skills as editing, abstracting, decision making, setting priorities, following directions, working under pressure and working with interruptions. Reinforcement of language arts skills continued. Advanced formatting techniques are further developed.</p> | | | | |
| Elective Credit | | | Transcribed Credit with Nicolet – 3 Credits | |

| Desktop Publishing | | | | |
|---|--------------------------|---------------|--------------------|----------------------|
| Course # | Prerequisite | Credit | Grade Level | Course Length |
| 054 | Info Processing 1 | 0.5 | 9-12 | 1 Semester |
| This course is designed to help you develop design and page layout skills by presenting a wide variety of desktop documents to complete. From designing menus, to creating promotional materials, you will get real-world practice and reinforcement in: page layout and design, planning, decision-making. Advanced formatting techniques (such as import, color, auto shapes, 3-D effects, shadows, and watermarks) are learned and utilized throughout the course. A real-world comprehensive project is used, along with your own creativity and imagination. Recommended in conjunction with Applied Yearbook. | | | | |
| Elective Credit | | | | |

| Accounting I (Accounting Principles) | | | | |
|--|---------------------|---------------|---|----------------------|
| Course # | Prerequisite | Credit | Grade Level | Course Length |
| 062 | None | 0.5 | 10-12 | 1 Semester |
| This is an introductory course designed to allow students to explore the endless possibilities of the accounting profession and to build the foundation for their journey into the world of business. The basic accounting cycle that all service and merchandising enterprises follow will be used as core curriculum to teach the concepts of "real world" accounting principles. <u>Note:</u> All post-secondary certificate & degree programs in business require accounting credits. | | | | |
| Elective Credit | | | Transcripted Credit with Nicolet - 2 Credits | |

| Accounting 2 | | | | |
|--|---------------------|---------------|--------------------|----------------------|
| Course # | Prerequisite | Credit | Grade Level | Course Length |
| 063 | Accounting 1 | 0.5 | 10-12 | 1 Semester |
| In this course students will continue to build on their foundation of "the language of business" by completing the accounting cycle for businesses organized as privately held merchandising corporations (businesses that sell products rather than services). Special journals will be used to teach the more efficient bookkeeping process that most large businesses use. A special unit on payroll will be presented so students can learn all the different aspects that go into "receiving a paycheck." Like Accounting 1, this course also concludes with a comprehensive "real life" business simulation. | | | | |
| Elective Credit | | | | |

| Accounting 3 | | | | |
|--|---------------------|---------------|--------------------|----------------------|
| Course # | Prerequisite | Credit | Grade Level | Course Length |
| 064 | Accounting 2 | 0.5 | 11-12 | 1 Semester |
| This weighted course begins with a mini-practice set in order to review the steps in the accounting cycle learned in Accounting 1 and 2. Publicly held and traded corporations will be used as examples throughout the course as students learn about the following accounting principles: accounts receivable (credit, uncollectible accounts, aging, etc.), promissory notes, inventory management (FIFO, LIFO, etc.), determining costs and depreciation of major assets, accounts payable (notes, payable, dividends, accruals, etc.), mortgages, bonds, stocks, and financial statements. Like Accounting 1 and 2, this course also concludes with a comprehensive "real life" business simulation. | | | | |
| Elective Credit | | | | Weighted |

| Accounting 4 | | | | |
|--|---------------------|---------------|--------------------|----------------------|
| Course # | Prerequisite | Credit | Grade Level | Course Length |
| 065 | Accounting 3 | 0.5 | 11-12 | 1 Semester |
| This course is designed to develop the students' understanding of business information, i.e., analyzing and interpreting financial statements and the statement of cash flows. Students will also learn how to account for other forms of businesses like partnerships and not-for-profit organizations. Some special accounting systems will be introduced like departmental accounting (Wal-Mart), branch accounting (multi-store businesses), internal controls and vouchers, manufacturing accounting, product costing, managerial control, profit relationships, and pricing decisions. | | | | |
| Elective Credit | | | | Weighted |

| Business Law | | | | |
|--|---------------------|---------------|--------------------|----------------------|
| Course # | Prerequisite | Credit | Grade Level | Course Length |
| 068 | None | 0.5 | 10-12 | 1 Semester |
| This course focuses on the changes in legal rights and responsibilities that occur when you become 18. The purpose is to inform you of your rights and to help you recognize and avoid possible problems. Specific topics to be covered include but are not limited to: voting, military service, jury duty, alcohol/drugs, driving, criminal charges, sexual crimes, and a special emphasis on contracts which includes employment, rental, leases, insurance, marriage/divorce, credit, and consumer protection. Actual court cases are integrated throughout the course to help authenticate the concepts being taught. | | | | |
| Elective Credit | | | | |

| Personal Money Management and Finance | | | | |
|---|---------------------|---------------|--------------------|----------------------|
| Course # | Prerequisite | Credit | Grade Level | Course Length |
| 069 | None | 0.5 | 10-12 | 1 Semester |
| <i>STRONGLY RECOMMENDED FOR ALL STUDENTS</i> This course will help students come face to face with financial concerns such as: credit, checking, saving, insurance, investing, taxes, budgets and other money related responsibilities of adult life. It will give the students the tools they need to become independent thinkers and money managers so they can achieve their own personal, financial and consumer goals. | | | | |
| Elective Credit | | | | |

| Employability Skills | | | | |
|---|---------------------|---------------|---|----------------------|
| Course # | Prerequisite | Credit | Grade Level | Course Length |
| 080 | None | 0.5 | 10-12 | 1 Semester |
| <i>STRONGLY RECOMMENDED FOR ALL STUDENTS</i> This course is designed to help ALL students gain the knowledge and skills necessary to make a successful job and career search, and make the transition into the adult working world. Topics covered include: resume and interview skills, work attitude, employer expectations, business manners, time management and dressing for success. In addition to credit for this course, the student is able to earn an additional $\frac{1}{2}$ credit, as well as an Employability Skills Certificate (p.28) from the State for taking this course as well as being employed. More details about this opportunity can be obtained from the teacher and/or the District's School-to-Work Coordinator. | | | | |
| Elective Credit | | | State Employability Skills Certificate Available | |

| Introduction to Leadership Management | | | | |
|--|---------------------|---------------|--------------------|----------------------|
| Course # | Prerequisite | Credit | Grade Level | Course Length |
| 081 | None | 0.5 | 11-12 | 1 Semester |
| The solution to today's productivity dilemma will not be found in gaining more authority, more control, and "doing more things right." The answer can be found in the process of leadership, of inspiration and influence, and of 'doing more of the right things' when dealing with people. Leadership is more than a mere position. Managers use their authority of position to control people. Leaders use their ability to build commitment with a value-driven direction and a process of involvement. Leaders are NOT born, they are developed--this course is aimed at beginning that development. Some units in the course are as follows: motivation, skillful problem solving, delegation, group direction, positive attitudes, self-esteem, enthusiasm, goal setting, time management, listening, and positive discipline and performance appraisal. All of these topics may be applied not only to a profession, but also to our social, mental, physical, spiritual, financial, and family lives. | | | | |
| Elective Credit | | | | |

| Marketing Principles (Marketing Principals) | | | | |
|---|---------------------|---------------|--|----------------------|
| Course # | Prerequisite | Credit | Grade Level | Course Length |
| 083 | None | 0.5 | 10-12 | 1 Semester |
| Marketing is the process of planning, pricing, promoting, and selling to create exchanges that satisfy customers. Marketers are the people that create a way to plan a product, what is the price range for a product, advertise the product, and how to sell the product. From Apple to Wal-Mart all companies use marketing to sell/promote their products. If you want to learn about how to sell anything from yourself to someone else's idea, take Marketing. | | | | |
| Elective Credit | | | Transcribed Credit with Nicolet - 3 Credits | |

| Web Page Development | | | | |
|--|---|---------------|--------------------|----------------------|
| Course # | Prerequisite | Credit | Grade Level | Course Length |
| 091 | Computer Applications or Information Processing 1 | 0.5 | 9-12 | 1 Semester |
| Students in this course will learn to build and maintain web sites using HTML programming and FrontPage, publish online content integrating multimedia components, locate and evaluate existing web pages on the Internet, and understand the legal and ethical ramifications of displaying web pages on the Internet. The final completion project for this class will be an independently designed web site created using HTML or Dreamweaver. | | | | |
| Elective Credit | | | | |

| Computer Applications (IT Fundamentals) | | | | |
|--|---------------------|---------------|--------------------|----------------------|
| Course # | Prerequisite | Credit | Grade Level | Course Length |
| 092 | None | 0.5 | 9-12 | 1 Semester |
| Computer Applications is an elective one-semester course, recommended for all students, grades 9-12. This course is designed to be flexible and to adapt to changes in current trends in technologies and business. Real-world, practical business application of software packages is stressed. Introductory level skills will be developed using integrated software packages that include word processing, spreadsheets, databases, and presentation graphics. Other units included are: desktop publishing; animation, internet access and use, web 2.0 and manipulation, and careers. | | | | |
| Elective Credit Transcribed with Nicolet - 2 Credit | | | | |

| Introduction to Computer Programming | | | | |
|--|-----------------------|---------------|--------------------|----------------------|
| Course # | Prerequisite | Credit | Grade Level | Course Length |
| 093 | Alg. 1 or Int. Math 2 | 0.5 | 9-12 | 1 Semester |
| Introduction to Programming is an elective one-Semester course open to all students, grades 9-12. Topics include the Visual Basic .NET - Integrated Development Environment, building an application and working with variables, constants, data types, and expressions. Problem solving, programming and computer logic, and proper code form is stressed. Students also learn about decision-making, multiple forms, procedures, functions, debugging, and creating executable files. Units on careers and game programming will be offered. | | | | |
| Elective Credit | | | | |

| Advanced Computer Programming | | | | |
|--|----------------------|---------------|--------------------|----------------------|
| Course # | Prerequisite | Credit | Grade Level | Course Length |
| 094 | Intro to Programming | 0.5 | 9-12 | 1 Semester |
| This is a one-semester course providing a continuation of skills learned in Introduction to Programming in a new programming language. Students will receive an introduction to string manipulation, arrays, sorting, and both random and sequential file handling. Additional topics will include compiling environments, multiple platform access, programming style, library concepts, game programming and modularization. | | | | |
| Elective Credit | | | | |

| Applied Yearbook | | | | |
|--|---------------------|---------------|--------------------|----------------------|
| Course # | Prerequisite | Credit | Grade Level | Course Length |
| 441 | None | 0.5 | 10-12 | 1 Semester |
| This comprehensive course puts to practice applied principles of a small business, desktop publishing, journalism, marketing, basic accounting, business and management skills. Areas stressed during the course will include sales, marketing, article writing, digital photography, graphic design, photo editing, teamwork, and professional publishing business practices. Since the class produces a final product that will be marketed and sold, class periods will be conducted in a functional business environment. Strong writing and computer skills are necessary for this course, as well as an excellent work ethic and the ability to meet deadlines. Class size and number of classes offered may be limited. | | | | |
| Elective Credit | | | | |

DRIVER AND TRAFFIC SAFETY EDUCATION

CLASSROOM - 9, 10, 11, 12 - 32 hours - This is a six-month class offered to students 15 years 5 months old and older beginning with a mandatory parent meeting and the temps test for eligible students (meeting and test are normally scheduled 1 to 2 weeks prior to the start of class). Students are expected to pick up the Wisconsin Motorist Handbook from the Dept. of Motor Vehicle or from the Drivers Education teacher prior to the temps test so that the learners permit can be secured as soon as possible. There will be a new session starting about every 2 months, thus six sessions will be started during the course of the year. The classroom phase of drivers' education will be taught from 6:45 - 7:45 am twice a week during the first two months. Beginning in the 3rd month, students will attend class once a week for the next four months. **Parents will need to arrange transportation for these early morning classes.**

Topics of study include; GDL requirements, zone control, instrument control and devices, risk management, right of way rules, traffic signs and signals, road way markings, special driving environments, sharing the roadway with other vehicles, effects of alcohol and other drugs, risks related to distractions (cell phone/texting), drowsy driving, and the importance of wearing seat belts.

BEHIND THE WHEEL (BTW) Lessons will run concurrently with classroom instruction. Driving instruction will be delivered in two hour blocks of time, a minimum of six hours of BTW instruction will be given. Students are expected to have the learners permit in their possession every day.

A technical writing analysis will be required after each driving lesson. Observations made during the lesson need to be identified, organized and recorded within the guidelines given to the student.

A program fee is charged for this class and payment is expected within the first month of class.

Study Hall

- 1000** For requesting a Study Hall that can go either 1st or 2nd semester
(This allows the computer the most flexibility in student scheduling.)
- 10001** For requesting a 1st semester Study Hall
- 10002** For requesting a 2nd semester Study Hall

Most students are required to take 2 study halls a year. 8th graders selecting 9th grade classes can only take 6 credits (12 courses) with 2 study halls unless they have a mid-year grade point average in 8th grade of 3.75 or higher. 8th grade students with a 3.75 or higher will be allowed to take up to 7 credits. 9th, 10th and 11th grade students will need a mid-year grade point average above a 3.5 to enroll in more than 6 credits. 11th grade students who are short the total number of credits to graduate may also be allowed to enroll in more than 6 credits.

If students are on track to graduate they can take more than one study hall a semester. ***Students involved in activities that are governed by the School District of Rhinelander Activity Code are reminded, that according to the Activity Code, they must be enrolled in 5 courses (or 2.5 credits) each semester. Anyone with questions regarding the Activity Code should contact the Activities Director.***

ENGLISH

Graduation Requirements: Four credits of English, including a writing course, which incorporate instruction in written communication, oral communication, grammar and usage of the English language and literature.

Required course sequence: **9th grade** - English Survey 1a/1b or Accelerated English Survey 1a/1b; **10th grade** - English Survey 2a/2b or Accelerated English Survey 2a/2b; **11th/ 12th grade** - English electives (1.5 credits) and a writing course (.5 credit).

- Students must successfully complete English Survey 2a/2b or Accelerated English Survey 2a/2b as a prerequisite for all (U) and (AP) English courses.
- Classes that have an asterisk (*) next to the name fulfill the writing requirement for graduation.
- A recommendation from a sophomore English teacher is required for enrollment into Beginning Writing.

The English Department recommends the following courses:

Planning to attend Four Year College/University:

AP Adv. Modern Literature (U)(AP)*
Creative Writing*
Contemporary Literature
AP Early American Literature (U)(AP)*
AP Early English Literature (U)(AP)*
AP Expository Writing (U)(AP)*
Intermediate Writing *

Late American Literature
Late English Literature
AP Literary Themes (U)(AP)*
Debate (U)
Advanced Debate (U)
The Research Process (U)*
Journalistic Writing*

Planning to attend Technical College:

Contemporary Literature
Creative Writing*
Fiction
Intermediate Writing
Journalistic Writing*
Late American Literature
Oral Interpretation
Practical English*
Non-Fiction
Media Film

Creative/Oral Experience:

Creative Writing*
Debate (U)
Advanced Debate (U)
Journalistic Writing*
Interpersonal Communication
Oral Interpretation
Media Film

Students who intend to take the AP Literature Exam should take at least 2, and preferably 3, AP designated classes prior to the 2nd semester of their senior year.

100/101 ENGLISH SURVEY 1a AND 1b - 9 (2 Semesters - .5 credit per semester) 9th grade students are required to take either this course or Accelerated English Survey 9. This is a two semester course with .5 credit awarded for each semester. Students will develop skills in the following areas: reading comprehension, writing, and formal/informal speaking. Students will analyze and discuss the genres of poetry, fiction, non-fiction and drama. A writing assessment is administered at the end of this course.

1011/1012 ACCELERATED ENGLISH SURVEY 1a AND 1b - 9 (2 Semesters - .5 credit per semester) 9th grade students are required to take either this course or English Survey 9. Placement in this course should be recommended by the 8th grade English teacher. This is a two semester course with .5 credit awarded for each semester. Students will develop skills in the following areas: reading comprehension, writing, and formal/informal speaking. Students will analyze and discuss the genres of poetry, fiction, non-fiction and drama. A writing assessment is administered at the end of this course. This course mirrors the curriculum in English Survey 9, but the rigor and expectations for this course merit the accelerated title.

104/105 ENGLISH SURVEY 2a AND 2b - 10 (2 Semesters - .5 credit per semester) English Survey 2A/2B is a two-Semester course that reinforces the fundamentals of Language Arts and introduces critical analysis. Students will practice and demonstrate skills in reading, writing, speaking, and listening. Students in 2A will master reading strategies to better understand the fiction and nonfiction texts connected to the theme of "Coming of Age." Students will complete research projects, media products, and speeches. Writings include reflective, persuasive, and definition essays. Students in 2B will analyze, discuss, and write about novels, poems, and drama related to the theme of "Standing up for Justice," delving deeper into literary devices and techniques. Students will also write a research essay using MLA format.

1015/1016 ACCELERATED ENGLISH SURVEY 2a AND 2b - 10 (2 Semesters - .5 credit per semester) English Survey 2A/2B is a two-Semester course that reinforces the fundamentals of Language Arts and introduces critical analysis. Students will practice and demonstrate skills in reading, writing, speaking, and listening. Students in 2A will master reading strategies to better understand the fiction and nonfiction texts connected to the theme of "Coming of Age." Students will complete research projects, annotated bibliographies, media products, and speeches. Writings include impromptu, reflective, argumentative, literary analysis, comparison/contrast, and definition essays. Students in 2B will analyze, discuss, and write about novels, poems, and drama related to the theme of "Standing up for Justice," delving deeper into literary devices and techniques. Students will also write a complete research paper using MLA format. This course mirrors the curriculum in English Survey 10, but the rigor and expectations for this course merit the accelerated title and it is intended as proper preparation for Advanced Placement work during junior and senior years.

106 AP ADVANCED MODERN LITERATURE* - 11, 12 (1 Semester - .5 credit) (U) (AP) This is a course designed for the needs of the college-bound student and is an integral part of the AP program in the English Department. Students will read several novels, stories, plays, and poems by modern writers such as Hemingway, Faulkner, Morrison, Camus, Vonnegut, and others. Study of these works will be enhanced with art and music of the Modern era. Students will participate in discussions of the literature using the Shared Inquiry method and will practice writing argumentative essays. The level of reading and writing students are expected to perform is intended to be equivalent to an entry-level college course. This course prepares students to take the AP English Literature exam.

108 BEGINNING WRITING* - 11, 12 (1 Semester - .5 credit) Prerequisite: Recommendation by sophomore English Teacher. The principle objective of this course is to develop minimum competency writing skills in those for whom writing is a struggle. Students will learn to write, edit, and proofread paragraphs, essays, and business letters. A further objective is to prepare students in the practical application of the English language in speaking, listening, and reading to strengthen communication skills.

109 PRACTICAL ENGLISH* - 11, 12 (1 Semester - .5 credit) This course emphasizes practical uses of English. Students review grammar, punctuation, and the writing process. Students practice various business correspondence including memos, reports, and following and giving directions. Students also practice writing cover letters, resumes, filling out applications, interviewing, and follow-up letters. Students research a career based on their interests and aptitudes. This class is designed for students who want to strengthen their English skills and are intending to attend a technical college or go directly into the world of work. This class is not intended for students wanting to prepare for a four-year college.

110 CREATIVE WRITING* - 10, 11, 12 (1 Semester - .5 credit) The emphasis in this course is on creativity, originality, style, and audience. Each week students turn in a creative writing assignment for formal evaluation by the teacher. Examples of good writing, both professional and student-produced, are discussed in class. Students also keep a daily journal, which they share with the rest of the class. Many of the weekly assignments develop out of these journal entries. Students study and write plays, poems, and short stories.

111 DEBATE - 10, 11, 12 (1 Semester - .5 credit) (U) Prerequisite: English 1A/B with a "B" or better. Students will learn the principles of policy debate including the gathering and analysis of evidence and data. Debate students will abide by the Wisconsin Debate Coaches Association standards and will debate the nationally chosen topic for that year. This class is for highly motivated students who enjoy the challenge of analyzing and synthesizing information while using logic to think on their feet. Students use advanced research skills, listening skills, writing and organizational skills. The art of argumentation will be studied as students produce an argumentative paper.

112 AP EARLY AMERICAN LITERATURE* - 11, 12 (1 Semester - .5 credit) (U) (AP) This course parallels the dynamic historical development of our young country with its equally revolutionary literary advancements from approximately 1600-1900. America's underlying dreams, desires, and harsh realities are interpreted from its early literature and students will become well-practiced in modern literary analysis which draws on seeing old works anew through use of racial, feminist, environmental, historical, biographical, socio-economic, and spiritual lenses. Students will also gain an appreciation and understanding of the period's language as well as its style, both of which are foundations of university-level English courses. AP style literary analysis is of high priority and is practiced through student-driven discussions and argumentative essays. This course prepares students to take the AP English Literature exam.

113 AP EARLY ENGLISH LITERATURE* - 11, 12 (1 Semester - .5 credit) (U) (AP) This course follows the writing and development of early English literature. Following a chronological sequence from 700 to the early Eighteenth Century, students study such major works as Beowulf, Chaucer's Canterbury Tales, Shakespeare's Macbeth, and Swift's Gulliver's Travels. Students will also study numerous other works that are part of this chronology. Students will practice reading and writing skills that will help them prepare for the AP exam and for college.

115 AP EXPOSITORY WRITING* - 11, 12 (1 Semester - .5 credit) (U) (AP) This is a course for college-bound students. It focuses on critical analysis of literature and the writing process. The student will learn to write expository prose in response to various kinds of literature (novels, short stories, poetry, plays, and film) related to a particular theme. This class emphasizes thesis, qualification, verification, organization, and mechanics. The student may expect to write four major papers in the course, working to develop and to control ideas in papers of increasing length. The level of reading and writing students complete in this class is to be equivalent to an entry-level college course. This course prepares students to take the AP English Literature exam.

116 FICTION - 11, 12 (1 Semester - .5 credit) Fiction is a course intended to instill reading for pleasure as a lifelong activity by providing explicit instruction and practice in reading strategies intended to improve student comprehension. Students will learn how to choose appropriate materials, respond creatively to texts, share insights about ideas in the texts in both written and oral formats, and gain skills in reading strategies and literary terminology which will transfer to future reading experiences. The format of this course will be a Reading Workshop involving multiple response activities such as reading circles, journals, interactive study guides, shared inquiry discussion, and possibly online discussion boards intended to create enthusiasm for reading literature.

117 INTERPERSONAL COMMUNICATIONS - 11, 12 (1 Semester - .5 credit) This is a speech course designed to make students more effective communicators. Students will study communication principles, process, and implementation. Students will examine how perception and nonverbal signal affect communication and will analyze and apply strategies for listening in various situations. Students will prepare and present oral presentations or demonstrations appropriate to the workplace, such as proposals, analyses or reviews. Students will examine how cultural differences and gender issues impact communication. Learners will also study and model affective strategies for working within groups and identify conflict resolution strategies. This course is intended for students who wish to improve their communication skills in the workplace and in group settings. Students are expected to be active readers, writers, speakers, and listeners.

118 INTERMEDIATE WRITING* - 11, 12 (1 Semester - .5 credit) Intermediate writing is an elective course that focuses on discovery and application of individual writing process from prewriting through revision and publishing. This course begins examining paragraph structure then moves through the personal essay, the persuasive/argumentative essay and the application essay. Focusing on revision, the course provides extensive practice in coherence, structure and detail. The class includes extensive guided practice in peer revision as well as sentence combining and editing. All students will benefit from this class, but electing it before the upper level weighted courses is most valuable.

119 JOURNALISTIC WRITING* - 11, 12 (1 Semester - .5 credit) Journalistic Writing is designed for students with an interest in gaining a working knowledge of the unique types of writing practiced by journalists. Subjects covered include the history and purpose of journalism, journalistic law, desktop publishing, and several story styles including news, feature, and editorial writing. Students practice these lessons in writing mock pieces and in contributing at least one article to each of the two editions of the school newspaper, *The RHS Reporter*, published each semester. These articles are worked through an extensive writing process including background research, interviewing, and editing. Students may also be involved in the photography, entertainment, and survey-taking portions of the newspaper. Finally, students will also learn video-editing skills as they create editions of *Hodag Happenings*, a student-created news broadcast.

120 LATE AMERICAN LITERATURE - 11, 12 (1 Semester - .5 credit) This course covers significant American writers from the 1900's to the present. Following a chronological sequence, students will read Hemingway's *A Farewell to Arms*, Fitzgerald's *The Great Gatsby*, Morrison's *Song of Solomon*, and Steinbeck's *The Grapes of Wrath*, as well as selected poems, stories and drama by other important writers. Students will not only examine the historical context of the works, but also will use both reader response and close critical reading skills to examine the ideas presented by writers. Using shared inquiry discussion, reading journals, online discussion boards and blogs, students respond to their reading. The level of critical thinking required in this course will benefit both college-bound students and those attending technical school.

121 LATE ENGLISH LITERATURE - 11, 12 (1 Semester - .5 credit) Students in this course will be introduced to the major writers of 19th century British literature including the Romantic poets Byron, Shelley, and Keats, as well as Mary Shelley's *Frankenstein*. Major works studied from the Victorian age include Jane Austen's *Northanger Abbey*, Emily Bronte's *Wuthering Heights*, and Oscar Wilde's *The Picture of Dorian Gray*. Students complete this survey course with a study of Conrad's *Heart of Darkness* and H.G. Wells' *The Time Machine*. Intended for college bound students, class activities include regular expository writing, close reading, and class discussion.

122 AP LITERARY THEMES* - 11, 12 (1 Semester - .5 credit) (U) (AP) This course begins with the study of Greek mythology and is followed by detailed study of Homer's *Odyssey* and all of its themes. Students will then study Shakespeare's *Hamlet* and will investigate and analyze the Faust legend from its origins to the present. Extending the themes found in classic works, students read Toni Morrison's *Beloved*. Students will write many argumentative essays throughout the semester. Whenever possible, music and art will be used to illustrate the themes being studied. This course will not only prepare students for the rigor of college, but will also prepare them to take the AP English Literature exam.

123 MEDIA FILM - 11, 12 (1 Semester - .5 credit) The purpose of this course is to help students become "media wise" by developing their critical abilities in regard to television and film. Students analyze and discuss the effects of media on values, society and the family. Students also learn to recognize and analyze television, radio, and print advertising techniques. Film study involves film history, documentary, cinematography, editing, lighting, sound, and acting. Students actively view several films, using film guides, reviews, readings and discussions to direct their learning. Some of the films viewed include *Citizen Kane*, *On the Waterfront*, *The African Queen*, *Breaking Away*, *Bowling for Columbine*, and *Psycho*. Students are expected to read textbook selections, analyze videos, write short papers, work in small groups, create presentations, and write essay exams. A genuine interest in the study of television and films is desirable.

124 CONTEMPORARY LITERATURE - 11, 12 (1 Semester - .5 credit) Contemporary Literature is for students that like to read and talk about recently published literature that deals with timely issues affecting students' lives. It operates on the premise that good literature changes or adds to its reader. Students will read and discuss approximately seven contemporary novels as well as current short stories, poetry, and plays. Individualism, the confusion of youth, war, and racial prejudice are some of the topics explored. These explorations will lead into extension projects, including formal writing that allow students to act in real, personally meaningful ways on the thoughts inspired by the literature.

125 NON-FICTION - 11, 12 (1 Semester - .5 credit) This course provides students with an opportunity to explore the world of non-fiction reading and viewing. Specific topics are examined through books, essays, and videos. The subject areas studied include African-Americans, Native Americans, war, and wildlife. Students will demonstrate their understanding of these materials through written responses and formal assessments.

126 ORAL INTERPRETATION - 11, 12 (1 Semester - .5 credit) Students will learn and practice interpretative communication and performance skills related to voice and body. The study will include practice in pantomime, acting, and story telling, requiring growth in poise, posture, gesture, and listening. Students will learn how to create, edit and produce short productions that are live and filmed. Video-editing software will be introduced and used in the creation of productions. Students will write audience appropriate scripts and stories. Students will gain the confidence needed to perform in front of large groups. This course is appropriate for the student interested in theatre and creative performance, rather than formal speaking.

135 ADVANCED DEBATE - 11, 12 (1 Semester - .5 credit) (U) Prerequisite: Debate 1 with "C" or better. This course is offered only to students who have successfully completed Debate One. This course will include an in depth presentation and analysis of debate, its theory, and implementation as well as advanced methods of research techniques and evidence gathering. Students will continue to progress in policy debate, focusing on being able to argue both sides of a given resolution. Further, students will be introduced to Public Forum and Lincoln Douglas debate formats. Students will enhance their critical thinking and public speaking skills. Advanced debate students are required to participate in out of district competitive debate. This course may be repeated for credit, with differentiation in assessment based on experience.

139 THE RESEARCH PROCESS * - 11, 12 (1 Semester - .5 credit) (U) The course is designed to teach college-bound students how to locate, evaluate, and manage research materials. Students learn college-level researching, note taking, and composing. Students will write a historical research paper practicing the MLA method of documentation and a science research paper practicing the APA method of documentation. The third paper the students write will be on a topic they have selected. Students who take this course should have questioning minds and the self-discipline necessary to work independently. This class is designed for students planning to further their education in college or technical school.

FAMILY & CONSUMER SCIENCES and HEALTH SCIENCES

Transcripted Credit Courses with Nicolet Area Technical College.

The Family & Consumer Sciences & Health Sciences Department has created agreements with Nicolet Technical College to offer Wisconsin Technical College credit along with high school credit in some courses. Students that take and complete the course at a required standard can receive both high school and Nicolet Technical College credit.

| High School Class | High School Credit | Equals | Nicolet Class | Nicolet Credit |
|--------------------------------|--------------------|--------|--------------------------------|----------------|
| Medical Terminology | 0.5 | Equals | Medical Terminology | 3 |
| Foundation for Early Education | 0.5 | Equals | Foundation for Early Education | 3 |

Family & Consumer Sciences and Health Science Areas

| Merchandising | | Early Childhood Development/Services | |
|---------------|--|--------------------------------------|---|
| Grade | Class | Grade | Class |
| | | 9 | Culinary Basics 1 |
| 10 | Marketing | 10 | Child Development 1 |
| 11 | Marketing, Independent Living or Employability Skills, Relationships | 11 | Assistant Child Care Teacher, Independent Living or Employability Skills, Relationships |
| 12 | Computers in Business, Psychology, Oral Interpretation | 12 | Psychology, Oral Interpretation, Business Law, Business Concepts |

| Restaurant/Food Beverage Service (ProStart) | | Health Sciences | |
|---|---|-----------------|--|
| Grade | Class | Grade | Class |
| 9 | Culinary Basics 1 | 9 | Introduction to Medical Occupations |
| 10 | Culinary Basics 2 | 10 | Computer Applications |
| 11 | ProStart (or in 12 ^h grade), Independent Living, Relationships | 11 | Child development 1, Independent Living or Employability Skills, Relationships |
| 12 | Computer Applications, Business Concepts | 12 | Medical Terminology, Computers in Business, Psychology |

262 INDEPENDENT LIVING - 11, 12 (1 Semester -- .5 credit) Independent Living is designed for juniors and seniors who will soon be living on their own. Topics include achieving and maintaining independence through units on Goal setting- decision-making and communication; Careers - resumes, cover letters, job applications, portfolios, and job interview skills; Finances - budgets, credit, checking and savings accounts, and investments; Wellness - stress reduction techniques. In addition to credit for this course, the student is able to earn an additional $\frac{1}{2}$ credit for taking this course as well as being employed. More details about this opportunity can be obtained from the teacher and/or the district's School-to-Work Coordinator.

249 SERVICE LEARNING - 11, 12 (1 semester, .25 credit; 1 year practicum - .25 credit) *NOTE: SERVICE LEARNING IS NOT A CLASS YOU SELECT, BUT RATHER A CLASS YOU ARE CHOSEN FOR FROM AMONG YOUR PEERS DURING YOUR SOPHOMORE YEAR.* Service Learning is a class designed to develop leadership skills which students will then use to help freshmen and new students to the district have a successful transition to high school. Service Learning students become mentors to their homeroom students. Interested students must follow these guidelines: 1.) self-nominate in the spring of their sophomore year, 2.) be chosen by a vote of their classmates, 3.) fill out an application form, 4.) complete an interview.

HOUSING AREA

264 HOUSING/INTERIOR DESIGN - 9, 10, 11, 12 (1 Semester .5 credit) This is an exploratory course designed to involve students in a variety of projects related to consumer choices in housing and interior design. Units covered include room design, furniture construction and arrangement, window, wall and floor treatments, lighting and kitchen design and will incorporate the use of design principles. Field trips, speakers, and software such as 3D Home Architect will provide current information for personal consumer choices as well as career exploration.

RESTAURANT & FOOD/BEVERAGE SERVICE

254 CULINARY BASICS I - 9, 10, 11, 12 (1 Semester .5 credit) Culinary Basics I is designed to provide the student with the nutrition information to make healthy choices in the selection and preparation of foods, the skills to manage time and energy, and the knowledge of various food preparation principles. Working as a team, students apply nutrition information to a lab setting that requires cooperation and communication. This course is a prerequisite to Culinary Basics II. Fee.

257 CULINARY BASICS II - 9, 10, 11, 12 (1 Semester .5 credit) Prerequisite - Culinary Basics I. This course is designed to provide the student opportunities to plan, create, and serve appetizing and nutritious meals. Students participate in weekly labs with emphasis on management of food, time, resources and money. In addition to American cuisine, foreign foods are explored. Activities are designed to help students make wise consumer choices as well as investigate career possibilities. This course is a prerequisite to ProStart. Fee.

258 PROSTART -11, 12 (2 Periods, 1 Semester, - 1 credit) Prerequisite: Culinary Basics II. Recommended: Independent Living. ProStart, a two period, one semester course, builds on the skills learned in Culinary Basics I & II. This course incorporates curriculum developed by the National Restaurant Association in conjunction with the National Restaurant Association Educational Foundation to educate students about a rapidly growing industry. In addition to food preparation, topics such as customer relations, cost accounting, food cost controls, and marketing, are covered. The ProStart class offers students an opportunity to explore exciting and rewarding careers in the hospitality industry such as executive chef, general manager and restaurant owner. Students can earn college credit at certain state and national culinary and hospitality programs by learning career and employability skills and passing the tests for the ProStart National Certification. Fee.

EARLY CHILDHOOD DEVELOPMENT/SERVICES

260 RELATIONSHIPS - 9, 10, 11, 12 (1 Semester - .5 credit) This class is designed to help students build, maintain, and improve relationships with people, including peers, parents, teachers, and employers. Discussion topics include changes in their lives that affect them, self-esteem, values, decision-making and communication. Other topics will include consequences of decision making such as sexual behavior, alcohol and drug use, STD's, AIDS, date rape, abuse, suicide and handling and resolving conflict. Class experiences give students an opportunity to interact with each other and hear speakers on a variety of topics.

261 CHILD DEVELOPMENT - 9, 10, 11, 12 (1 Semester - .5 credit) Recommended for anyone who wants to work with children or eventually become a parent. This class will cover the development of children - birth to age 2. Pregnancy, prenatal development, labor, and physical, intellectual, emotional, and social development will be covered. Other focuses will include caring for infants and how to find quality child care. Pregnancy and parenthood simulations as well as field trips will be some of the activities included in this course.

265 FOUNDATIONS OF EARLY CHILDHOOD EDUCATION & ACCT -11, 12 (1 Semester - .5 credit) Prerequisite -Child Development 1 Introduces the student to the early childhood profession. Course competencies include: integrate strategies that support diversity and anti-bias perspectives; investigate the history of early childhood education; summarize types of early childhood education settings; identify the components of a quality early childhood education program; summarize responsibilities of early childhood education professionals; and explore early childhood curriculum models. If the student is 17 during the offering of the course and with 10 additional hours of observation they will qualify for an Assistant Child Care Teacher Certificate. This certificate allows you to be employed in a child care setting at age 17.

HEALTH SCIENCES

276 INTRODUCTION TO MEDICAL OCCUPATIONS -9, 10, 11, 12 (1 Semester- 50 credit) Introduction to Medical Careers is designed for students interested in exploring career options in a health-related field. The course offers an overview of a wide range of health occupations from entry level to post graduate careers. Students will gain background knowledge in career opportunities, medical terminology, and the skills and education needed to be successful in a health career. Students will learn from community health care professionals. This course is a prerequisite to the Medical Services Academy.

278 MEDICAL TERMINOLOGY - 11, 12 (1Semester - 0.50 Credit) This is a college level transcribed class. Medical Terminology focuses on the component parts of medical semesters: prefixes, suffixes and root words. The student will practice formation, analysis and reconstruction of terms. Emphasis will be placed on spelling, definition and pronunciation. There will also be introduction to operative, diagnostic, therapeutic and symptomatic terminology of all body systems, as well as systemic and surgical terminology. Students who pass this course with an 80% or better will earn transcribed credit at any technical college in Wisconsin.

HEALTH

275 HEALTH - 9, 10, 11, 12 (1 Semester - .5 credit) Graduation Requirement: To graduate from Rhinelander High School students must successfully complete the equivalent of either one semester of health in grade 8 or one semester of health in grades 9 through 12. Health education is the basic ingredient in a wellness lifestyle. This health education course is designed to help students develop positive skills for daily living and prepare for roles as adults. The course is divided into 10 inter-related topics including; personal health and fitness, mental and emotional health, social health and family life education, nutrition, substance use and abuse, prevention and control of disease, consumer and community health, safety and environmental health. Students who have met the graduation requirement in grades 7 or 8 may still elect health as an elective credit.

FOREIGN LANGUAGE

It is recommended that students complete at least two years of a language if a four-year college is a possibility after graduation. UW-Madison and UW-Eau Claire both require a minimum of two years of a single foreign language, with a grade of at least C, to apply. Students seeking admission to competitive universities and private schools should strongly consider four years of a foreign language.

200/201 GERMAN 1 - 9, 10, 11, 12 (2 Semesters - .5 credit per Sem) German 1 is designed to provide practice in all four basic language skills; listening, speaking, reading, and writing. Grammatical, vocabulary and cultural topics are included in classroom activities.

202/203 GERMAN 2 - 9, 10, 11, 12 (2 Semesters - .5 credit per Sem) Prerequisite: German 1 German 2 reinforces material taught in German 1 and continues the development of new language skills. Vocabulary is increased and new tenses and verb forms are introduced.

204/205 GERMAN 3 - 10, 11, 12 (2 Semesters - .5 credit per Semester) Prerequisite: German 2 German 3 reinforces material taught in German 1 and 2 and continues the development of more advanced language skills. By the end of German 3, students will have increased the content areas they can discuss.

239/240 GERMAN 4 - 10, 11, 12 (2 Semesters- .5 credit per Semester) Prerequisite: German 3. (U) German 4 is dedicated to the refinement and enrichment of the basic language skills taught in German 1, 2, and 3. Some units of German 4 and 5 are interchangeable. An increased emphasis will be put on speaking and comprehension while the class is primarily conducted in the target language.

241/242 GERMAN 5 - 10, 11, 12 (2 Semesters - .5 credit per Semester) Prerequisite: German 4. (U) German 5 is dedicated to the refinement and enrichment of basic language skills taught in previous levels. Some units of German 4 and 5 are interchangeable. By the end of German 5 students will carry out all the functions of German 4 and understand and produce blocks of well-developed discourse both in quantity and quality.

216/217 SPANISH 1 - 9, 10, 11, 12 (2 Semesters - .5 credit per Semester) Spanish 1 is designed to provide practice in all four basic language skills: listening, speaking, reading and writing. Grammatical, vocabulary, and cultural topics are included in classroom activities.

218/219 SPANISH 2 - 9, 10, 11, 12 (2 Semesters - .5 credit per Semester) Prerequisite: Spanish 1 Spanish 2 reinforces material taught in Spanish 1 and continues the development of new language skills. Vocabulary is increased and new tenses and verb forms are introduced.

220/221 SPANISH 3 - 10, 11, 12 (2 Semesters - .5 credit per Semester) Prerequisite: Spanish 2 Spanish 3 reinforces material taught in Spanish 1 and 2 and continues the development of more advanced language skills. By the end of Spanish 3, students will have increased the content areas they can discuss.

235/236 SPANISH 4 - 10, 11, 12 (2 Semesters - .5 credit per Semester) Prerequisite: Spanish 3. (U) Spanish 4 is dedicated to the refinement and enrichment of the basic language skills taught in Spanish 1, 2 and 3. An increased emphasis will be put on speaking, reading comprehension and writing while the class is primarily conducted in the target language

237/238 SPANISH 5 - 10, 11, 12 (2 Semesters - .5 credit per Semester) Prerequisite: Spanish 4 (U) Spanish 5 is dedicated to the refinement and enrichment of basic language skills taught in previous levels. Emphasis is placed on application of the target language.

MATHEMATICS

Graduation Requirements: Two credits of mathematics which incorporate instruction in the properties, processes and symbols of arithmetic and elements of algebra, geometry and statistics.

Required course sequence:

Option 1: Algebra 1, Geometry or Algebra 2

Option 2: **9th grade** - Integrated Math 1a/b, **10th grade** - Integrated Math 2a/b

(Students who receive credit for Algebra, Geometry or other math courses while in middle school must earn 2.0 additional math credits in grades 9-12)

Integrated Math 1, 2 and 3 are a series of math courses that are taught from an applied perspective. The content includes algebra, geometry and statistics and probability. Students who pass Integrated Math 1 a/b and Integrated Math 2 a/b will have completed their high school math graduation requirement. The Integrated Math series is appropriate for students who are not ready to benefit from the traditional, theoretical Algebra 1 course. Students who complete Integrated Math 1 & 2 and want to enter a four year college will take Integrated Math 3 a/b as a transitional math course their junior year and Algebra II their senior year.

The Math Department recommends the following courses:

Planning to attend Four Year College/University:

Algebra 1a and 1b

Geometry a and b

Algebra 2 and b

Statistics a and b (U) (AP)

Pre-Calculus a and b and c (U) (AP)

Calculus a and b (U) (AP)

Students planning to enroll directly to a four year university must take Algebra 2.

Planning to attend Technical College:

Integrated Math 1a/b

Integrated Math 2a/b

Integrated Math 3a/b

Or Algebra 1a/b and Geometry

Students should prepare for the future now by including a well-planned mathematics curriculum in their high school education. Virtually all post-secondary choices require mathematics. Whether students choose to enter the work force directly out of high school, complete an apprenticeship or military duty, attend a technical school, or enroll in a university program, a solid mathematics background will positively affect their future. Students considering application to a competitive college should note that four credits of mathematics would make them a stronger candidate for admission. Many college majors will require college level mathematics so the more high school math a student has taken, the better prepared they will be to meet the college's requirements.

500/501 GENERAL MATHEMATICS - 9 (2 semesters - .5 credit per Semester) Prerequisite: Recommendation from Math department. This course offers a review of arithmetic and computational skills combined with applications and problem solving. It would be an elective for students who are deficient in basic skills when leaving 8th grade. It does not meet the algebra and geometry requirements for graduation.

524/525 INTEGRATED MATH 1 a/b - 9, 10, 11, 12 (2 Semesters - .5 credit per Semester) Prerequisite: Recommendation from Math Department. Integrated Math I is the first two semesters of the Integrated Math Series that are taught from an applied perspective. Students who pass four consecutive semesters will have completed their high school math graduation requirement. The content includes algebra, geometry, statistics and probability. The Integrated Math series is appropriate for students who are not ready to benefit from the traditional, theoretical Algebra 1 course. Students who complete Integrated Math 1 A/B and Integrated Math 2 a/b and want to enter a four year college can take a transition math course their junior year, beginning in the 2011-12 school year, which will prepare them for Algebra 2 their senior year.

526/527 INTEGRATED MATH 2 a/b - 10, 11, 12 (2 semesters-- .5 credit per Semester) Prerequisite: Integrated Math 1a/b or Recommendation from Math Department. Integrated Math II is the second two semesters of the Integrated Series that are taught from an applied perspective. Students who pass all four semesters will have completed their high school math graduation requirement. The content includes algebra, geometry, statistics and probability. The Integrated Math series is appropriate for students who are not ready to benefit from the traditional, theoretical Algebra 1 course. Students who complete Integrated Math 1 a/b and Integrated Math 2 a/b and want to enter a four year college can take a transition math course their junior year, beginning in the 2011-12 school year, which will prepare them for Algebra 2 their senior year.

528/529 INTEGRATED MATH 3 a/b - 11, 12 (2 semesters-- .5 credit per Semester) Prerequisite: Algebra Concepts (2 semesters) and Integrated Math 2 or Algebra 1 (2 semesters) and Geometry. Recommendation from Math Department. This is the 3rd class in the Integrated Math series. Students who are considering a 4 year or 2 year post secondary school can take this class to help prepare for Algebra 2. The content includes algebra, geometry, statistics, probability and an introduction to Algebra 2. This class transitions students into a traditional classroom setting to help prepare for a post secondary education.

504/505 ALGEBRA 1 a/b - 9, 10, 11, 12 (2 Semesters - .5 credit per Semester) *Required for college entrance.* Prerequisite: Placement from 8th grade. Algebra 1 is a course that encompasses the Wisconsin State Standards for Mathematics. The course is designed for the student who intends to take geometry and may eventually pursue post secondary education. The student in Algebra 1 should have mastered arithmetic skills. Topics include: sets and operations of real numbers, properties of these operations, polynomials, exponents, roots and radicals, 1st and 2nd degree equations and inequalities in one variable, functions and graphs, and systems of equations.

506/507 GEOMETRY a/b - 9, 10, 11, 12 (2 Semesters - .5 credit per Semester) *Required for college entrance.* Prerequisite: Algebra. Geometry is the second course in the college preparatory mathematics sequence and strengthens the mathematical background of the technical school oriented student. The course objectives include developing an understanding of the nature of the mathematical system with a particular understanding of the basic structure of geometry, of three-dimensional concepts, of inductive and deductive reasoning in both mathematical and nonmathematical situations, of coordinate geometry and the relationships between algebra and geometry, and an appreciation of the need for clarity and precision of language.

511/512 ALGEBRA 2 a/b- 9, 10, 11, 12 (2 Semesters - .5 credit per Semester) *Required for college entrance.* Prerequisite: Geometry. Algebra 2 is the third course in the college preparatory mathematics sequence. It consists of a thorough study of algebra and an introduction to trigonometry. Emphasis on the structure of algebra is combined with systematic instruction in the techniques of algebra. Major concepts are: properties of the real number system, algebraic expressions, equations and inequalities, functions and graphs, polynomial and rational functions, exponential and logarithmic functions, matrices, sequences, series, and systems of equations. It is recommended that students have a "C" or better average in both Algebra 1 and Geometry.

518/519 STATISTICS a/b - 10, 11, 12 (2 Semesters - .5 credit per Semester) (U) (AP) Prerequisite: Algebra 2 This course provides an introduction to the study of probability and statistics. Topics addressed include the nature of statistics, techniques in sampling and collecting numerical information, and analysis of data to make meaningful decisions in science and research fields of study. Students may use this course to prepare for the AP Statistics Exam; however, they should enroll in the fall semester of the school year preceding the May administration date of the AP Exam. It is recommended that students have a "C" or better in their previous math course.

520/521 PRE-CALCULUS a/b - 10, 11, 12 (2 Semesters - .5 credit per Semester) (U) Prerequisite: Algebra 2 with "B" or better. This course expands on previously learned algebraic processes and thoroughly covers the study of functions and trigonometry. It includes the concepts of the infinite and continuous as part of introductory calculus, as well as the finite and iterative concepts of discrete mathematics. Specific topics include: properties of the real number system, algebraic expressions, equations and inequalities, functions and graphs, polynomial, rational, exponential, logarithmic, and all trigonometric functions and their inverses, solving triangles, trigonometric identities, sequences, series, probability, complex numbers, polar curves, and vectors.

516/517 CALCULUS - 10, 11, 12 (2 Semesters - .5 credit per Semester) (U)(AP) Prerequisite: Pre-Calculus with "B" or better. This course covers the curriculum content of the first semester of a college calculus course. The objectives as stated match the most current description published by the College Board, which administers the Advanced Placement Exam. Topics include: limits and continuity, derivatives, applications of derivatives, the definite integral, differential equations and mathematical modeling, and applications of definite integrals. The last 4 weeks preview second semester calculus topics such as integration by parts and partial fractions, indefinite integrals, and applications of integration including volume, density, forms, and work.

MUSIC

602/603 CONCERT BAND - 9-12 (2 Semesters - .5 credits/semester) Prerequisite: Prior band participation or director's consent. Open to students in grades 9-12. It is expected that the students in this class have mastered the basic fundamentals of music. Students will have most, if not all, of their major scales memorized. This band will perform at all concert events, large group festival or clinic and an occasional tour. The Concert Band will be joined by the Wind Ensemble for all performances. Students will be financially responsible for a music lyre, flip folder and windows, as well as any damage to school-owned instruments. All incoming freshmen should register for Concert Band rather than Wind Ensemble, unless there are course conflicts. Students in grades 10-12 may register for either Concert Band or Wind Ensemble.

650/651 WIND ENSEMBLE - 10-12 (2 Semesters - (.5 credits/semester) Prerequisite: Concert Band or director's consent. Open to students in grades 10-12. This ensemble performs at a higher level than that of the Concert Band and therefore it is expected that the students in this class have mastered the basic fundamentals of music. Students will have most, if not all, of their major scales memorized. This band will perform at all concert events, large group festival or clinic and an occasional tour. The Wind Ensemble will be joined by the Concert Band for all performances. Students will be financially responsible for a music lyre, flip folder and windows, as well as damage to school owned instruments. Students in grades 10-12 may register for either Concert Band or Wind Ensemble.

621/622 CONCERT CHORUS - 9-12 (2 semesters - .50 credits/semester) Concert Chorus is open to any student interested in beginning or continuing vocal music participation. This group meets daily. Class sessions are devoted to developing individual vocal techniques and studying and rehearsing music of all styles. The Concert Choir will perform at all concert events, large group festival or clinic and an occasional tour. Programs for community groups may also be scheduled. Any student may choose to participate as a soloist or as a member of an ensemble in the District Solo-Ensemble Festival. Students will be financially responsible for any damage to school owned choir uniforms/costumes.

614/615 SHOW CHOIR - 10-12 (2 semesters - .50 credits/semester) Prerequisite: Permission of Instructor and 2 semesters of Concert Chorus. Show Choir is open to students in grades 10-12 by audition and the director's consent. This group meets daily. Class sessions are devoted to mastering vocal and dance techniques while performing music more in the "pop" style. The director may schedule extra rehearsals for choreography outside of school hours with advanced notice. The Show Choir will perform at all concert events, large group festival or clinic and an occasional tour. Programs for community groups may also be scheduled. Any student may choose to participate as a soloist or as a member of an ensemble in the District Solo-Ensemble Festival. Students will be financially responsible for any damage to school owned choir uniforms/costumes. Students must take both semesters.

PHYSICAL EDUCATION

All students must complete 1.5 credits of Physical Education instruction for graduation. Students earn these credits by taking 709 and 710 and one additional elective physical education course. Juniors and seniors also have the opportunity to earn additional physical education credits by selecting additional courses. Juniors and seniors are limited to two P.E. classes per year.

709 PHYSICAL EDUCATION - 9 (1 Semester - .5 credit) Freshman Physical Education class offers the student an opportunity to participate in a variety of team and individual sports, aquatics, fitness and lifetime/recreation activities. Students will have the opportunity to explore and experience a wide variety of activities, learn new skills and increase their knowledge of team strategy and concepts. Aquatics will be introduced for the first time, emphasizing water safety and stroke work. Some water games may also be introduced. This class will encourage students to find a personal fitness activity and continue to participate in that activity throughout the year.

710 PHYSICAL EDUCATION - 10 (1 Semester - .5 credit) Sophomore Physical Education class offers the student an opportunity to participate in a variety of activities with an emphasis on weight training, aerobic fitness, badminton, volleyball, American Red Cross; Guard Start and water games. Students will continue to learn more advanced team strategies, team rules, individual and team skills, knowledge of lifts and safety in the weight room and swimming pool. Other activities may be included at the discretion of the instructor, interest of students, and availability of facilities. This class will continue to encourage the students to participate in physical activity throughout the year, choosing some activity of interest to them personally.

725 OUTDOOR ACTIVITIES - 11/12 (1 Semester - .5 credit) Prerequisites: Successful completion of 1.0 credits of physical education. The Outdoor Activities class offers the student an opportunity to enjoy physical activity through a variety of outdoor and indoor activities that may include: Football, speedball, soccer, tennis, volleyball, water polo, golf, slow pitch softball, broomball, ice skating, snow shoeing, cross county skiing and a variety of winter games and activities. Other activities may be included based on the availability of equipment, facilities and weather. Class emphasis will be on increasing individual and team skills, exploring a variety of game strategies, and encouraging physical fitness through sport. Students will be required to dress appropriately for the cold weather and may be charge a fee for equipment rental and transportation. A downhill skiing field trip may also be included, charging a fee for equipment rental, transportation and lift ticket. Fee.

727 AEROBIC FITNESS - 11/12 (1 Semester - .5 credit) Prerequisites: Successful completion of 1.0 credits of physical education. The Aerobic Fitness class offers the student an opportunity to become physically fit through a variety of aerobic activities, which may include: running, swimming, walking, aerobics, water aerobics and biking. Other non-aerobic activities such as, Yoga, Pilates and strength training may also be included. Emphasis in this class will be on being active each day in class and also increasing cardiovascular endurance, muscular strength and endurance, and on enjoying lifelong aerobic activities. A daily log and journal will be required by all students, reporting daily activity and target heart rates. This assessment will help the student see progress in personal fitness.

728 INDOOR ACTIVITIES - 11/12 (1 Semester - .5 credit) Prerequisites: Successful completion of 1.0 credits of physical education. The Indoor Activities class offers the student an opportunity to enjoy physical activity through a variety of activities that will include: water polo, badminton, volleyball, basketball and strength training. Other activities may be included based on the availability of facilities. Class emphasis will be on increasing individual and team skills, exploring a variety of game strategies, and encouraging physical fitness through sport. Strength training will be scheduled throughout the semester to help increase overall muscular strength and endurance, and to increase the student's knowledge of lifts.

730 OUTDOOR ADVENTURE - 11/12 (1 Semester - .5 credit) Prerequisites: Successful completion of 1.0 credit of physical education. The Outdoor Adventure Course will offer students an opportunity to study, learn and participate in a variety of lifetime outdoor recreational activities geared towards living in Northern Wisconsin. This class may include hiking, biking, CAVOC ropes' course, camping, canoeing, kayaking, outdoor survival skills and orienteering. Emphasis will be placed on experiencing these units in a safe and positive environment: both as an individual and with peers. Fee.

735 LIFEGUARD TRAINING - 11/12 (1 Semester - .5 credit) Prerequisites: Completion of Guard Start during Sophomore PE and the successful completion of 1.0 credits of physical education. Lifeguard Training is an advanced physical education class, which offers the student an opportunity to become a certified lifeguard. This class also certifies the student in Cardiopulmonary Resuscitation for the Professional Rescuer, AED and in Community First Aid and Safety, all of which are required for lifeguard certification. All students must be able to pass the swimming pretest which requires students to swim 300 yards non-stop in 12 minutes or less (the 300 will include 100 yards of breaststroke, and 200 yard front crawl stroke), recover a diving brick from the deepest part of the pool. In addition, an American Red Cross fee (see fee reference sheet) must be paid. This fee is for the purchase of manuals, a pocket mask, a whistle and lanyard.

739 MULTI-CULTURAL/INTERNATIONAL ACTIVITIES - 11/12 (1 Semester - .5 credit) Prerequisites: Successful completion of 1.0 credits of physical education. The Multi-Cultural/International Activities class offers the student an opportunity to study, learn and participate in multi-cultural activities from around the world. This class may include such games and activities as rugby, lacrosse, cricket, bukka, squash, tennis, bocce ball, team handball and field hockey. Students will be required to wear safety equipment for some activities. Other International Activities may be included based on the availability of equipment and facilities. Class emphasis will be on participating in new games, learning about new cultures and gaining an appreciation of the diverse world that surrounds us.

791 TOTAL FITNESS TRAINING 1 - 11/12 (1 Semester - .5 credit) Prerequisites: Successful completion of the required 1 credit of physical education. Total Fitness Training 1 provides the student with an extended opportunity for practical physical application of the fundamentals of weight training. This class will (cognitively) reinforce and expand the student's knowledge base of safe, efficient, and effective techniques and strategies of weight training, (physically) improve the student's physical appearance, develop increased potential for physical performance, and decrease the likelihood of injury, and (affectively) create confidence and aspiration, and establish positive lifelong habits that will result in the student living a longer, happier, and more productive life. All of these goals will be reinforced through confidential pre and post testing of body weight, body composition, and upper body and lower body strength levels; some personalization may be used or needed for each student.

792 TOTAL FITNESS TRAINING 2 - 11/12 (1 Semester - .5 credit) Prerequisites: Successful completion of Weight Training/Conditioning 1 or Total Fitness Training 1. Total Fitness Training 2 provides the student with an extended opportunity for practical physical application of the fundamentals of weight training. This class will (cognitively) reinforce and expand the student's knowledge base of safe, efficient, and effective techniques and strategies of weight training, (physically) improve the student's physical appearance, develop increased potential for physical performance, and decrease the likelihood of injury, and (affectively) create confidence and aspiration, and establish positive life long habits that will result in the student living a longer, happier, and more productive life. All of these generalized goals will be reinforced through the personalization of the workout program to meeting the specific goals of each individual.

SCIENCE

Graduation Requirements: Two and one half credits of science which incorporate instruction in the biological sciences and physical sciences.

A. For grades 9, 10 and 11, the following course sequence options are recommended for students who intend to enroll in a four year university after high school: Physical Science, Biology, and Chemistry. It is recommended that students complete Biology before taking Chemistry.

B. For grades 9 and 10, the following course sequence is recommended for students who have earned C or less in science classes in the middle grades and do not plan to enroll in a four year university after high school: Grade 9 - Science 9, Grade 10 - Science 10.

Students should be aware that Science 9 & 10 may not meet 4 year college or university admission requirements.

Students who are considering four-year colleges must take a minimum of three credits of laboratory science*. Laboratory science classes are identified with an asterisk*.

The Science Department recommends the following courses for:

FOUR YEAR COLLEGE/UNIV

Physical Science*
Earth Science
Environmental Science
Biology* 1 and 2
Chemistry* a/b
AP Biology* a/ b (U) (AP)
AP Chemistry* a/b (U) (AP)
Physics* a/b (U)
Vertebrate Biology* 1 (U)
Vertebrate Biology* 2 (U)

TECHNICAL COLLEGE

Physical Science *
Earth Science
Environmental Science
Biology* 1 and 2
Science 9 *
Science 10 *

830/831 SCIENCE 9 a/b - PHYSICAL EMPHASIS*: - 9, 10, 11, 12 (2 semesters - .5 credit/semester) Students who pass this course and Science 10 Biology Emphasis will have met the state graduation requirements for coursework in physical science and biology and covered the state standards for grades 9 and 10. This course and the Science 10 Biology Emphasis course have been designed to be appropriate for students who are not yet ready to benefit from the traditional, theoretical science courses. Fee.

832/833 SCIENCE 10 a/b- Biological emphasis*: - 10, 11, 12 (2 Semesters - .5 credit/semester) Students who pass this course and Science 9 Physical Science Emphasis will have met the state graduation requirements for coursework in physical science and biology and covered the state standards for grades 9 and 10. This course and the Science 9 Physical Science Emphasis course have been designed to be appropriate for students who are not yet ready to benefit from the traditional, theoretical science courses. Fee.

801 EARTH SCIENCE 1 - 9, 10, 11, 12 (1 Semester - .5 credit) This course looks at the origin of the earth and forces in motion. The course also deals with the variety of energy forms, weather, climate, light and sound, astronomy, as well as the human impact on earth. Fee.

805 ENVIRONMENTAL SCIENCE 1 - 9, 10, 11, 12 (1 Semester - .5 credit) This course introduces the students to the principals of ecology and ecosystem management integrating the study of forests, grasslands, water resources, mammals, birds, and fishes. Students will also learn the basics of environmental research enabling them to conduct research-using bioindicators to detect environmental degradation and initiate community action. Fee.

800 PHYSICAL SCIENCE 1* - 9, 10, 11, 12 (1 Semester - .5 credit) This course is required for graduation unless a waiver has been granted from the RHS principal. This course offers an introduction to the physical sciences of chemistry and Physics. From the chemistry standpoint, the student learns about the atom and its composition, the bonds that hold compounds together and the types of reactions that chemicals can undergo. From the physics standpoint, students are introduced to motion and forces. Fee.

804 BIOLOGY 1* - 9, 10, 11, 12 (1 Semester - .5 credit) This course is required for graduation. (Unless you meet the requirement by taking Science 9 & 10.) It is designed as an introductory course for the life sciences. The course involves topics including scientific method, tools of science, cell structure and function, cell energy, the molecular basis of heredity, biological evolution, and classification. Fee.

828 BIOLOGY 2* - 9, 10, 11, 12 (1 Semester - .5 credit) Prerequisite: Biology 1 This course is required for graduation. (Unless you meet the requirement by taking Integrated Science 1 and 2.) Biology 2 goes into more depth in content and is also involved in more in-depth experimentation. It involves the study of plants and animals and places more emphasis on the human body. This course is a prerequisite for AP Biology, Bio Research and Botany. Fee.

810/811 CHEMISTRY* - 10, 11, 12 (2 Semesters - .5 credit per Semester) Prerequisites: Physical Science 1, Algebra 1 with a grade of C or better or consent of instructor. Chemistry is the study of the composition of matter and matter's properties. The course begins with the tools used by the chemist. Further study involves the variety of reactions that matter undergoes. It then looks at the structure of the atom and the theoretical relationship that develops based on this structure. It finishes off with the bonding of matter, which leads to the different types of compounds. It attempts to apply the mathematical concepts that were learned in algebra. Fee.

812 INTRODUCTION TO ANALYTICAL CHEMISTRY*-11, 12 (1 Semester - .5 credit) (U) Prerequisite: AP Chemistry with a grade of B or better or consent of instructor. Analytical chemistry is made up of qualitative analysis and quantitative analysis. Both analyses stress the importance of careful laboratory procedures. Qualitative analysis involves the **analysis** of metallic and nonmetallic ions present in matter and Quantitative analysis determines the quantity of material present in a sample to be analyzed. Instrumentation is an important part of the course. Recommended for those students going to college and who plan to major in some sort of science. **This course will be offered every other year, being taught again during 2012-13.** Fee.

813 INTRODUCTION TO ORGANIC CHEMISTRY* - 11, 12 (1 Semester- .5 credit) (U) Prerequisite: General Chemistry with a grade of B or better or consent of instructor, AP Chemistry highly recommended Organic chemistry involves the study of the chemistry of carbon and the compounds related to carbon. Course content involves the determination and nomenclature of organic compounds, reaction mechanisms and to utilize the lab as a means of studying the reactions that eventually lead to the synthesis of many organic compounds. Since organic chemistry impinges on our daily lives, more than any other science, it is a science that places great emphasis on people and their environment. The course is recommended for those people who plan on going into medicine, veterinary medicine, pharmacy and any other allied health field. **This course will be offered every other year, being taught again during 2011-2012.** Fee.

816/817 PHYSICS* - 11, 12 (2 Semesters - .5 credit per semester) (U) Prerequisite: Algebra 2 with a grade of B or better or consent of instructor, Physical Science 1 Physics is the study of the interactions of matter and energy. Students are introduced to fundamental concepts in the areas of mechanics, light, sound, electricity, and magnetism, and nuclear phenomena. The acquisition of information is by using the senses and instrumentation. Student investigations emphasize accurate observations, collection of data, analysis of data, and the safe manipulation of laboratory apparatus and materials. Applications of physics to engineering, medicine, biology, and many other fields - are interesting and can be understood by someone who understands the underlying principles of physics. Fee.

821 VERTEBRATE BIOLOGY 1* - 11, 12 (1 Semester - .5 credit) (U) Prerequisite: Biology 2 with a grade of B or better or consent of instructor. Vertebrate biology is a course designed for students desiring a deeper understanding of animals with backbones and their unique position in the animal world. The course involves a comparative study of vertebrate types and how vertebrates are adapted to the wide variety of environments on earth. This course will include both lecture sessions and laboratory dissections. Both oral and written exams are given to measure comprehension and progress. This includes an in-depth dissection of the dogfish shark. Fee.

822/823 AP CHEMISTRY* - 11, 12 (2 Semesters - .5 credit per Semester) (U) (AP) Prerequisite: General Chemistry with a grade of B or better or consent of instructor. The content of this course takes over where the general chemistry leaves off. Kinetics, Solutions, Gas Laws, Chemical Equilibrium, Electrochemistry, Thermochemistry and Nuclear chemistry are covered. It is the second year of a two-year sequence equivalent to a full year of college chemistry and gives the student enough material to enable them to take the AP exam given in the spring. Passing the AP exam allows the student to receive college credit depending on score on exam. Fee.

824/825 AP BIOLOGY (Molecular Approach)* 10, 11, 12, (2 Semesters - .5 credit per Semester) (U) (AP) Prerequisite: Biology 2 & General Chemistry with grades of B or better or consent of instructor. AP Biology continues the study of the basic principles and concepts addressed in Biology 2. Semester1 stresses the cell and its processes at the molecular level. Semester2 includes the study of the systems of the human body and compares them to the systems of other animal groups. Semester3 stresses genetics, evolution, and animal behavior. The course will assist students preparing to take the AP Biology test. Passing the AP exam allows the student to receive college credit depending on score on exam. Fee: Fee. Tentative College in the Schools Course = 3 credits in Human Biology at any UW school.

826 VERTEBRATE BIOLOGY 2* - 11, 12 (1 Semester - .5 credit) (U) Prerequisite: Vertebrate Biology 1. Vertebrate Biology 2 is a continuation of Vertebrate Biology 1. Recommended for any student planning on entering an allied health field such as medicine, veterinary medicine, or zoology. The areas of study in the course would be mineralized tissues, muscles, nervous system, respiratory system and the digestive system. Oral and written exams are given to measure comprehension and progress. This includes an in-depth dissection of the fetal pig. Fee.

SOCIAL STUDIES

Graduation Requirements: Three and one half credits of social studies are required for graduation. This includes one credit of Global Studies or Accelerated Global Studies in 9th grade and one credit of U.S. History. The U.S. History requirement can be met by completion of U.S. History or by taking both AP Early American History and AP Modern American History.

Rather than taking U.S. History, college bound students may elect to take the weighted alternatives, AP Early American History and AP Modern American History. For those students who are considering the AP Early American History/AP Modern American History sequence, the Social Studies Department recommends taking the AP Early American History course first.

The Social Studies Department recommends the following courses for:

FOUR YEAR COLLEGE/UNIV

Accelerated Global Studies
Comparative Religions
AP Early American History (u)
AP Modern American History (u)
AP Early European History (u)
AP Modern European History (u)
AP Political Science (u)
Comparative Religions
Contemporary Global Issues
Economics
Greek and Roman History (u)
Psychology
Sociology

TECHNICAL COLLEGE

Global Studies
US History
Comparative Religions
Contemporary Global Issues
Economics
Geography of Wisconsin
Problems of Democracy
Psychology
Sociology

928/929 GLOBAL STUDIES a/b - 9 (2 Semesters - .5 credit per Semester) Global Studies familiarizes students with the locations, landforms, climates, and natural resources of each of the world's major geographic regions. It also explores the history and culture of each region, the political and economic systems in place, and the roles of the various regions in world affairs.

941/942 ACCELERATED GLOBAL STUDIES a/b - 9 (2 Semesters - .5 credit per semester) This course is offered to those students who seek additional academic challenges and wish to prepare for a more rigorous course of study within the social studies curriculum. This course will offer an in-depth study of the locations, landforms, climate, and natural resources of each of the world's major geographic regions. Students will also make a thorough examination of the history and culture of each region with an emphasis on understanding the major issues of today. An emphasis on critical thinking skills and writing will be employed in this class. This course is highly recommended for those students looking to continue on with the AP and value added classes offered within the social studies curriculum.

904/905 US HISTORY SURVEY a/b - 10 (2 Semesters - .5 credit per Semester) U.S. History Survey studies the development of the democratic process from the colonial period to present. Political, social, economic, geographic, and cultural perspectives are examined.

907 AP EARLY AMERICAN HISTORY - 11, 12 (1 Semesters - 1.0 credit per semester) (U) (AP) Prerequisite: Global Studies (two semesters) Early American History focuses on the political, social, and economic, and cultural development of our nation, from the colonial period through the Civil War and Reconstruction. The course examines the major events of this time period and the contributions of various ethnic groups. It offers students the opportunity to investigate, discuss, and interpret the important concepts of American history in greater depth than is done in the U.S. History Survey course. This class, in combination with Modern American History, is designed to prepare students for the AP exam in American History.

919 AP MODERN AMERICAN HISTORY - 11, 12, (1 Semester - 1.0 credit per Semester) (U)(AP) Prerequisite: Global Studies (two semesters) Modern American History is a continuation of Early American History, with primary emphasis on the events of the twentieth century. The course includes a study of the Industrial Age and the roots of Progressivism, the rise of the United States to world power, world war, and international relations in the post-war era. Civil rights issues, environmental concerns, domestic and foreign policy alternatives are discussed. This class, in combination with Early American History, is designed to prepare students for the AP exam in American History.

936 AP EARLY EUROPEAN HISTORY - 10, 11, 12 (1 semester - .5 credit) (U) (AP) Prerequisite: Global Studies (two semesters) This college-level course offers an in-depth study of the development and influence of European history in the modern era. Topics will include the Renaissance, the Reformation and Counter Reformation, religious wars of Europe, state building, absolutism, science and the Enlightenment, and the French Revolution. In order to prepare students to take the AP exam, each period studied will address the themes of intellectual and cultural history, political and diplomatic history, and social and economic history. Units will also draw from a list of primary and secondary sources to supplement the textbook. Students will also be introduced to the process of historical analysis writing. Early European History, in conjunction with Modern European History, prepares students for the AP exam in European History.

937 AP MODERN EUROPEAN HISTORY - 10, 11, 12 (1 Semester - .5 Credit)(U) (AP) Prerequisite: Early European History Modern European History is an in-depth study of the development and influence of European history from 1814 to the present. Taught to AP standards and performance levels, topics of study include: the Industrial Revolution, Reaction and Revolution in the early 19th century, an Age of State Building and Crisis in Europe, Imperialism, World War I and the Russian Revolution, A Search for Stability and World War II, the Cold War Era, The Collapse of the USSR and Global Challenges. Modern European History will continue addressing the six themes studied in Early European History. Students will practice historical analysis writing in preparation for the AP European History exam.

924 AP POLITICAL SCIENCE - 11, 12 (1 Semester -- .5 credit) (U)(AP) Prerequisite: Global Studies (two semesters) Political Science focuses on the rights and responsibilities of citizenship in a democratic society. Students will explore the operation of government at the federal, state, and local levels. They will learn about the function of the legislative, executive, and judicial branches of government, the role of special interest groups, political party organization, and the importance of public opinion. This course is designed to prepare students for the AP exam in Political Science.

910 PROBLEMS OF DEMOCRACY - 11, 12 (1 Semester - .5 credit) In this class, students are introduced to the framework of American government and the decision-making process. This process is applied to current social, economic, and political concerns such as poverty, sexism, crime, pollution, budget and trade deficits, and world affairs.

938 CONTEMPORARY GLOBAL ISSUES - 11, 12 (1 semester - .5 credit) Contemporary Global Issues focuses on the United States and its relationship with the rest of the world. Though time will be spent on the history of global interaction, special emphasis will be given to current international issues and global interdependence. Potential topics include a comparison of political and economic systems, the United Nations, world trade, environmental issues, human rights, and global conflict and resolution. This class will be research and discussion based.

914 ECONOMICS -11, 12 (1 Semester - .5 credit) Economics expands upon the fundamental economic concepts introduced in *Global Studies* and *American Studies*. Students are introduced to basic economic principles and alternative economic systems. They learn about business organizations, the labor market, banking and finance, international trade, and the growing interdependence of the global economy. The need for government intervention in a free enterprise system is explored and the merits of various economic policy alternatives are debated.

915 GREEK AND ROMAN HISTORY - 11, 12 (1 Semester -- .5 credit) (U) Greek and Roman History is a study of the "classic" ancient civilizations. Emphasis is placed on the historical transition of power through Egypt, the Near East, classical Greece, and Rome. The purpose of this course is to study the foundations of western civilization and relate them to the modern world. Although mythology may be addressed, this is not a mythology class.

920 PSYCHOLOGY - 11, 12 (1 Semester -- .5 credit) Everyday behavior is far more complex and interesting than most people imagine. In this course, students may learn to answer some of the questions they have about themselves and other people. The theories of leading psychologists are discussed in conjunction with units on learning and cognitive processes, the working of mind and body, life span, personality and individuality, and adjustment and breakdown of human relationships.

921 SOCIOLOGY -, 11, 12 (1 Semester -- .5 credit) Sociology introduces the student to the methods used by specialists in the field to solve social problems. The course involves the study of social institutions, their traditions, purposes, and complexities. Units include heredity and environment, social behavior, culture, social relationships, racial dynamics, and mass communication. Current periodicals and films are source materials.

934 COMPARATIVE RELIGIONS - 10, 11, 12 (1 semester - .5 credit) This course will survey the major religions of the world, with emphasis on developing the student's personal understanding and acceptance. Students will analyze and compare the origins of each faith, prophets and founders, rites of birth and death, and beliefs about the afterlife, nature and deities. Major religious festivals and venerated art, music, and literature will also be examined. Comparative Religions is an elective course open to students of all grade levels.

918 MODERN REVOLUTIONS - 11, 12 (1 Semester - .5 credit) This is a class designed to study the process of change. An assumption underlying the course is the need to seek flexibility in dealing with social, economic, and political problems and to avoid the ultimate breakdown that is typically called "revolution". The causes of revolutions, patterns of development, consequences, and impacts will be considered. Units of study may include: the French Revolution, the Russian Revolution, and the Iranian Revolution, as well as contemporary issues and alternatives to violence.

913 GEOGRAPHY OF WISCONSIN - 11, 12 (1 Semester - .5 credit) Geography of Wisconsin expands upon the major themes of geography presented in *Global Studies*. The course deals with Wisconsin's climates, natural resources, soils, topography, agriculture, and origins of population. It is a social studies elective available to juniors and seniors who are interested in learning more about our state.

TECHNOLOGY AND ENGINEERING

- Power Mechanics 1 & 2 are prerequisites for Automotive Systems 1
- Engineering Materials is a prerequisite for most courses in the Manufacturing Cluster.
- Some courses in Technology and Engineering have a required fee; others have a basic materials cost.

Transcripted Credit Courses with Nicolet Area Technical College.

The Technology and Engineering Department has created agreements with Nicolet Technical College to offer Wisconsin Technical College credit along with high school credit in some courses. Students that take and complete the course at a required standard can receive both high school and Nicolet Technical College credit.

| High School Class | High School Credit | Equals | Nicolet Class | Nicolet Credit |
|--|--------------------|--------|---|----------------|
| Welding Technology | 0.5 | Equals | Shielded Metal Arc Welding | 3 |
| Automotive Systems 1 | 0.5 | Equals | Automotive Service Orientation | 3 |
| Blue Print Reading & Construction Estimating | 1.0 | Equals | Blue Print Reading Construction Estimating | 3 2 |

Technology and Engineering Clusters

Transportation Clusters

| Automotives | |
|-------------|--|
| Grade | Class |
| 9 | Power Mechanics 1, Engineering Materials, Mechanical CAD Design, Introduction to Electronics |
| 10 | Power Mechanics 2, Intro to Electronics, Metal Processes, Automotive Systems 1 |
| 11 | Automotive Systems 1 or Automotive Systems 2, Welding Technology, Consumer Auto, Electronic Communications |
| 12 | Automotive Systems 2, Mechanical CAD Design, Consumer Auto, Electronic Communications, Digital Electronics |

Construction Cluster

| Grade | Class |
|-------|---|
| 9 | Engineering Materials, Woods 1 |
| 10 | Woods Technology 1 or 2, Mechanical CAD Design, Architectural CAD Design 1 |
| 11 | Architectural CAD Design 2, Light Construction Methods, Advanced Woods |
| 12 | Architectural CAD Design 3, Residential Construction, Blue Print Reading/Estimating, Advanced Woods |

Manufacturing Cluster

| Grade | Class |
|-------|---|
| 9 | Engineering Materials, Woods 1, Exploring Graphic Arts, Exploring Photography |
| 10 | Woods Technology 2, Metal Process, Machine Tool Technology 1, Welding Technology, Mechanical CAD Design, Architectural CAD Design 1, Exploring Graphic Arts |
| 11 | Machine Tool 2, Advanced Woods, Architectural CAD Design 2, Graphic Arts Technology |
| 12 | Machine Tool Technology 2, Architectural CAD Design 3, Blue Print Reading and Estimating |

400 ENGINEERING MATERIALS - 9, 10, 11, 12 (1 semester - .5 credit) Fee: Check the fee insert sheet. This is an exploratory course designed to familiarize the student with the proper procedures in the operation, care and safe usage of lab equipment along with an introduction to manufacturing equipment in wood technology and metal technology. The use of wood, plastic, metals, concrete and other materials is introduced to help students understand technology's role in preparing a product. This course is recommended for freshmen and sophomores so that advanced courses will be open to them in the junior and senior year.

401 WOODS TECHNOLOGY 1 - 9, 10, 11, 12 (1 Semester - .5 credit) Prerequisite: Engineering Materials (Fee) This introductory level course applies modern technology to the efficient processing of our important renewable resource, wood. Students will explore careers, and examine new techniques and methods, while safely constructing a project.

402 WOODS TECHNOLOGY 2 - 10, 11, 12 (1 Semester -- .5 credit) Prerequisite: Woods 1 (Fee) This intermediate level course is designed to further enhance the level of skill development in Woods 1. Students will concentrate on developing safe work habits focusing primarily on portable and stationary power equipment.

403 ADVANCED WOODS TECHNOLOGY - 10, 11, 12 (1 Semester - .5 credit) Prerequisite: Woods 2, acceptance of application and interview. (Fee) This advanced course will challenge the student in the various areas of wood technology with specific emphasis on cabinet and furniture making. The student will design and produce a cabinet or furniture item using the various methods of construction. Students will have three project options to choose from and must understand this course will require substantial material cost in excess of \$80.

420/421 BLUE PRINT READING & CONSTRUCTION ESTIMATING - 11, 12 (2 Semesters- 1.0 credit) Prerequisite: None This course will begin with students interpreting blueprints for trade information, drawing sketches to convey ideas and utilizing drawing software to develop and prepare a set of residential building plans. In the Construction Estimating portion, students will explore techniques for standard construction estimating and bidding procedures from the take-off to bid, covering the areas of excavation, concrete, wood, masonry, carpentry, alteration work, mechanical work, electrical work, and general conditions. This is a transcribed 3 credit course in Blueprint Reading and also a transcribed 2 credit course in Construction Estimating.

405 LIGHT CONSTRUCTION METHODS - 10, 11 (1 Semester- .5 credit) Prerequisite: None (Fee) This course provides an opportunity for students to learn and apply the basic knowledge and skills of the wide and varied field of the building trades industry. The course will give the student the opportunity to do actual construction work as well as learn what experienced building trades people do. Students will be able to apply their knowledge and skills by constructing small buildings, such as tool sheds, play houses, etc. (50% classroom and 50% lab work.)

406/407 RESIDENTIAL CONSTRUCTION - 12 (2 Semesters-1.0 credit per Semester) Prerequisite: Light Construction Methods Students must take this class for both semesters. Students admitted to this program by application and selection process and by instructor approval only. See Residential Construction instructor for application after successful completion of Light Construction Methods (Grade of B or better). Residential Construction is designed for seniors who have expressed an interest in and an aptitude for entry into the many fields of the building trades/construction industry. The course will introduce the student to the many skills and potential careers associated with residential home construction. Each year students will be constructing an on-site residential structure for someone from the community. Students will be required to pay for safety shoes and other required supplies.

408 METAL PROCESSES - 9, 10, 11, 12 (1 Semester- .5 credit) Prerequisite: Engineering Materials (Fee) This course is designed for the student to develop an interest in the metal working field, exploring areas of sawing, filing, bending and decorating. Metal processes including fabrication, fitting and joining will be covered.

409 MACHINE TOOL TECHNOLOGY 1 - 9, 10, 11, 12 (1 Semester - .5 credit) Prerequisite: Engineering Materials (Fee) Students will develop skill and knowledge in the operation of the lathe, milling machines, surface grinder, measuring instruments, and blue print reading.

410 MACHINE TOOL TECHNOLOGY 2 - 10, 11, 12 (1 Semester - .5 credit) Prerequisite: Machine Tool Tech 1 (Fee) This course will allow students to work with advanced machine and tool processes. Advanced lathe and milling tool operations. Students will design and complete advanced machine projects.

412 WELDING TECHNOLOGY - 9, 10, 11, 12 (1 Semester - .5 credit) Prerequisite: Engineering Materials Fee: Check fee insert sheet. This is an introductory welding course that will help the student become skillful in doing AC-DC arc, TIG, MIG, plasma arc cutting and gas welding. The student will learn to control rod feed, weld simple joints, and weld metals. Transcribed Credit Course = 3 credits in Shielded Metal Arc Welding at Nicolet Technical College.

416 POWER MECHANICS 1 - 9, 10, 11, 12 (1 Semester - .5 credit) (Fee) Power Mechanics 1 is an introductory course in the small engines and auto mechanics area. It involves an introduction to the principles of operation of four stroke cycle engines, with emphasis on basic systems and parts. The students will need an aluminum frame 4-stroke engine. A Briggs and Stratton lawn mower engine, less than 5 h.p. is preferred, which will be rebuilt during the class. Students will be required to provide rebuild parts as needed.

417 POWER MECHANICS 2 - 9, 10, 11, 12 (1 Semester -- .5 credit) Prerequisite: Power Mech 1 This course is a practical application to develop skills and knowledge for maintenance and repair of 2 and 4 cycle engines. The course will give the student the opportunity to do actual work on all types of small engines. Students will pay for all repair parts used. Motorcycle, snowmobile, chainsaw, and outboard motors will be the main type of small engines the course will concentrate on. Students will provide engines to work on.

418 AUTOMOTIVE SYSTEMS 1 - 10, 11, 12 (1 Semester - .5 credit) Prerequisite: Power Mech. 1 & 2 This is a consumer-oriented course designed to teach the basic concepts of automotive technology. In this course, the student will be exposed to basic concepts of design, service, maintenance and repair of automobiles with a focus on entry level service operations and procedures. This course will provide a foundation for continued study of automotive technology. Students are asked to have a valid driver's license, proof of insurance, and a vehicle for use during lab activities. Transcribed Credit Course = 3 credits in Automotive Service Orientation at Nicolet Technical College.

447 AUTOMOTIVE SYSYSTEMS 2 - 11, 12 (1 Semester - .5 credit) Prerequisite: Automotive Systems 1 This is an intermediate level course designed to provide a more in-depth look at the concepts and technologies covered in 418. In this course, the student will be exposed to intermediate level concepts of design, service, maintenance and repair of automobiles with a focus on unit diagnosis, unit repair, service operations and procedures. Students are required to have a valid driver's license, proof of insurance and a vehicle for use during lab activities.

426 MECHANICAL CAD DESIGN 1 - 9, 10, 11, 12 (1 Semester - .5 credit) (Fee) This course is designed to acquaint the student with Mechanical drafting principles and techniques. This course will allow students to acquire skills and knowledge in sketching, proper computer usage, multi-view drawings, dimensioning, section views, pictorials and drawings, and manufacturing processes. The basics of Computer-Aided Drafting (CAD) will be introduced to students in this class. Drafting related career opportunities are also explored.

429 ARCHITECTURAL CAD DESIGN 1 - 9, 10, 11, 12 (1 Semester - .5 credit) (Fee) This course is designed to allow students to explore the design and layout of residential structures, as well as the creation and use of CAD drawings in home design and construction. Drawings and related projects are assigned in area planning for homes, cost analysis, floor plan design, foundations, roof styles, section views, elevations, perspective renderings, and land descriptions. Related career opportunities are also explored. The basics of computer-aided Drafting (CAD) will be reinforced in this class using Chief Architect and AutoCAD Architectural Desktop software packages.

430 ARCHITECTURAL CAD DESIGN 2 9, 10, 11, 12 (1 Semester - .5 credit) Prerequisite: Architectural CAD Design 1 (Fee) This course is designed to allow the student to learn about more advanced architectural design as well as residential building technology. CAD drawing subjects will include building planning, floor plan design, pictorial drawings, sectional plans, framing plans, electrical plans, climate control systems, and basic plumbing diagrams. Alternate energy sources for housing are explored and evaluated. Architectural design problems will be created, modeled, analyzed and communicated using CAD software including Architectural Desktop and Chief Architect. Complete sets of drawings and plans will be assembled into an electronic portfolio and presented to the class. Course also includes units on careers in Architecture as well as frequent field trips to the Vocational Building Trades project house to view the application of architectural design elements to an actual residential structure.

431 ARCHITECTURAL CAD DESIGN 3 - 11, 12 (1 Semester - .5 credit) Prerequisite: Architectural CAD Design 2. (Fee) It is recommended that this course be taken in 12th grade while taking Residential Construction.

Students will design, model and develop a complete set of plans for a residential structure using Chief Architect or AutoCAD Architectural Desktop. Students will then complete a physical 3d scale model using balsa wood, foam-core board, and other materials, and present their entire project to a group of their peers. Course also includes units on careers in Architecture as well as frequent field trips to the Residential Construction project house to view the application of architectural design elements to an actual residential structure.

435 EXPLORING GRAPHIC ARTS - 9, 10, 11, 12 (1 Semester - .5 credit) Prerequisite: None (Fee) Check fee insert Sheet. This course specializes in the field of offset printing. Study units will consist of line photography, half-tone photography, film developing, layout, stripping, plate making, offset presswork, and silk screening.

436 GRAPHIC ARTS TECHNOLOGY - 10, 11, 12 (1 Semester - .5 credit) Prerequisite: Exploring Graphic Arts. (Fee). This course provides a concentrated study in a more specialized area including advanced camera work, special effects, video reproduction, digital photography, offset press operation, and computer typesetting. Students work on job orders as they would in a printing shop. Students can make personalized stationary, note pads, shopping lists, announcements, etc.

439 EXPLORING PHOTOGRAPHY - 9, 10, 11, 12 (1 Semester - .5 credit) (Fee) This course provides beginning photographers with the necessary skills, techniques, and knowledge of photography in order to express their own ideas on film. Units of instruction will include care and operation of camera, film development, making and enlarging prints. This is a complete basic photo course from how to take better pictures to mounting your own prints.

432 INTRODUCTION TO ELECTRONICS - 9, 10, 11,12 (1 Semester - .5 credit) (Fee) This course is designed to give students a good foundation in the basic principles of electronics. Students will study electron behavior in direct current (DC) and alternating current (AC) circuits. Students will have the opportunity to build and experiment with many interesting circuits using components such as resistors, capacitors, transistors, diodes, integrated circuits, etc. Students will also be able to construct at least one electronic project of their choice to keep.

433 ELECTRONICS COMMUNICATION - 9, 10, 11, 12 (1 Semester - .5 credit) Prerequisite: Introduction To Electronics (Fee). The course will provide students with an opportunity to study transmitter and receiver theory and applications for AM, FM, television, and other broadcast bands. Laboratory activities and circuit analysis will allow the student to understand oscillators, amplifiers, digital processing, fiber optics, laser transmission, and antennas.

434 DIGITAL ELECTRONICS - 10, 11, 12 (1 Semester - .5 credit) Prerequisite: Introduction to Electronics.. (Fee) This course will provide students with an opportunity to study binary code, gates and theories used in electronic control systems and basic operations of a microprocessor. Students will build and work with circuits to reinforce learning in the area of logic circuits, robotics, flip-flops, counters, and control circuits.

422 CONSUMER AUTO - 11, 12 (1 Semester - .5 credit) Only students who have not had any Power Mechanics or Automotive Systems courses. (Fee) A comprehensive consumer oriented class for students who want to learn basic skills and information related to automobiles. Basic maintenance is emphasized. The class is graded approximately 50% lab and 50% classroom. It is recommended that students have a car to work on and a valid driver's license.

EEN Course Descriptions

Guided Study - 9,10,11,12 (.5 credit) The purpose of Guided Study courses is to provide EEN students assistance so they can participate and succeed in the regular education classroom. Guided Study classes follow the curriculum and assignments of the regular education class. They can also include assignments from the EEN teacher to supplement the regular class. English Survey 1 & 2 Guided Study classes are also considered English credits and are counted towards fulfilling RHS English Elective graduation requirements. All other Guided Study classes are counted as elective credits. Guided Study classes are offered for the following required regular education classes: English Survey 1 & 2, Integrated Science 1 & 2, Biology 1 & 2, U.S. History, Sociology and Personal Money Management

Study Skills - 9,10,11,12 (.5 elective credit) This class is designed to support students in completing regular education classroom work in all subjects. Study and review skills are also reinforced. Students will be graded on regular education work completed daily, as well as study skills weekly work.

Life Skills - 9,10,11,12 (.5 elective credit) This class is designed to give practical applications of life skills to an EEN student, especially those who struggle to maintain positive social skills both at school and in life. Topics covered range from money management, good health practices, and job skills, to handling feelings/emotions, and positive social skills. Students also have the opportunity to seek support for completing regular education classes and learning labs.

NONDISCRIMINATION POLICY

The Rhinelander School District does not discriminate on the basis of sex, race, national origin, ancestry, creed, religion, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional, or learning disability or in its educational programs or activities. Federal law prohibits discrimination in employment on the basis of age, race, color, national origin, sex, religion, or disability.