2016-2017
Career Planning & Course Description Guide

RICE LAKE HIGH SCHOOL
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RICE LAKE, WI 54868
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The Rice Lake High School does not discriminate on the basis of color, handicap, national origin, race or sex.
**Mission of the Rice Lake School District:**

"We will partner with students, families and community members to provide a safe learning environment to ensure our students achieve academic and personal success as they become lifelong learners."

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### Course Flow Charts

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Junior and Senior Conferences
The purpose of these conferences is for your student to meet with his or her counselor and review transcripts, discuss credits needed for graduation, and key issues regarding the junior and senior years. These meetings will also allow students to express ideas, interests and areas of concern as it relates to their future, as well as give a clearer picture of what steps need to be taken in order to make post-secondary plans happen.

Individual Conferences with Counselors
Parents, guardians and students are welcome to make appointments with counselors any time throughout the year. The conferences listed below are specifically designed for career planning.

Freshman Success
In this required class during the freshman year, the counselors assist students in finding and researching a possible career goal. Students then take time to develop an education/training plan to reach that goal.

Sophomore Conference
As students look forward to their junior and senior years, career exploration and planning is vital. There are critical items that need to be discussed and completed in the junior year to ensure that plans can progress. Topics covered include credit status toward graduation, review of the ACT Aspire, junior course selections, recommendation for senior courses, and scholarship positioning ideas. Sophomore conferences are scheduled with each student and their parents during Terms 2 and 3 and last about 45 minutes. Information regarding these conferences will be sent home during Term 2.

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Career Planning and Testing

Career Planning

Individual Conferences with Counselors
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College Admission Tests

ACT: The ACT is the preferred admissions test of four-year colleges and universities throughout the Midwest. Two-year colleges also require the ACT. The ACT Plus Writing is given to all juniors in March of each school year during the school day as part of state testing. Because it is a part of state testing, there is no cost to students for the March test. The ACT is still offered on Saturday morning five times throughout the year. There is a fee for taking the ACT on a Saturday test date. Subject areas include English, Reading, Math, Science Reasoning and Writing (optional on Saturday test dates). Students can register online at www.actstudent.org for Saturday test dates. Registration for the state-wide testing in March will be done by RLHS.

Technical colleges do not require the ACT.

SAT: The SAT Test is similar to the ACT, published by a different company. For more information, go to www.collegeboard.com

PSAT: The PSAT (Preliminary Scholastic Aptitude Test) is offered to juniors in October. Some students may want to take the PSAT to practice taking a standardized college entrance exam. Juniors with very high PSAT scores may qualify for the National Merit Scholarship Program. PSAT scores may be required for certain highly selective scholarships. There is a fee to take this test.

ASVAB: The ASVAB (Armed Services Vocational Aptitude Battery) is free and is offered on a weekday morning in the fall to interested juniors and seniors. The test includes a vocational component which many students use in the career development process. The ASVAB is conducted by military personnel at the school. Students considering military options after high school may want to take the ASVAB.

ACT Aspire: The ACT Aspire has replaced WKCE testing for students in grades 9 and 10. Freshmen and sophomore students will take the computer-based ACT Aspire in the spring. It is required by the State of Wisconsin and tests in the areas of English, Math Reading, Science and Writing.

Testing
Credit is awarded upon the successful completion of a course. Courses that meet for one term are worth 0.5 credit. Courses that meet for two terms, every day, are worth 1 credit.

Grade point average and credits earned are calculated at the end of Term 2 and Term 4.

Rice Lake High School uses the Block Schedule concept to develop its school year. In our school day, there are four periods, each approximately 80 minutes in length. In addition, we have a 37 minute block of time where students are assigned to a level one, two, or three resource classroom based on grades, graduation status, character, and district/state test results. This time is utilized for a range of activities from basic academic support and skill-building to enrichment opportunities. Most courses are one 9-week period or term long. Each term introduces a new schedule of four classes, allowing a student to take as many as 16 classes during a school year, earning up to 8 credits.

26 Credits are required for graduation.

Of the 26, the following are required:

<table>
<thead>
<tr>
<th>4 Credits of English</th>
<th>including English 9 and English 10</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5 Credit of Freshman Success</td>
<td></td>
</tr>
<tr>
<td>3 Credits of Social Studies</td>
<td>including U.S. History 9, U.S. History 10, World History (or AP European History) and American Citizenship</td>
</tr>
<tr>
<td>1.5 Credits of Physical Education</td>
<td>including Physical Education 9 and Physical Education 10</td>
</tr>
<tr>
<td>3 Credits of Science</td>
<td>including Pre-Chemistry, Pre-Physics and Biology</td>
</tr>
<tr>
<td>0.5 Credit of Health</td>
<td></td>
</tr>
<tr>
<td>3 Credits of Math</td>
<td></td>
</tr>
</tbody>
</table>
Technical colleges provide affordable, career-oriented programs for many high-skilled, technical jobs in the state. Small class size, flexible scheduling, and a high job placement rate are all attractive features of these schools. Students spend most of their class time in job-related settings where they receive hands-on training from experienced instructors. Degrees offered range from short-term programs and certificates to technical diplomas and associate degrees which take one to two years to complete. WITC in Rice Lake is an example of a technical college.

Technical colleges currently have an open enrollment policy, which requires a high school diploma or equivalency diploma. Specific programs have specific requirements for admittance. For example, some programs might require specific pre-requisite courses taken in high school or at the technical college. Another example is the Registered Nursing Program which requires certain high school coursework and ACT scores.

Articulation Agreements

Articulation agreements are being reviewed state-wide. Students should check with WITC for up-to-date information.

Earn Free College Credit: Transcripted Credit

You can earn college credit at NO COST to you by taking transcripted credit coursework while in high school. Actual technical college courses are taught to Rice Lake High School students in a high school setting. An agreement between the technical college and high school spells out conditions that must be met by the instructor and student to successfully complete the course. The course is taught by your high school instructor and college credits are awarded and recorded on a technical college transcript upon successful completion of the course. Many credits are accepted by four-year universities/colleges as general elective credits at no cost to the student. Currently the following courses are transcribed through WITC: Accounting, Business Management, Business Law, Web Design, Advanced Microsoft Word, Microsoft Office and Publications, IT Essentials: “How Computers Work,” and Keyboarding Applications.
Students may start their education at a two-year college and then transfer to a four-year college to earn a bachelor’s degree. After fulfilling certain credit and grade point requirements, students who participate in the Guaranteed Transfer Program are guaranteed admission into the UW-University of their choice. The transfer program guarantees admission to the baccalaureate institution only and not to the specific program or major.

Two-year colleges are different from technical schools. In Wisconsin, the two-year colleges belong to the UW System. UW-Barron County is an example of a two-year college.

Minimum course requirements for Two-Year College

Have graduated from a recognized high school, have a Certificate of GED, or present other evidence of ability to begin:

Have a minimum of 17 college prep credits. 13 of the 17 credits must be distributed as follows:

- 4 Credits of English
- 3 Credits of Social Studies
- 3 Credits of Natural Science
- 3 Credits of Math including Algebra 1, Geometry and Algebra 2
- The remaining four credits will be from the above areas, foreign language, fine arts, computer science or other academic areas.

Submit an ACT or SAT score. The scores must be received before you will be permitted to register.

If you are admitted and if your high school record, placement test scores, or other previous academic performance indicate that you may have difficulty with university work, you will be required to participate in special programs aimed at preparing you to succeed at university-level coursework. Please note that some of these courses may not count toward your college degree.
Colleges have their individual requirements regarding admissions, and they may change yearly. Thus, you should identify these requirements as early as possible to ensure you will meet them by high school graduation.

If your plans after graduation include a four-year college, keep in mind these major factors upon which your college admission is based:

- The quality of your course of study while in high school
- The grades earned in these courses and resulting grade-point average
- Your score on the ACT or SAT test
- Activities both in and out of school (an important factor when scholarships are awarded)

Minimum course requirements for the UW-System.

Private and out-of-state schools may have additional requirements.

13 Core College Prep Credits:

- 4 Credits of English
- 3 Credits of Social Studies
- 3 Credits of Natural Science

- 3 Credits of Math including Algebra 1, Geometry and Algebra 2

World Language:

In the UW System, UW-Madison is the only college that requires two years of the same world language for admission. Other UW schools recommend it. Some schools in the University of Minnesota System also require two years of the same world language.

4 Elective Credits:

These can be chosen from the above core college prep areas: world language, fine arts, computer science and other academic areas. Some UW System schools may also accept vocational courses for some of these four elective credits.
4 Year Plan for Course Selections

E-Portfolio: Students are required to complete an E-Portfolio during their 4-year high school career. More information on this can be found on the Rice Lake High School Website.

Click here to access the E-Portfolio online

Graduation Requirements – 26 Credits

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
<th>Course Type</th>
<th>Credits</th>
<th>Course Type</th>
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<tr>
<td>English</td>
<td>4</td>
<td>Freshmen Success</td>
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<tr>
<td>Math</td>
<td>3</td>
<td>Physical Education</td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td>Science</td>
<td>3</td>
<td>Social Studies</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Health</td>
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Freshman Course Selection

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<thead>
<tr>
<th>Course #</th>
<th>Course Type</th>
<th>Course Name</th>
<th>Course #</th>
<th>Course Type</th>
<th>Course Name</th>
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</thead>
<tbody>
<tr>
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<td>English</td>
<td></td>
<td>9</td>
<td>FR1104</td>
<td>Freshman Success</td>
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<td>2</td>
<td>English</td>
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<td>3</td>
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<td>Pre-Chemistry</td>
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<td>5</td>
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<td>US History 9</td>
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<td>6</td>
<td>Phy Ed</td>
<td>Physical Education 9</td>
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<td>7</td>
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<tr>
<td>8</td>
<td>Math</td>
<td></td>
<td>16</td>
<td></td>
<td>Elective</td>
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*Freshman are encouraged to take only one level of a subject per year. In other words, taking only one math level per year or one foreign language level per year. This is recommended so Freshman can explore the different subject areas in the high school before focusing on one or two particular areas.

Sophomore Course Selection

<table>
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<tr>
<th>Course #</th>
<th>Course Type</th>
<th>Course Name</th>
<th>Course #</th>
<th>Course Type</th>
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<tbody>
<tr>
<td>1</td>
<td>English</td>
<td></td>
<td>9</td>
<td>Science</td>
<td></td>
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<tr>
<td>2</td>
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<td>10</td>
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<tr>
<td>3</td>
<td>Phy Ed</td>
<td>Physical Education 10</td>
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<td>5</td>
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<td>6</td>
<td>Social Studies</td>
<td>US History 10</td>
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<td>7</td>
<td>Math</td>
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<td>8</td>
<td>Math</td>
<td></td>
<td>16</td>
<td></td>
<td>Elective</td>
</tr>
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</table>

*If you did not take Biology as a freshman, you must take it in 10th grade.

* Keyboarding Applications may be taken pass/fail. This means that you can take the course for credit, but do not take the letter grade. Instead, you would receive a grade of "S" (satisfactory) or "U" (unsatisfactory). Forms are available in Student Services and must be returned within 10 calendar days after the start of the new term.
E-Portfolio: Students are required to complete an E-Portfolio during their 4-year high school career. More information on this can be found on the Rice Lake High School Website.  

Click here to access the E-Portfolio online

*Must choose a minimum of one term of Phy Ed during their junior or senior year. Athletic Training and Senior Assistant will not count toward the 1.5 Physical Education credits needed to graduate.

*Sign up for any additional Math or Science credits needed

<table>
<thead>
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<th>Junior Course Selection</th>
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<tbody>
<tr>
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</tr>
<tr>
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<td>4</td>
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<td>6</td>
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<tr>
<td>7</td>
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<td>8</td>
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</table>

<table>
<thead>
<tr>
<th>Senior Course Selection</th>
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</thead>
<tbody>
<tr>
<td>Course #</td>
</tr>
<tr>
<td>1</td>
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<tr>
<td>2</td>
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<tr>
<td>3</td>
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<tr>
<td>4</td>
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<td>5</td>
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<tr>
<td>6</td>
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<tr>
<td>7</td>
</tr>
<tr>
<td>8</td>
</tr>
</tbody>
</table>

*Sign up for any courses you may have failed.

*Students are limited to two study halls in one year.

*Independent Study- In order to take credit you must:

1. Receive permission from the instructor of the department involved.
2. Write a detailed week-by-week plan for completion of the research project with the assistance of the instructor. This must be signed by the instructor.
3. Submit your proposal(s) for Term 1 or 2 to the Principal by April 16th of the previous year for review. You will be notified as to the project’s eligibility for credit (0.5 credit). For terms 3 and 4, proposals must be submitted by December 15th.
# Rice Lake High School Laude System

The purpose of the Laude System is to reward students for the **rigor** of their academic program as well as their **success** in that program.

<table>
<thead>
<tr>
<th>Award Levels</th>
<th>There are three levels of awards</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Summa Cum Laude (With Highest Honor/Distinction)</td>
</tr>
<tr>
<td></td>
<td>Magna Cum Laude (With Great Honor/Distinction)</td>
</tr>
<tr>
<td></td>
<td>Cum Laude (With Honor/Distinction)</td>
</tr>
</tbody>
</table>

| Initial Implementation | The Laude System was implemented beginning with the Class of 2015. |

| Minimum GPA | To be considered for a Laude award, the student must have a cumulative GPA after the 2nd term senior year of 3.0 or higher. |

| Laude Score | A student’s Laude score will be determined by multiplying 1) the students cumulative GPA after 2nd term senior year by 2) the number of “advanced” courses approved for honors points completed through end of senior year. One honor point will be earned per term for each approved course. Advanced Courses are listed on the Advanced Courses chart. |

<table>
<thead>
<tr>
<th>Score Breaks</th>
<th>There will be no rounding of Laude Scores.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>80+ for Summa Cum Laude</td>
</tr>
<tr>
<td></td>
<td>68 – 79.999 for Magna Cum Laude</td>
</tr>
<tr>
<td></td>
<td>52-67.999 for Cum Laude</td>
</tr>
</tbody>
</table>

| Exceptions | Exceptions will be made on a case-by-case basis for students with unique circumstances, including but not limited to: study abroad, early graduation, college course load, virtual learning. Students wishing individual consideration of their unique situation must make application to the Principal by Feb. 1st of his/her senior year. |

<table>
<thead>
<tr>
<th>Examples</th>
<th>Minimum Combinations for Cum Laude:</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>3.0 GPA and 18 terms of Adv. Courses</td>
</tr>
<tr>
<td></td>
<td>3.5 GPA and 15 terms of Adv. Courses</td>
</tr>
<tr>
<td></td>
<td>4.0 GPA and 13 terms of Adv. Courses</td>
</tr>
</tbody>
</table>

|          | Minimum combinations for Magna Cum Laude: |
|          | 3.0 GPA and 23 terms of Adv. Courses |
|          | 3.5 GPA and 20 terms of Adv. Courses |
|          | 4.0 GPA and 17 terms of Adv. Courses |

|          | Minimum combinations for Summa Cum Laude: |
|          | 3.0 GPA and 27 terms of Adv. Courses |
|          | 3.5 GPA and 23 terms of Adv. Courses |
|          | 4.0 GPA and 20 terms of Adv. Courses |

<table>
<thead>
<tr>
<th>Sample</th>
<th>GPA = 3.685</th>
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<tbody>
<tr>
<td>Courses</td>
<td>AP Biology (3), AP Calc AB (3), AP Lang (2), French V (2), Advanced Math (2), Mythology (1), World Literature (1), Applied Engineering (1), Psychology (1), Athletic Training (1), 7 sem. of Band + 2 A solos or duets (2) = 19</td>
</tr>
<tr>
<td>Calculation</td>
<td>3.685 x 19 = 70.015, Earns Magna Cum Laude</td>
</tr>
</tbody>
</table>

*This is a working document that will need further discussion and revision on an annual basis. Future revisions should be part of the course description booklet process.*

Updated: 1/03/2013 12:30 PM
## Rice Lake High School

### Advanced Courses for Laude Recognition

<table>
<thead>
<tr>
<th>Department</th>
<th>Course Title</th>
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<td>Family and Consumer Ed</td>
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<td>Athletic Training</td>
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Rice Lake High School Laude System

- **Cum Laude**
  - Summa Cum Laude
  - Magna Cum Laude
  - Cum Laude
Agriculture Course Chart

Elective Courses

- Plants, Animals, and You
  Grade 9
  (0.5 credit)

- Leadership, Agriculture, and You
  Grade 9
  (0.5 credit)

- Animal Systems Pathway

- Natural Resources Pathway

- Plant Systems Pathway

- Food Processing
  (0.5 credit)

- Forestry
  (0.5 credit)

- Horticulture
  (0.5 credit)

- Veterinary Science
  (0.5 credit)

- Natural Resources
  (0.5 credit)

- *Wildlife Management
  (0.5 credit)

*Indicated Laude Course

Returned to Table of Contents
Elective Technology Courses
with necessary pre-requisites

- **Keyboarding Applications**
  - Grades 10-12; basic keyboarding skill required
  - (0.5 credit)

- **Microsoft Office and Publications**
  - Grades 10-12; basic keyboarding skill required
  - (0.5 credit)

- **Advanced Microsoft Word**
  - Keyboarding Applications or
  - passing the keyboarding proficiency test highly recommended
  - (0.5 credit)

- **Web Page Design**
  - Grades 10-12;
  - Basic keyboarding skill required
  - (0.5 credit)

- **Internship**
  - (0.5 credit)

Elective Business Core Courses
with necessary pre-requisites

- **Introduction to Business/Marketing**
  - Grades 9-10
  - (0.5 credit)

- **Accounting 1**
  - Grades 10-12
  - (0.5 credit)

- **Personal Finance**
  - Grades 12
  - (0.5 credit)

- **Marketing**
  - Grades 11-12
  - (0.5 credit)

- **International Business**
  - Grades 11-12
  - (0.5 credit)

- **Business Management**
  - Grades 11-12
  - (0.5 credit)

- **Business Law**
  - Grades 11-12
  - (0.5 credit)

- **Internship**
  - (0.5 credit)

*Indicated Laude Course*
Career and Technology Education Course Chart

(0.5 Credit of Freshman Success required for graduation)

**Elective Courses**

Freshman Success
(0.5 credits)
(Required 9th grade)

- Internship
  (0.5 credit)
- Personal Finance
  (0.5 credit)
- CTE Co-op
  (0.5 credits)

*Indicated Laude Course

Health, Medical & Protective Service Careers

**Elective Courses**

Health Careers
(0.5 credit)
English Course Chart
(4 credits required for graduation)

Required Courses

English 9
Two Terms
(1 credit)

Advanced English 9
Two Terms
(1 credit)

English 10
Two Terms
(1 credit)

Advanced English 10
Two Terms
(1 credit)

Elective Courses
with necessary pre-requisites

Personal Composition
Grades 11-12
(0.5 credit)

*Mythology
Grades 11-12
(0.5 credit)

Creative Writing
Grades 11-12
Offered in even-numbered graduation years.
Next offered in 2017-2018
(0.5 credit)

Contemporary Literature
Grades 11-12
Offered in odd-numbered graduation years.
Next offered in 2016-2017
(0.5 credit)

A Literary Study of Theatre
Grades 11-12
Offered in even-numbered graduation years.
Next offered in 2017-2018
(0.5 credit)

Technical Reading
Grades 11-12
Offered in odd-numbered graduation years.
Next offered in 2016-2017
(0.5 credit)

Technical Writing
Grades 11-12
Offered in even-numbered graduation years.
Next offered in 2017-2018
(0.5 credit)

Speech Communication
Grades 11-12
Offered in odd-numbered graduation years.
Next offered in 2016-2017
(0.5 credit)

*British Literature
Grades 11-12
Offered in even-numbered graduation years.
Next offered in 2017-2018
(0.5 credit)

*World Literature
Grades 11-12
Offered in odd-numbered graduation years.
Next offered in 2016-2017
(0.5 credit)

*Research & Composition
Grades 11-12
(0.5 credits)

*AP English Language & Composition
Grades 11-12
Offered in odd-numbered graduation years.
Next offered in 2016-2017
(1 credit)

*AP English Literature & Composition
Grades 11-12
Offered in even-numbered graduation years.
Next offered in 2017-2018
(1 credit)

*Indicated Laude Course
Elective Courses with necessary pre-requisites

- **Introduction to Foods and Finance** (0.5 credit)
- **Hobbies for Life** (0.5 credit)
- **Family Wellness in the 21st Century** 12th grade only (0.5 credit)
- **Foods for Teens** (0.5 credit)
- **Introduction to Fashion and Design** (0.5 credit)
- **Parent and Child** (0.5 credit)
- **Clothing and Textiles** Earn a grade of C or above in Intro to Fashion & Design course, or instructor approval (0.5 credit)
- **Culinary Arts**
  - Foods for Teens (0.5 credit)
- **Family and Consumer Education Co-op** (See CTE Co-op) pg. 29
- ***Independent Study in Family and Consumer Education**
  - Student must complete prior courses in the field of study and/or with instructor approval (0.5 credit)

*Indicated Laude Course

The Rice Lake High School Coop Programs are equal opportunity programs that do not discriminate on the basis of color, handicap, national origin, race or sex.
Math Course Chart

(3 credits required for graduation)
College requirements: Algebra 1, Geometry, Algebra 2

**Elective Courses**
with necessary pre-requisites

- **Pre-Algebra**
  - 8th grade Math or Instructor recommend
  - (1 credit)

- **Algebra 1**
  - 8th grade Math or Pre-Algebra with a grade of C or above
  - (1 credit)

- **Geometry**
  - Algebra 1 (grade of C or above) or successful completion of Introductory Geometry or math instructor recommendation
  - (1 credit)

- **Introductory Geometry**
  - Algebra 1
  - (1 credit)

- **Algebra 2**
  - Algebra 1 and Geometry (grade of C or above) or a math instructor recommendation
  - (1 credit)

- **Advanced Math**
  - Algebra 2 (grade of C or above) or a math instructor recommendation
  - (1 credit)

- **AP Calculus AB**
  - Advanced Math (grade of C or above) or a math instructor recommendation
  - (1.5 credit)

- **AP Calculus BC**
  - AP Calculus AB
  - (1 credit)

- **AP Statistics 1 & 2**
  - Algebra 2 (grade of C or above) or a math instructor recommendation
  - (1 credit)

*Indicated Laude Course*
**Elective Courses**

*with necessary pre-requisites*

- **Concert Band 9-10**
  - Audition and/or consent of director
  - (1 credit)

- **Symphonic Choir**
  - Audition and/or consent of director
  - (1 credit)

- **General Music**
  - (0.5 credit)

- **Symphony Band/Wind Ensemble**
  - Audition and/or consent of director
  - 9 & 10 Grade Band
  - plus 1 class A solo or duet
  - 11 & 12 Grade Band
  - plus 1 class A solo or duet

- **Symphonic Choirs/Robed Choir**
  - Audition and/or consent of director
  - 9 & 10 Grade Choir
  - plus 1 class A solo or duet
  - 11 & 12 Grade Choir
  - plus 1 class A solo or duet

- **Introduction to Music Theory**
  - MUST be in Band or Choir
  - (0.5 credit)

- **Advanced Music Theory**
  - Intro to Music and permission of instructor
  - (0.5 credit)

*Indicated Laude Course*
Physical Education & Health Course Chart
(1.5 Physical Education and 0.5 of Health required for graduation)

**Required Courses**

- Health
  - (0.5 credit)

- Physical Education 9
  - Freshmen Only
  - (0.5 credit)

- Physical Education 10
  - Sophomores Only
  - (0.5 credit)

**Elective Courses**

**with necessary pre-requisites**

- Dual & Individual-
  - Fall and Spring
  - Grades 11-12
  - (0.5 credit)

- Dual & Individual-
  - Winter
  - Grades 11-12
  - (0.5 credit)

- Outdoor Adventure
  - Grades 11-12
  - (0.5 credit)

- Winter Outdoor Adventure
  - Grades 11-12
  - (0.5 credit)

- Outdoor Team Sports
  - Grades 11-12
  - (0.5 credit)

- Winter Team Sports
  - Grades 11-12
  - (0.5 credit)

- Fit for Life
  - Grades 11-12
  - (0.5 credit)

- *Athletic Training*
  - This course does not count toward the 1.5 required Phy. Ed. credit
  - Grades 11-12
  - (0.5 credit)

- Senior Assistant
  - This course does not count toward the 1.5 required Phy. Ed. credit
  - Grades 11-12
  - (0.5 credit)

- Grade 11-12
  - Independent Study
  - (0.5 credit)

*Indicated Laude Course*
## Science Course Chart

(3 credits required for graduation)

### Required Courses

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<th>Course</th>
<th>Credits</th>
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<tr>
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<tr>
<td>Pre Chemistry</td>
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### Elective Courses

**with necessary pre-requisites**

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<td>Biotechnology</td>
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<td>Veterinary Science</td>
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<td>*Anatomy and Physiology Gold</td>
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<tr>
<td>*Conceptual Physics 1:</td>
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<td>*Conceptual Physics 2:</td>
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<td>*AP Chemistry</td>
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<tr>
<td>*AP Biology</td>
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*Indicated Laude Course
Required Courses

- US History 9 (0.5 credit)
- US History 10 (1 credit)
- World History (1 credit)
  - AP European History may be taken in place of World History to satisfy graduation requirement
- American Citizenship (0.5 credit)

Elective Courses with necessary pre-requisites

- Economics (0.5 credit)
- Global Studies (0.5 credit)
- Social Problems (0.5 credit)
- *Psychology (0.5 credit)
- Current Problems (0.5 credit)
- *AP European History
  - US History 10 and/or Social Studies/English instructor recommendation
  - (1 credit)

*Indicated Laude Course
Elective Transportation Courses
with necessary pre-requisites

Introduction to Transportation
(0.5 credit)

Power Mechanics
Pre-requisite: Introduction to Transportation
(0.5 credit)

Automotive ABC’s
Grades 11-12, Grade 10 by instructor approval only
Pre-requisite: Introduction to Transportation (0.5 credit)

Independent Study Transportation/HMV High Mileage Vehicle
Introduction to Transportation, Power Mechanics, & Automotive ABC’s
(0.5 credit)

Elective Manufacturing Courses
with necessary pre-requisites

Introduction to Manufacturing
(0.5 credit)

Wood Process Technology
Pre-requisite: Intro to Manufacturing
(0.5 credit)

Fundamentals of Machining
Pre-requisite: Intro to Manufacturing
(0.5 credit)

Welding One: Intro to Welding and Blue Print Reading for Welders
Pre-requisite: Intro to Manufacturing
(0.5 credit)

Light Building Construction
Pre-requisite: Intro to Manufacturing
(0.5 credit)

Welding Two: Shielded Metal Arc Welding (SMAW)
Pre-requisite: Welding One
(0.5 credit)

Home Repair Basics
Pre-requisite: Intro to Manufacturing
(0.5 credit)

Welding Three: Gas Metal Welding (GMAW)
Pre-requisite: Welding Two
(0.5 credit)

Independent Study Manufacturing
Pre-requisite: Two courses completed from the following: Metal Processing Technology, Wood Processing Technology or Light Building Construction
(0.5 credit)

Welding Four: Flux Cored Arc Welding/Out of Position Welding
Pre-requisite: Welding Three
(0.5 credit)

Tech Ed Coop
(See CTE Co-op) pg. 29
Elective Communications Courses

- Introduction to Communications (0.5 credit)
- Applied Graphic
  Pre-requisite: Intro to Communications
  (0.5 credit)
- Solid Works
  3D Modeling
  (0.5 credit)
- Independent Study Communications
  Pre-requisite: Multimedia Communications and Graphics
  (0.5 credit)

Advanced Technology Courses

- *Applied Engineering
  Grades 11-12 in good academic standing. A strong background in Math, Physics and Science is desirable for participation in this course.
  (0.5 credit)

  Grades 11-12 in good academic standing
  (0.5 credit)

- Technology Education Co-op
  Grades 11-12 (0.5 credit)

The Rice Lake High School Coop Programs are equal opportunity programs that do not discriminate on the basis of color, handicap, national origin, race or sex.
How are you preparing to succeed in our increasingly diverse society?

Understanding other languages and cultures is necessary in our multicultural and multilingual society. Knowledge of the world languages will enhance any career path.

**French Courses**

- French 1
  - (1 credit)

- French 2
  - French 1 or instructor approval
  - (1 credit)

- French 3
  - French 2 or instructor approval
  - (1 credit)

- *French 4
  - French 3 or instructor approval
  - (1 credit)

- *French 5
  - French 4 or instructor approval
  - (1 credit)

**Spanish Courses**

- Spanish 1
  - (1 credit)

- Spanish 2
  - Spanish 1 or instructor approval
  - (1 credit)

- Spanish 3
  - Spanish 2 or instructor approval
  - (1 credit)

- *Spanish 4
  - Spanish 3 or instructor approval
  - (1 credit)

- *Spanish 5
  - Spanish 4 or instructor approval
  - (1 credit)

*Indicated Laude Course
Courses Requiring Additional Instructor Approval Chart

**Independent Study Courses**
with necessary pre-requisites

- Independent Study
  Grades 11-12
  For classes other than Tech Ed.
  (0.5 credit)

**Intervention Courses**
with necessary pre-requisites

- Basic Math
  Grades 9-12 with instructor recommendation
  (1 credit)

- Practical Math
  Grades 9-12 with instructor recommendation
  (1 credit)

**Transition Courses**
with necessary pre-requisites

- Pre-vocational Skills
  Grades 9-12 with instructor recommendation

- Work Readiness 1
  Grades 9-12 with instructor recommendation
  (0.5 credit)

- Work Readiness 2
  Grades 9-12 with instructor recommendation
  Work Readiness 1 is not a pre-requisite for Work Readiness 2
  (0.5 credit)

- Transition to Work Goodwill 1
  Grades 10-12 with instructor recommendation

- Transition to Work Goodwill 2
  Grades 10-12 with instructor recommendation

**Work Experience Program**
Pre-vocational Skills or Work Readiness, and Passing all classes.
Grades 10-12 with instructor recommendation
(1 credit)

- Social Thinking
  Grades 9-12 with instructor recommendation
  (1 credit)

- Independent Living Skills
  Grades 9-12 with instructor recommendation
  (0.5 credit)
Agriculture

LEADERSHIP, AGRICULTURE, AND YOU  AG6101
Grades 9-12  (0.5 Credit)
This class creates a learning environment which you create and feel comfortable in. We will use many components of FFA leadership opportunities. This course will feature many hands-on opportunities to demonstrate and develop your own leadership style. Topics that will be covered include motivation, leadership styles, goal setting and goal achievement, Structured Agricultural Experiences, Parliamentary Procedure, and many other opportunities. This class will help prepare you for your future in high school, agriculture, FFA, and your future career.

PLANTS, ANIMALS, AND YOU  AG6102
Grades 9-12  (0.5 Credit)
This course introduces you to the areas of plant and animal science as they relate to producers and consumers. Plant and animal physiology, reproduction, and structures will be covered. We will use the greenhouse to create your very own experiments. The soils of Barron County, field trips to local producers, as well as a unit on taxidermy, will also be covered. This class is designed as an introduction to other agri-science courses.

FOOD PROCESSING  AG6653
Grades 10-12  (0.5 Credit)
Have you ever wondered how raw products on a farm or in a field get turned into many of the tasty things that you enjoy? Well if so, this is the course for you! The topics covered in this course include food preservation, food inspection, sanitation, processing of meat and dairy products, fruit and vegetable products as well as career exploration of the many occupations within the food science industry. You will learn how to inspect and grade different products. You will also learn about how much science is involved with the processing of foods. Field trips to local food processing companies will be included.

FORESTRY  AG6632
Grades 10-12  (0.5 Credit)
Did you know that the forestry and forest products industry is one of the largest employers in Wisconsin? In this course, you will learn how to manage a forest, identify trees, calculate the value of standing timber, land measurements, use GPS and compasses, learn about silviculture practices, and how to harvest trees safely. This course will also spend time utilizing the school forest and other parks within the City of Rice Lake. If you are interested in a career in the forestry industry or want to learn how to manage your property, then this is the course for you.

HORTICULTURE  AG6651
Grades 10-12  (0.5 Credit)
(Floriculture, Landscape, and Greenhouse Management)
Plants surround our lives every day. They are not only beautiful, but can be very profitable. Through this course, you will learn to identify common house plants and landscaping plants. We will be doing many hands-on learning labs in the greenhouse. We will be running and marketing a plant sale for the community of Rice Lake. In this course, you will also learn the components of landscaping, pruning, grafting, floral arrangements, and plant care. Come and explore to see where plants can take you.

WILDLIFE MANAGEMENT  AG66203
Grades 12  (0.5 Credit)
In this course, you will learn about Wisconsin wildlife and the impact that is has on the State of Wisconsin. You will learn about and be able to identify common fish, mammals, and birds from Wisconsin. You will also learn how to manage property for successful and healthy wildlife populations. You will also be involved in improvement projects for habitat improvement, recreation improvement, and projects to improve wildlife in and around Rice Lake. Field trips and presenters from the DNR and Farm Service Agency will also be utilized. If you are passionate about wildlife and are interested in a career in Natural Resources, this class is a must.

VETERINARY SCIENCE  AG66301
Grades 10-12  (0.5 Credit)
This course will include the study of large and small animals in relation to veterinary science. In this course, you will learn how to examine animals, restraining techniques, give vaccinations, and proper nutrition for animals. You will also learn about the anatomy and physiology of animals and will cap off this unit with a dissection. Other topics that will be covered are animal behavior, diseases, treatments, and veterinary careers. We will be working with a local veterinarian to learn more about this industry. Animals of all sizes will be studied including horses, cattle, dogs, cats, and other companion animals. (This is not an NCAA Science Course approved.)

NATURAL RESOURCES  AG66233
Grades 10-12  (0.5 Credit)
Students will explore the uses and management of Wisconsin's vast array of natural resources. You will learn how the uses of water, air, forests, soil, and wildlife are affected by our society. Local environmental issues will also be covered such as iron mining and frac sand mining among others. Field trips, hands-on labs, and speakers will also be featured in this course. (This is not an NCAA Science Course approved.)
**INTRO TO ART 9-12**  
*AR2171*  
**Grades 9-12**  
*(0.5 Credit)*  
*Must complete this course before any other art classes*  
This studio course is designed to be the foundation of all future art courses offered. Students will focus on the Elements of Art and the Principles of Design through various projects and mediums. Historical perspectives will be explored within projects and activities.

**ADVANCED DRAWING**  
*AR2291*  
**Grades 10-12**  
*(0.5 Credit)*  
*Pre-requisite: Intro to Art and passed Intro to Art with a C or better unless permission is given by instructor*  
This studio course is designed to give students the opportunity to develop and enhance drawing skills through a wide variety of projects and mediums. Composition, perspective and strengthening of drawing discipline through many different subjects from portraits to landscapes will be explored.

**PAINTING & PRINTMAKING 1**  
*AR2181*  
**Grades 10-12**  
*(0.5 Credit)*  
*Pre-requisite: Intro to Art*  
This studio course is designed for the student who wishes to learn the basics of painting and printmaking. Painting mediums include watercolor, tempera and acrylics. Printmaking includes rubber block, tempera and acrylics. The class will also view videos on the history of art and various cultures.

**PAINTING & PRINTMAKING 2**  
*AR2241*  
**Grades 10-12**  
*(0.5 Credit)*  
*Pre-requisite: Painting & Printmaking 1 with a grade of C or better or permission of the instructor and Intro to Art*  
This studio course prepares students for intensified studies in painting and printmaking as well as further developing the experiences acquired in Painting and Printmaking 1. The course is designed to give the student the opportunity to explore individuality.

**GRAPHIC DESIGN**  
*AR2211*  
**Grades 10-12**  
*(0.5 Credit)*  
*Pre-requisite: Intro to Art with a C or better unless permission is given by instructor*  
Graphic Design is for highly motivated students who are seriously interested in the study of graphic design and digital communication. This course encourages and expects creative and systematic investigation of formal and conceptual issues in the digital world. All students will develop a portfolio that demonstrates their understanding of the principles of design and typography along with basic understanding of the possibilities of Photoshop and Illustrator.

**CERAMICS AND SCULPTURE 1**  
*AR2191*  
**Grades 9-12**  
*(0.5 Credit)*  
*Pre-requisite: Intro to Art*  
In this studio course, students learn to make hand-built pottery by rolling coils, and slabs of clay. Students will learn to use the potters wheel as well as create sculptures and keep an artists' journal. Design principles are stressed in the glazing and firing of the ceramic work.

**CERAMICS AND SCULPTURE 2**  
*AR2221*  
**Grades 10-12**  
*(0.5 Credit)*  
*Pre-requisite: Ceramics and Sculpture 1*  
This course is designed to give students a chance to expand their base knowledge of ceramics and sculpture. Students will develop and refine their skills in the creation of hand-built and wheel-thrown pottery. Students will study artists, design principles and keep an artists' journal.

**ADVANCED CERAMICS AND SCULPTURE**  
*AR2231*  
**Grades 11-12**  
*(0.5 Credit)*  
*Pre-requisite: Ceramics and Sculpture 1 and 2*  
This course is designed to give advanced instruction in the area of ceramics and sculpture. Wheel-thrown pottery techniques will be stressed, and students will be encouraged to work independently on complex hand-built and wheel-thrown projects. Students will research important ceramic artists and studio techniques and keep an artists' journal.

**AP 2D STUDIO ART**  
*AR2500, AR2501, AR2502*  
**Grade 12**  
*(1.5 Credits)*  
*Pre-requisite: Introduction to Art, Painting and Printmaking 1 & 2, and Advanced Drawing. Recommended to take Advanced Art as well.*  
AP 2D Studio Art is for highly motivated students who are seriously interested in the study of art. This course encourages and expects creative and systematic investigation of formal and conceptual issues in drawing. All students will develop a portfolio that contains three sections: quality, concentration, and breadth. The body of work submitted for the portfolio can include art created prior to and outside of the AP Studio Art course. *There is a portfolio submission fee for which the student would be responsible.*

**ART INDEPENDENT STUDY– 2D/3D**  
*AR2011*  
**Grades 11-12**  
*(0.5 Credit)*  
*Independent study is for highly motivated students that are seriously interested in art or planning a career in art. Eligible students have successfully completed multiple art courses with a grade of A– or higher. Instructor approval/recommendation is also required. Student and instructor will collaboratively create a plan and set goals for projects. 2D will create a portfolio of work, enter an art contest/competition, and set up an art show.*
Business Education

KEYBOARDING APPLICATIONS BU9011
Grades 9-12 (0.5 Credit)
This course will provide thorough instruction in keyboarding essentials with an emphasis on speed and accuracy. Students will learn to format documents using Microsoft Word. In addition, students will be introduced to Google Docs and various Web 2.0 tools. Students will learn how to create blogs and podcasts. These skills are necessary in high school, college, and in the world of work. It is recommended that you take this course as early as possible in high school. ****Three WITC credits will be obtained upon completion of the course with a C or better. This is equivalent to taking Document Formatting and Keyboarding at WITC.

ADVANCED MICROSOFT WORD BU9012
Grades 10-12 (0.5 Credit)
Pre-requisite: Keyboarding Applications or passing the keyboarding proficiency test highly recommended.
Students will learn Advanced Microsoft Word features that would prepare them to take the Microsoft Word Specialist examination. Microsoft Corporation has developed a set of standardized, performance-based examinations that students can take to demonstrate their overall expertise with Microsoft Word. This will help a student differentiate himself/herself in the employment marketplace from those who are not Microsoft Office Specialist or Expert certified. This course will prepare students for school-related projects and continuing education. **** Three WITC credits will be obtained upon completion of the course with a C or better. This is equivalent to taking MS Word A, B and C at WITC.

MICROSOFT OFFICE AND PUBLICATIONS BU9013
Grades 10-12 (0.5 Credit)
This course is designed for students who would like to learn a variety of software. Students will have extensive exposure to Microsoft Office applications such as Access, Excel, PowerPoint, and Publisher. Students will create and integrate an assortment of documents including a desktop publishing simulation. **** Three WITC credits will be obtained upon completion of the course with a C or better. This is equivalent to taking Intro to MS Office, Power Point, Excel and Access at WITC.

WEB PAGE DESIGN BU9014
Grades 10-12, basic keyboarding skill required (0.5 Credit)
In this course, students will learn the development of web-design strategies and methods for creating graphics for the World Wide Web using the Adobe Design and Web Premium CS6. Students may have opportunities to create real websites for local businesses and school district employees. **** Three WITC credits will be obtained upon completion of the course with a C or better. This is equivalent to taking Dreamweaver at WITC.

INTRODUCTION TO BUSINESS/MARKETING BU9021
Grades 9-10 (0.5 Credit)
This introductory course will help students develop an understanding of how business affects everyone’s personal life. Students will learn about the economic system and its role in business, how private enterprise works, how businesses are organized, and the role government plays in business. Students will create their own companies, develop a business plan, and sell their products in class.

MARKETING BU9701
Grades 11-12 (0.5 Credit)
More jobs are related to marketing than any other career cluster in the United States. Marketing is a course for those students interested in exploring how products are developed, produced, promoted, and distributed. Topics covered include basic marketing and economic concepts, advertising and promotion, marketing research and price planning/strategies.

INTERNATIONAL BUSINESS BU9521
Grades 11-12 (0.5 Credit)
This course is designed to prepare students for the global business environment. Students will identify critical interpersonal skills for working relationships, develop communication skills, and describe business organizational and management procedures. Students will understand the cultural and social influences in business decision-making and the international trade environment. Economic and geographic influences will be discussed along with currency and currency exchange. Students will learn the many challenges that face a global economy.

BUSINESS MANAGEMENT BU9022
Grades 11-12 (0.5 Credit)
This course will provide a clear understanding of the characteristics, organization, operations, and management of business. It is aimed at students who want a solid foundation of the business world. Students will study leadership, team work, management functions: Planning, Organizing, Controlling, Implementing, Business Ethics, Social Responsibility, Human Resources and Financial Management. A junior achievement computer-based simulation is used and competition opportunities are available. **** Three WITC credits will be obtained upon completion of the course with a C or better. This is equivalent to taking Supervisory Management at WITC.

ACCOUNTING 1 & 2 BU9033 & BU9034
Grades 10-12 (1 Credit)
This is a two-semester course that teaches the elements of double entry accounting systems in sole proprietorships, partnerships, and corporations. Students will be introduced to both manual and automated accounting practices. The course concludes with an accounting simulation. This course is recommended for students who plan to study any aspect of business or marketing at the college level. **** Four WITC credits will be obtained upon completion of the course with a C or better. This is equivalent to taking Accounting Principles and Financial Accounting at WITC.
Business Education cont...

COLLEGE ACCOUNTING  BU9053 & BU9054
Grades 10-12  (1 Credit)
Pre-requisite: Accounting is required with a B or higher
Want to be challenged? Think you want to have a career in business or accounting? This is the course for you! Find out NOW what is takes to be an accountant and get a start on your college business courses! This is a two-term course taking students in-depth as they complete complex manual and computerized transactions. Topics covered in this class include financial statements, financial reporting, cost-volume profit analysis, accounting information systems, accounting for sales and inventory, time value of money/capital investments, accounting for fixed assets, accounting for long-term liabilities and equity, and statement of cash flows. (This pilot AP Accounting course is modeled under the Kansas State University. Ask a counselor or business teacher for more information.)

BUSINESS LAW  BU9661
Grades 11-12  (0.5 Credit)
This offering is designed to acquaint students with the basic legal principles relevant to their roles as citizens, consumers and employees. Content includes the sources of law, the court systems, criminal and civil law, rights and duties, basic elements of contracts, consumer protection, insurance, bailments, negotiable instruments, and employer-employee relations. Students will interpret laws through case studies. The culminating activity will be a mock trial with a student jury and a presiding judge. Students will take a field trip to the Barron County Courthouse, and a variety of legal experts will be brought into the class. This course is recommended for students who plan to study any aspect of business at the college level, for students pursuing a business career, or for those seeking a practical business and/or personal background. ****Three WITC credits will be obtained upon completion of the course with a C or better. This is equivalent to taking Business Law at WITC.

PERSONAL FINANCE  CT1000

Career and Technology Education

Grade 12  (0.5 Credit)
This personal finance course emphasizes wise decision-making in relation to the use of money within the family and society. The student will learn how to budget, maintain a checkbook and buy a car. They will also learn about banking services, investing, credit, identity theft, renting vs. buying a home, taxes, insurance, financial planning, and rights and responsibilities as a consumer. **** Three WITC credits will be obtained upon completion of the course with a C or better. This is equivalent to taking Personal Finance at WITC.

FRESHMAN SUCCESS  FR1104
Grade 9  (0.5 Credit)
This required course is designed to assist each individual student with developing an individualized long-term plan based on goals related to personal development, career planning, academic achievement and character development. Students will complete formal and informal assessments in order to better understand their own personality type, learning style, academic strengths, weaknesses and aptitudes. Students will use these results to develop a personal profile that will assist them with identifying career clusters best suited to their strengths and interests. Assessment results will also be used to develop an appropriate path through high school that will prepare them for their post-secondary goal. Students can expect to participate in a variety of formal and informal assessments, use assessment results to develop a personal profile, develop a relevant path through high school, tour/visit college classes, and shadow one or more careers of interest.

INTERNSHIP  CT4000
Grades 11-12  (0.5 Credit)
Ever wonder if the career you are considering for the rest of your life is right for you? Consider taking an internship. The Internship program will provide students with a chance for hands-on career exploration in a field(s) of their choice. During this course the student will use or observe the knowledge he/she has learned in courses of study at Rice Lake High School. Students will observe daily operations, dialogue with personnel, gain an understanding of how the particular career functions within a total organization, and participate in and contribute to the functions of the organization. This capstone course is open to junior and senior students. Students who sign up for this course must fill out an application and go through an interview process. Attendance, discipline records, teacher recommendations, and counselor recommendations are required for all interns. Internships are conducted during a scheduled hour or outside the school day with no compensation.

CTE Co-op  CT3001 & CT3002
Grades 12  (1.0 Credit)
Co-op is a course that is designed to give students a learning experience that correlates in school instruction with on-the-job work-based learning that relates to the students’ career objectives. Students will explore and learn employability and career skills such as career assessment, college admissions requirements, resume writing, goal setting, job interviewing, safe work habits and teamwork. Students will also become actively involved in an enterprise where they will form a business, design a product, and manufacture and market the product. Students will receive one credit for the classroom and a quarter credit for each quarter on-the-job work experience. Students in Co-op may be released from school 4th period for the work experience part of the class.
Course Descriptions

English

9th Grade Courses

ENGLISH 9 EN0142 & EN0143
Two Terms (1 Credit)
Students learn through reading, writing, listening and speaking, using a variety of strategies, including research. Partner and small group work as well as individual study will provide opportunities for learning. Units of study will include short stories, poetry, drama, novels, mythology, and informational texts.

ADVANCED ENGLISH 9 EN0144 & EN0145
Two Terms (1 Credit)
This course is designed for students who want to be challenged with an accelerated pace and in-depth study of literature, language, and composition. Students who plan to pursue Advanced Placement courses later in high school should strongly consider this course.

10th Grade Courses

ENGLISH 10 EN0146 & EN0147
Two Terms (1 Credit)
Students will continue to expand skills from English 9, enhancing their reading, writing, listening, researching, and speaking abilities. Partner and small group work as well as individual study will provide learning opportunities. Students will continue developing college and career readiness through a study of American Literature.

ADVANCED ENGLISH 10 EN0148 & EN0149
Two Terms (1 Credit)
This course is designed for students who want to be challenged with an accelerated pace and in-depth study of literature, language, and composition. Students who plan to pursue Advanced Placement courses later in high school should strongly consider this course.

11th & 12th Grade Courses

BRITISH LITERATURE EN0311
Offered even-numbered years (0.5 Credit)
Students will explore the rich tradition of British Literature, ranging from Anglo-Saxon warriors through Chaucer and Shakespeare to the present day. Class activities include reading, interpreting a variety of literary forms, developing a portfolio, and practicing effective public speaking techniques. Next offered in 2017-2018

CONTEMPORARY LITERATURE EN0361
Offered odd-numbered years (0.5 Credit)
Contemporary Literature is for students who like to read and talk about recently published literature that deals with timely issues affecting students’ lives. It operates on the premise that literature spurs us into reflecting on our own world, making use of what are called “essential questions” that make literature serve the “real world,” not the other way around. Students will read 5 contemporary novels as well as short stories. Racial prejudice, mental illness, the confusion of youth, war, and coming of age are some of the topics explored. Balanced literacy practices drive this course where students are encouraged to own their learning. Student choice novels and stories empower learning. This course is not NCAA approved. Next offered in 2016-2017

CREATIVE WRITING EN0341
Offered even-numbered years (0.5 Credit)
This is an advanced writing course for students who would like to write stories, poems, informal essays, and plays; to become keen observers; to express observations in creative written forms; to adhere to standards for high levels of writing skills; to develop individual writing styles. Students must be willing to share their ideas and writing with the group for study and critique. Next offered in 2017-2018

PERSONAL COMPOSITION EN0471
Offered every year (0.5 Credit)
Personal Composition is an elective course that focuses on the discovery and application of the individual writing process from prewriting through revision and publishing. This course begins examining paragraph structure and then moves through the personal essay, the 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 in sentence combining, grammar, usage, punctuation, and editing. Vocabulary study is also incorporated.

A LITERARY STUDY OF THEATRE EN0351
Offered even-numbered years (0.5 Credit)
Students will read, analyze, and perform both historical and modern works of drama. Units will include Greek Origins, Shakespeare, and Contemporary styles. There will also be a unit of development which focuses on script analysis, acting abilities, and fundamentals of design. Next offered in 2017-2018

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Course Descriptions

11th & 12th Grade Courses

**MYTHOLOGY** EN0331
Offered every year (0.5 Credit)
Mythological stories will be the foundation for teaching literary analysis in this one-term course. Using the survey approach, students will examine Animal Masters, the Great Goddess, the Heroes, Arthurian legend, and more recent mythologies. A series of themed writing assignments will provide the personal and in-depth component to the course.

**RESEARCH & COMPOSITION** EN0451
Offered every year (0.5 Credit)
This course teaches students two techniques: how to research a topic and how to write a research paper. Students will learn to develop a strong thesis statement and defend it. Students will choose debatable topics to write research projects varying in length, including one major research paper. Students will also defend their point of view in a presentation, citing sources to support their thesis. This course is designed to prepare students for college-level writing.

**SPEECH COMMUNICATION** EN0411
Offered in odd-numbered years (0.5 Credit)
During this course, students will develop sophisticated outlining strategies and advanced researching skills to prepare speeches. Speech Communication students will complete in-depth studies of the communication process and persuasion. Other speech types will include informative, eulogies, demonstration, impromptu, commemorative, and speeches of acceptance. 
Next offered in 2016-2017

**TECHNICAL READING** EN0461
Offered in odd-numbered years (0.5 Credit)
Students will develop reading skills needed to understand and analyze structures of non-fiction used in the job market and in post-secondary careers. This course is not NCAA approved.
Next offered in 2016-2017

**TECHNICAL WRITING** EN0462
Offered in even-numbered years (0.5 Credit)
Students will develop essential writing skills used in job markets and in post-secondary careers. Skills include summarizing, paraphrasing, and persuasive writing in various formats, incorporating standard language rules. This course is not NCAA approved
Next offered in 2017-2018

WORLD LITERATURE EN0321
Offered in odd-numbered years (0.5 Credit)
Students may read important works from Africa, the Americas, Asia, Australia, and Europe. This course includes individual and group work involving discussing, analyzing, speaking, and writing about poetry, short stories, drama, and novels. A literary portfolio project will help the student create an understanding of world literary traditions. Next offered in 2016-2017

AP ENGLISH LANGUAGE & COMPOSITION EN0443 & EN0444
Offered in odd-numbered years (1 Credit)
This two-term course is designed to replicate a college composition course, and to create informed citizens who communicate clearly, cogently, and persuasively for a variety of purposes in their professional and personal lives. Reading non-fiction from a variety of time periods, genres, and perspectives will allow students to see the nuance of rhetoric from diverse authors. Students will gain authority and confidence in writing by taking risks, discussing texts and the writing process, and allowing the content, purpose, and audience to direct their writing. Students will create a sustainable argument by forming an opinion, analyzing and synthesizing sources, sharing, and revising their writing. Students will excerpt information from primary and secondary sources.
Upon the completion of this course, students may choose to take the AP Language and Composition Exam. A satisfactory score on this exam may allow students to test out of or earn credit for a general college English class. Students should check the policies of the university they plan to attend regarding AP course and exams. Next offered in 2016-2017

AP ENGLISH LITERATURE & COMPOSITION EN0441 & EN0442
Offered in even-numbered years (1 Credit)
This course is designed primarily to prepare students for the rigorous demands of the Advanced Placement English Literature and Composition Exam given in the spring. Students who take this course should anticipate college-level work. Students will read and analyze challenging poetry, fiction, nonfiction and drama and will write interpretive, analytical, and critical essays in response to this literature. Examples of previous exams will be analyzed as well. Regardless of whether or not students elect to take this examination, the students will have the opportunity to develop advanced skills in reading and writing that should be of significant benefit in college.
Upon the completion of this course, students may choose to take the AP Literature and Composition Exam. A satisfactory score on this exam may allow students to test out of or earn credit for a general college English class. Students should check the policies of the university they plan to attend regarding AP course and exams. Next offered 2017-2018
INTRODUCTION TO FOODS AND FINANCE  FC7011
Grades 9-12  (0.5 Credit)
This is an introductory course for the student who is interested in learning skills necessary for food preparation. These skills will be applied through basic food preparation and a food service simulation. Through this simulation, students will also learn basic employability skills (job application, resume writing and interviewing).

INTRODUCTION TO FASHION AND DESIGN  FC7012
Grades 9-12  (0.5 Credit)
This is an introductory course for the student who is interested in developing an understanding of clothing and construction, fashion and design, and interior decorating.

CLOTHING AND TEXTILES  FC7041
Grades 10-12  (0.5 Credit)
Pre-requisite: Earn a grade of C or above in Intro to Fashion & Design course, or instructor approval.
This is a course for the student who is interested in clothing construction and care. Students can select fabric and patterns for clothing and projects of their choice.

CULINARY ARTS  FC7101
Grades 10-12  (0.5 Credit)
Pre-requisite: Foods for Teens
This course will help students expand their food preparation knowledge and skills in creative methods of food preparation. Included is a study of herbs and spices, garnishes, food presentation, meal planning, foreign foods, and ServSafe food handling practices in preparation for a career in Food Service, Hospitality or related occupations.

PARENT AND CHILD  FC7091
Grades 10-12  (0.5 Credit)
This course emphasizes the responsibilities of parenthood through a “Real Care Baby” simulation activity. Students will gain information about growth and development from conception through early childhood. Special interest topics will include safety, monitoring TV, food and toys.

HOBBIES FOR LIFE  FC7081
Grades 10-12  (0.5 Credit)
Let your creativity run wild as you explore current trends in crafting. Discover card-making, tie dye, quilting, beading, scrapbooking, and much more. Experience activities that will help you provide a healthy balance in your life. Local craftsmen will share their time and talents. Course fee required.

FOODS FOR TEENS  FC7031
Grades 10-12  (0.5 Credit)
This course is for the student who wants to learn intermediate food preparation knowledge and skills. Included in the course of study are food habits, nutrition and food careers. Foods prepared will include pastry, quick breads, yeast breads, fruits, vegetables, casseroles, and soups.
FAMILY WELLNESS IN THE 21st CENTURY
FC7061
Grade 12 (0.5 Credit)
This is an elective course designed for all seniors who want to investigate individual and family wellness issues. Topics include the following: relationships, marriage, healthy lifestyles, family crises, stress management, death and dying, and more.

FAMILY AND CONSUMER EDUCATION CO-OP
CT301 & CT3002
Grade 12 (1.0 Credit)
See CTE Co-op pg. 29

INDEPENDENT STUDY IN FAMILY & CONSUMER ED
FCE-IS
Grades 11-12 (0.5 Credit)
Pre-requisite: Student must complete prior course(s) in the field of study with instructor approval.
This course offers the student an opportunity to further pursue an area within the Family & Consumer Science field. Student-designed projects will need prior approval by the instructor and administration. Instructor and student will work together to create a contract for a desired grade and skills to be obtained through the completed projects.

HEALTH, Medical & Protective CAREERS
HC4262
Grades 10-12 (0.5 Credit)
The Health, Medical and Protective Service Careers course is designed to introduce students to the many careers available in these fields. This is accomplished through class assignments, lectures, career videos, computer research, community guest speakers, and tours of area health, medical and protective service facilities. During the class, a semester project will include an in-depth student research project and discovery of a potential future career option. Students may, and are encouraged to job shadow a potential career option during the term. The course also includes a CPR (cardiopulmonary resuscitation) and first-aid unit. Upon successful completion of the required course objectives, the student will be certified through the American Red Cross.
Mathematics

The typical sequence of courses is Algebra I, Geometry, Algebra II, Advanced Math, and AP Calculus. AP Statistics 1 and AP Statistics 2 can be taken after completion of Algebra II. Students who plan on attending a technical college should check the requirements for programs in which they are interested. Students who did not take Algebra I in eighth grade, but who plan to take AP Calculus, will need to take two math courses in the same year. Students taking two different math classes in the same year should follow the sequence of courses and the pre-requisites for each course.

The math department recommends students take at least one math course each year in preparation for college and/or technical college. Most colleges and universities require that high school students complete Algebra I, Geometry, and Algebra II for admission.

Students will need a scientific calculator for all math courses. In addition, students in Advanced Math, AP Calculus and Statistics will need a TI-84 graphing calculator. It is recommended that students planning to pursue continued education beyond high school earn at least a C in their math courses before advancing to the next course. Students must pass the first term of any math course to continue on to the second term. Students must pass all pre-requisite courses to take a course. It is recommended students who fail the second term of a two term math class, retake both terms.

**PRE-ALGEBRA MA3521 & MA3522**
Grade 9-12 (1 Credit)
Pre-requisite: 8th grade Math or teacher recommendation
This course covers beginning topics of Algebra, Geometry, and Statistics including fractions, patterns, number theory, properties of equality and inequality, data analysis, probability, and measurement. This course will strengthen skills necessary for Algebra.

**ALGEBRA 1 MA3171 & MA3172**
Grades 9-12 (1 Credit)
Pre-requisite: 8th Grade Math or Pre-Algebra with a grade of C or above.
Algebra 1 topics center around the study of linear functions and real numbers: writing and solving linear equations and inequalities, graphing lines, working with polynomials, and exploring data analysis. Connections between mathematics and both the real world and other disciplines are emphasized.

**INTRODUCTORY GEOMETRY MA3613 & MA3614**
Grades 9-12
Pre-requisite: Algebra I
This course is designed for students who need to fulfill their high school graduation requirement in math but do not plan to attend a four-year college. This course includes topics of plane and solid figures, trigonometry, area and volume, constructions, coordinate geometry, and transformations. **Colleges requiring Geometry for acceptance will not count this course toward admission.**

**GEOMETRY MA3611 & MA3612**
Grades 9-12 (1 Credit)
Pre-requisite: Algebra 1 (grade of C or above), or successful completion of Introductory Geometry or math teacher recommendation.
In Geometry, students study plane and solid figures. The course includes the basic structure of geometry, formal proofs, trigonometry, area and volume, constructions, coordinate geometry and transformations. Algebraic skills are reviewed and strengthened in this course. Students planning to attend a 4-year college or university should take this course.

**ALGEBRA 2 MA3181 & MA3182**
Grades 10-12 (1 Credit)
Pre-requisite: Algebra 1 and Geometry (grade of C or above) or math teacher recommendation.
This course continues the study of real numbers and the fundamental operations of polynomials started in Algebra 1. Major topics include linear, quadratic, rational, and inverse functions, conic sections, and sequences and series, with an introduction to matrices, and logarithms.

**AP STATISTICS 1 MA3741**
Grades 10-12 (0.5 Credit)
Pre-requisite: Algebra 2 and Geometry (grade of C or above) or math teacher recommendation.
This is a one-term course and will include exploratory analysis of data, normal distributions, two-variable data, samples, experiments, simulations and probability. Students considering college majors in nursing, business, psychology, sociology, science-related fields, or mathematics are encouraged to take this course. **Students will be using a TI-84 calculator in this course.**

**AP STATISTICS 2 MA3742**
Grades 10-12 (0.5 Credit)
Pre-requisite: AP Statistics 1 (grade of C or above) or math teacher recommendation.
This is a one-term class that continues the study of the AP Statistics 1 course. The topics in AP Statistics 1 and AP Statistics 2 will cover the curriculum guidelines set by the College Board for AP Statistics. Topics will include producing models using probability theory and simulation, and statistical inference. With the successful completion of this course, students may receive college credits by attaining a satisfactory score on the Advanced Placement Statistics exam in May. Students should always check with their college regarding policy for Advanced Placement credits. **Students will be using a graphing calculator TI-84 for this course.**
Mathematics cont...

ADVANCED MATH MA3711 & MA3712
Grades 10-12 (1 Credit)
Pre-requisite: Algebra 2 (grade of C or above) or Math Teacher recommendation.
This course includes work in trigonometry, analytic geometry and college algebra. Topics covered include circular functions, trigonometry, vectors, polynomials, complex numbers, exponential and logarithmic functions, polar equations and parametric equations. This is a college-preparatory course, and upon successful completion, students should have sufficient background to proceed into a course in college calculus. Students will be using a TI-84 calculator in this course.

AP CALCULUS AB MA3721, MA3722 & MA3723
Grades 11-12, This is a three-term course (1.5 Credits)
Pre-requisite: Advanced Math (grade of C or above) or Math Teacher recommendation.
Calculus is one of the most important of all branches of mathematics and is considered a primary building block for most areas of science. It is required at the college level for virtually all math and science-related fields and many areas of business. This course will cover topics taught in a first semester college Calculus course. Topics include limits, derivatives and applications of derivative, and integrals and applications of integrals. Students will need a graphing calculator TI-84 for this course.
Upon completion of this course, students may test out of first semester college Calculus by attaining a satisfactory score on the Advanced Placement Calculus exam in May. Policies concerning acceptance of AP courses vary, so students should check with their university or college concerning their policies.

AP CALCULUS BC MA3743 & MA3744
Grade 11-12, This is a two-term course (1 Credit)
Pre-requisite: Advanced Placement Calculus AB
This course will cover topics taught in second semester college Calculus course. Topics include L’Hôpital Rule, trigonometric substitution, partial fractions, improper integrals, sequences, series, convergence tests, parametric, vector, and polar functions, conic sections, second-order differential equations and vectors in three dimensions. Students will need a graphing calculator TI-84 for this course.
Upon completion of this course, students may test out of first and second semester college Calculus by attaining a satisfactory score on the Advanced Placement Calculus exam in May. Policies concerning acceptance of AP courses vary, so students should check with their university or college concerning their policies.

GENERAL MUSIC MU2431
Grade 9-12 (0.5 Credit)
This is a nine-week course offered for all students who are interested in the history of popular music such as jazz and hip hop while reading about, discussing and analyzing music of different styles and cultures. Students will also explore the mechanics of beginning guitar while learning how to play.

WIND ENSEMBLE MU2871 & MU2872
Grades 11-12 (1.0 Credit)
Pre-requisite: Audition and/or consent of Director
All band members in Grades 11-12 sign up for this ensemble, which is a yearlong commitment. This group combines with the Wind Ensemble to form the Warrior Marching Band during 1st term, which performs at all home football games, pep assemblies, and several local parades. Rehearsals for the Warrior Marching Band begin in the summer. At the conclusion of the marching season, the bands split into two concert bands. The Symphonic Band performs five concerts yearly including Large Group Festival. The band also performs as a Pep Band at several athletic events each year. The combined Symphonic Band and Wind Ensemble also perform at graduation. Students must attend three lessons per quarter in addition to band rehearsals. Solo and ensemble study and assessment are expectations of all band members. Additional opportunities include jazz ensembles and jazz combos, which meet before school and pit band or renaissance ensembles every other year.

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**SYMPHONIC CHOIR**  
MU2471 & MU2472  
Grades 9-10  
(1 Credit)  
Pre-requisite: Audition and/or consent of director  
Vocal techniques, music theory and music history are included in the studies of this course. Students will learn the importance of their contribution in preparing performances and they will gain an appreciation of the process involved in creating musical excellence. Students perform in four concerts a year and participate in Large Group Music Festival. All choir students are encouraged to participate in the solo/ensemble festival, Rhythm Show Choir, and Voice-It-Up-Vocal Jazz (extra curricular).

**ROBED CHOIR**  
MU2913 & MU2914  
Grades 11-12  
(1 Credit)  
Pre-requisite: Audition and/or consent of director  
Vocal techniques, music theory and music history are included in the studies of this course. Robed Choir offers students an opportunity to engage in the performance and understanding of distinctive and challenging vocal literature in an enjoyable and encouraging environment. Students will learn the importance of their contribution in preparing performances and they will gain an appreciation of the process involved in creating musical excellence. Students perform in four concerts a year and participate in Large Group Music Festival. All choir students are encouraged to participate in the solo/ensemble festival, Rhythm Show Choir, and Voice-It-Up-Vocal Jazz (extra curricular).

**INTRODUCTION TO MUSIC THEORY**  
MU2441  
Grades 11-12  
(0.5 Credit)  
Pre-requisite: MUST be in Band or Choir  
This is a nine-week course for music students who are interested or planning on studying music in college. This class is college preparatory in nature and it is strongly recommended that students enroll with the expectation of a work load similar to a first year collegiate course. In this class, the study of music fundamentals will lead to chord analysis, composition, ear training and an understanding of all musical concepts.

**ADVANCED MUSIC THEORY**  
MU2452  
Grades 10-12  
(0.5 Credit)  
Pre-requisite: Intro to Music Theory and permission of instructor  
Advanced Music Theory will continue the study of music fundamentals, analysis, ear training and other important theory skills that will be needed in a college music theory class.

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**Band/Choir Students – Class Options**

Band and Choir students have the following class options for the 2016-2017 school year:

**Scenario 1** - Take both band and choir

These courses are offered in the same period on alternate days, so you would have no further adjustments to make to fill your schedule for that period.

**Scenario 2** – Take only band or only choir, but not both

The school offers the following classes opposite band and choir on an alternate day basis for you to complete your schedule on the days when you are not in band or choir:

- **Seniors** – Take at least two of the following 1 semester classes (one in each semester):
  - American Citizenship (semester 1)
  - Research and Composition (semester 2)
  - Study Hall (semester 1)
  - Study Hall (semester 2)

- **Juniors** – Take at least one of the following:
  - World History (all year)
  - Not required of all juniors – some will take AP European History instead of World History
  - Study Hall (all year)

- **Sophomores** – Take at least one of the following:
  - US History (all year - required of all sophomores)
  - English 10 (all year)
  - Not required of all sophomores – some will take Advanced English 10 instead of English 10
  - Study Hall (all year)

- **Freshmen** - Take at least one of the following:
  - Physical Science Chemistry and Physical Science Physics (required of all freshmen)
  - English 9 (all year)
  - Not required of all freshmen – some will take Advanced English 9 instead of English 9
  - Study Hall (all year)
Students will have a greater understanding of their personal preference towards physical activity, and have knowledge and skills to make informative decisions for their personal fitness for a lifetime. At the conclusion of P.E. 10, students will have worked on increasing efficiency in a variety of motor skills, and understand how to assess the skills they want to continue to pursue. During the semester, physical fitness will be emphasized. Fitness testing will be completed at the beginning and end of the semester. Individual, dual, team, and lifetime activities will be taught. The goal of PE 9 is to provide a knowledge base and practical experience in physical fitness, evaluate and improve performance of skills, and lay a foundation where persons can make informative decisions for their personal fitness for a lifetime.

This course gives the students the opportunity to learn fitness concepts, conditioning techniques and activities used for obtaining optimal physical fitness. Students will be able to identify the major muscles and the five areas of fitness. Throughout this course, the student will participate in several cardio vascular activities including: swimming, running, biking, rollerblading, cross-country skiing, snow-shoeing, water aerobics and kick-boxing. The students will develop and implement a personalized weight training program. Students will be able to develop positive behaviors in fitness, wellness and movement activity for a lifetime.

Students will experience enjoyment and fitness through playing team sports. They will explore a variety of games and sports in a team setting which they can pursue beyond their high school careers in an outdoor recreational setting. Students will understand and apply the rules, skills, and strategies to a variety of team sports. They will understand the principles of training, proper warm-up, and appropriate safety measures while respecting individual differences in a team setting. Go Team! Sports that are played: Ultimate Frisbee, Flag Football, Ultimate Football, Rugby, Soccer, Speedball, La Crosse, Field Hockey, Softball, Cage-ball, Nitro-ball, Capture the Flag, Soccer, and Tennis.
Physical Education cont...

**DUAL & INDIVIDUAL - WINTER**  PH4312  
Grades 11-12  
(0.5 Credit)  
This course provides students with an opportunity to increase their fitness level by participating in dual and individual sports. Units taught during this course include badminton, bowling, pickle ball, bounce volleyball, eclipse ball, kickboxing, roller skating, dual and individual basketball games, weightlifting, deck tennis, ice skating, and one-wall racquetball.

**OUTDOOR ADVENTURE - FALL & SPRING**  PH4316  
Grades 11-12  
(0.5 Credit)  
This course is offered in the fall and spring. The purpose of this course is to provide students with the opportunity to participate in and learn about different outdoor activities. The course will emphasize respect for the environment. The following units will be included in this course: canoeing, fishing, hook, line and thinker program, camping, life-saving, camp-stove building, and bird watching.

**OUTDOOR ADVENTURE - WINTER**  PH4315  
Grades 11-12  
(0.5 Credit)  
This course is offered in the winter. The purpose of this course is to provide students with the opportunity to learn and participate in different outdoor activities. The course will emphasize respect for the environment. The following units will be included in this course: survival (including debris and snow shelters), map and compass skills, wilderness first-aid, ice fishing, cross country-skiing, snow-shoeing, fire building, outdoor cooking, and knot-tying.

**GRADE 11-12 INDEPENDENT STUDY**  PE-15  
Grades 11-12  
(0.5 Credit)  
The purpose of this course is to provide the students with an opportunity to develop and complete their personal physical education program. Instructor approval-recommendation required.

The following courses do not count toward the 1.5 required Phy. Ed. Credits:

**SENIOR ASSISTANT**  PH4301  
Grade 12  
(0.5 Credit)  
Pre-requisite: Instructor’s approval  
This is a specialty course, scheduled as student’s time permits. Students who have successfully completed 1-1/2 credits in Phy. Ed. may assist the professional staff with regular classes. Activities include: assisting instructor with course activities, skill tests, officiating, and demonstrating and modeling appropriate skills/techniques to students. In addition, students will plan and develop a unit of instruction (in cooperation with staff) that includes both skills and unit tests and observing Phy. Ed. instruction in another class and/or at middle school or elementary level.

**ATHLETIC TRAINING**  PH4291  
Grades 11-12  
(0.5 Credit)  
The purpose of this course is to provide students the opportunity to learn about sports medicine and practice athletic training. Students will learn about human anatomy, treatment of athletic injuries, basic taping skills and identifying emergency situations and injuries during athletic competition. Classroom work includes working in the training room nine days during the term. Students can also work with sports medicine professionals during athletic contests. The student will also learn about sport psychology, research and liability issues. A schedule will be made and the students will sign up for the times they want. The class is an opportunity for students to learn about ways to prevent and treat injuries. This is also an excellent course for any health-related field.

Science

Students are required to take three terms (1.5 credits) of Introductory Science in the form of Pre-Chemistry, Pre-Physics, and Biology. Two of the integrated science classes, Pre-Chemistry and Pre-Physics are required during the freshmen year. The third, Biology, is also encouraged to be taken in the freshman year. If taking it at this point is not possible, it must be taken in the sophomore year. The additional one and one half credits for graduation are to be earned through elective credits during the sophomore, junior, or senior year.

**Introductory Sciences**

**PRE-CHEMISTRY**  SC4361  
Grade 9  
(0.5 Credit)  
The nature of matter (elements, compounds, mixtures), atomic theory, and the periodic table are integral to chemistry. This course looks at elements and their families, chemical bonding, solutions and chemical reactions.

**PRE-PHYSICS**  SC4362  
Grade 9  
(0.5 Credit)  
In this course, the metric system, graphing techniques, motion, forces, energy, and machines will be discussed. Other topics may include wave motion and sound.
Biology

SC4521
Grade 9 or 10
The environment of the world around us and the world inside of us are important topics in biology. This course will analyze the relationship between organisms and their surroundings as well as the structure, function and molecular organization of our cells.

AP Biology

SC4526, SC4527 & SC4528
Grades 11-12, offered odd-numbered years
Pre-requisite: B average or above in each of the following courses: Pre-Physics, Pre-Chemistry, Biology, and Chemistry. High achieving sophomores who are willing to take Chemistry concurrently may enroll with teacher approval.
This course is 3 terms and all students are encouraged to take the AP exam. To succeed in AP Biology students must be highly motivated to learn. Reading requirements for the course are rigorous and require a daily commitment in order to stay caught up in the class. Laboratory activities suggested by the College Board are conducted to give the student a fair representation of a university-level Biology course. We will use the textbook “AP Biology” 8th edition by Campbell and Reece. The 4 “big ideas” will be stressed: Evolution, Biological Systems, Living Systems and Interaction. Students taking the AP exam could earn credit for general college biology. Students should check the policies of the University they plan to attend regarding AP courses, labs and exams. Next offered in 2016-2017.

Meteorology - Earth Science

SC4531
Grades 10-12, offered in odd-numbered years
Is our climate changing? Is global warming fact or fiction? In this class, students will discover the answers to questions, as well as the societal and economic impacts of weather. The class will cover topics directly related to the student’s every-day experiences with weather such as: fronts, precipitation, weather forecasting, storms and storm chasing, clouds, seasons, humidity, wind and climatology. See if you can be the one who finally breaks “the code” on how to predict the weather. The main emphasis is to convey astronomical concepts in a visual, practical, and low-mathematical manner. This course is offered alternate years with Astronomy. Next offered in 2016-2017.

Natural Resources

AG6233
Grades 10-12
See Agriculture on page 26. This course is not an NCAA approved Science course.

VETERINARY SCIENCE

AG6301
Grades 10-12
See Agriculture on page 26. This course is not an NCAA approved Science course.

Astronomy - Earth Science

SC4532
Grades 10-12, offered in even-numbered years
The main emphasis is to convey astronomical concepts on a visual, practical, and low-mathematical manner. The course covers topics directly related to our every-day experiences with the sky and its offerings: constellations, stars, planets and their motion, moons, eclipses, satellites, history of the universe, extraterrestrial life, etc. This course is offered alternate years with Meteorology. Next offered 2017-2018

Aquatic Ecology

SC4462
Grades 11-12
Pre-requisite: Earn a grade of C or above in all previous biology courses or permission from the instructor.
Aquatic Ecology is the study of living and nonliving things and their interactions in an aquatic ecosystem. This class will follow three major areas of study:
The Mini-Ecosystem: Students will build their own aquatic ecosystem and monitor it weekly by observations, chemical tests and microscopic examinations. All data will be recorded in a journal format.
Research Paper: Students will research a local waterway of their choice. This includes a history, shoreline analysis, biological and chemical analysis. Note: There will be 3-5 field trips to various wetlands to learn how to do these tests.
Water Related Issues: This includes learning about various water-related issues (non-point source discharge, buffer zones, wetland ordinances, PCB/mercury problems, exotic species, etc.). There may be guest speakers and there will be a tour of the local wastewater treatment plant. This is an excellent class for a college-bound student, especially anyone interested in natural resources.

Kingdoms of Life

SC4523
Grades 10-12
There are 6 kingdoms of living organisms in our world. This class takes a look at what we, as humans, consider living and how these creatures change from the simple bacteria to the complicated mammal. We will be working with both preserved and living organisms as well as dissecting animal specimens. If you are interested in nature and the world around you, this class is for you.
ANATOMY & PHYSIOLOGY- BLUE AND GOLD

Pre-requisite: Earn a grade of C or above in biology course

Why do you sweat? Do you really have blue blood? How does a flu virus work and is your knee bone really connected to your thigh bone? Ever wonder how your body works and why it often does the things it does? If so, an Anatomy and Physiology class could be for you. These classes are appropriate for those looking into career areas of health, fitness, or those just interested in knowing how their body operates. Classes involve many laboratory experiences.

ANATOMY & PHYSIOLOGY- GOLD SC4473

Grades 10-12, offered in even-numbered years (0.5 Credit)
The circulatory, immune, digestive and respiratory systems are the main units discussed. First half of the term students will research and conduct an organ presentation and construct a 3-D model of that organ. Second half of the term, students will research an entire organ system within a group and develop an interactive lesson to present to 4th graders in the district. Some class time will be allotted for both projects. Next offered in 2017-2018

ANATOMY & PHYSIOLOGY- BLUE SC4472

Grades 10-12, offered in odd-numbered years (0.5 Credit)
The skeletal, muscular, nervous, and integumentary systems are the main units discussed. Students will construct their own replica of a human skeleton within a group. Once complete, students will then attach some of the main superficial muscles to their skeletons. Some class time will be allotted for this project. Next offered in 2016-2017.

PHYSICS

Pre-requisite: Algebra 2 or presently enrolled in Algebra 2

Physics is for those students who are interested in the "how" and "why" in the world around them, those going into any kind of engineering and those who are looking further to advance their problem-solving skills. It is important to also note that a lot of colleges, despite your major, will require general science courses some of which may be Physics.

Students may choose from either of the courses listed below.

Each course is one term and 0.5 credit. They do NOT have to be taken sequentially. In order to get a good background prior to post-secondary education and receive one full credit of physics, students should try to take both terms of physics.

CONCEPTUAL PHYSICS 1: MECHANICS & DYNAMICS SC4674

Grades 10-12 (0.5 Credit)

Physics is the science which deals with matter and motion. This course involves an in-depth study of motion, forces, momentum and energy. These concepts will be looked at conceptually, graphically and analytically. Emphasis will be on theory, problem-solving, laboratory procedure and computer analysis of data collected during lab experiments. Real life applications of physics along with in-class projects will provide students with a better understanding of the world around them.

AP PHYSICS 2 2 terms SC4725 & SC4726

Grades 10-12, offered even numbered years (1 Credit)

Pre-requisite: B average in Advanced Math or Concurrently taking Advanced Math. In some occasions Physics/Math teacher recommendation. It is strongly recommended that any student planning to take AP Physics shall take Conceptual Physics 1 as a prerequisite.

AP ANATOMY & PHYSIOLOGY - BLUE AND GOLD

AP PHYSICS 1 2 terms SC4720 & SC4721

Grades 10-12, offered even numbered years (1 Credit)

Pre-requisite: B average in Advanced Math or Concurrently taking Advanced Math. In some occasions Physics/Math teacher recommendation. It is strongly recommended that any student planning to take AP Physics shall take Conceptual Physics 1 as a prerequisite.

AP PHYSICS 2 2 terms SC4725 & SC4726

Grades 10-12, offered even numbered years (1 Credit)

Pre-requisite: B average in Advanced Math or Concurrently taking Advanced Math. In some occasions Physics/Math teacher recommendation. Students taking AP Physics 2 MUST take either AP PHYSICS 1 or Conceptual Physics 1 as a prerequisite.

AP PHYSICS 2 is a two-term course that is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. Understanding of the basic principles involved and the ability to apply these principles in the solution of problems will be the major goals of the course. The course will utilize guided inquiry and student-centered learning to foster the development of critical-thinking skills. Students taking this course need to be highly motivated and be prepared to devote the time necessary to be successful like any other AP course.

The AP Physics 1 course will also include a hands-on laboratory component comparable to introductory college-level physics laboratories. The emphasis will be on inquiry-based investigations that provide students with opportunities to apply the science practices. Upon the completion of this course, students may choose to take the AP Physics 1 Exam. A satisfactory score on this exam may allow students to test out of or earn credit for a general college physics class. Students should check the policies of the university they plan to attend regarding AP course and exams. Next offered in 2017-2018
Science cont...

AP CHEMISTRY  SC4493, SC4494 & SC4495
Grades 11-12  (1.5 Credits)
Pre-requisite: B average or above in each of the following courses: Chemistry and Algebra 2
The Advanced Placement (AP) Chemistry course is a three-term course designed to be the equivalent of the general chemistry course taken during the first college year. Students will be studying topics that are included in a general college chemistry course at a level appropriate to such a course. These include: atomic structure, bonding and molecules, stoichiometry, kinetic molecular theory, equilibrium, and thermodynamics. It is essential that students entering this course have excellent algebraic skills.
Upon completion of the course, students could choose to take the Advanced Placement Chemistry Exam. A satisfactory score on this exam may allow students to test out of or earn credit for general college chemistry. Students should check the policies of the university they plan to attend regarding AP courses and exams.

BIOTECHNOLOGY  SC4501
Grades 10-12  (0.5 Credit)
Pre-requisite: C average or above in Biology course
Biotechnology is defined as “the use of biological processes to solve problems, make a product, and improve the quality of life.” During this course students will study the use of living cells to grow replacement parts, clone organisms, and assist with reproductive technology. Students will learn about DNA, how it programs for characteristics, and how manipulation of this DNA is used to produce living things with qualities desired by humans. Lab work includes fermentation, bacteriology, tissue culturing, protein isolation, gene transfer, and DNA fingerprinting. Students planning careers in health, food, animal or criminal science will find this course valuable.

Social Studies

Required Courses

U.S. HISTORY 9  SO5541
Grade 9  (0.5 Credit)
This course covers material from the Age of Discovery, through the settlement of the New World, the American Revolution, the Articles of Confederation and the Constitution, the growth of the United States, the development of Sectionalism, the Civil War, Reconstruction and Westward Expansion.

U.S. HISTORY 10  SO5321 & SO5322
Grade 10  (1 Credit)
This course begins with the study of Industrialization and Reform, Immigration and Expansionism and the War with Spain. Next are The Twenties, a Period of Social Change, and the Reaction of World War I, the Thirties and the Depression period leading to the Second World War. The Fifties are studied with a view to the problems created because of our involvement in Asia, The Korean War, The Sixties and Vietnam, noting American divisiveness. The rest of the course covers the Johnson, Nixon, Ford and Carter administrations and a look at the future.

WORLD HISTORY  SO5301 & SO5302
Grade 11  (1 Credit)
A required two-term class based upon themes from Ancient and Modern History. A special emphasis is placed on critical thinking, historical perspectives, political systems, economics and geography. Group work, discussion and improved writing skills are stressed in the class. Term 1 begins with Pre-Historic times with an emphasis on human development. This is followed by a study of early civilization and world religions. The term concludes with the classical civilization of the ancient Greeks and Romans. Term 2 begins with Renaissance, the Age of Discovery and global encounters and the development and impact on today’s global economy. The term concludes with the post-World War II world.
AP European History is accepted as a replacement for satisfying this graduation requirement.

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Social Problems SO5861
Grades 9-12 (0.5 Credit)
The study of social problems can help students relate to their society. This course provides a meaning for students in our rapidly changing world. This social problems class gives students an understanding of human relationships, and helps them play a more informed role as citizens in shaping their social environment. Sociologists emphasize the importance of looking critically at society in order to make changes that will improve social life. Some areas covered in the course are: Identifying social problems, Crime, Stress, Violence, Depression and Suicide, Social class structure in America, Social Mobility, Attitudes toward Minorities, Prejudice and Discrimination, Marriage and Divorce, Problems of Adolescence, Middle and Old Age, Child Abuse, and problems which arise as our population ages.

Current Problems SO5561
Grades 9-12 (0.5 Credit)
This elective course will be of special interest to those who enjoy a lively discussion of current events and politics. Students preparing for a post-secondary education, or those moving into the work force should possess knowledge of today’s current issues. We monitor the news paying particular attention to our current problems and actions taken by Congress and the President. A separate unit entitled: America’s War on Terrorism features an in-depth look at the global role of the United States including our military involvement in Iraq and Afghanistan. Global population trends are also studied, as well as issues related to resource and energy consumption. Other topics are addressed depending on student interest.

Electives

American Citizenship SO5522
Grade 12 (0.5 Credit)
Students taking the class will be expected to develop an understanding of citizenship, participation, the basic principles of government, and current issues in government. A major part of the class will be participation. Students will work together in small groups on a major research and participation project. The project is designed to provide students with an opportunity to display the skills they have learned during their social studies classes and apply them to a real life situation. The goal is to allow students to become active citizens in our community. Students will research, educate and attempt to solve problems that are of interest to them while gaining an understanding of what is happening in the community and what they can do to help. Students will also be required to keep a portfolio and a journal that records their progress in this project. At the conclusion of the project, there will be a presentation to the class and possibly to members of the community.

Psychology SO5661
Grades 11-12 (0.5 Credit)
Psychology is a Social Science Elective that studies human behavior and mental processes like thoughts, dreams and emotions. The study of Psychology will give you different perspectives of the world and the people in it, including a deeper understanding of yourself. Topics of study include the contemporary perspectives and influential thinkers in Psychology, Heredity and Environment, The Central Nervous System and the Senses, Consciousness, Motivation and Emotion, Personality and Psychological Disorders. Psychology is a popular elective in high school and an attractive and lucrative major in college. It is valuable to non-college bound students and good for any job setting today.

Economics SO5011
Grades 11-12 (0.5 Credit)
This social science is concerned with using our limited supply of resources to satisfy an unlimited number of wants. This involves the actions of countries, companies and individuals in determining what they want to do with what they have available to them. Topics studied include: types of business organizations, their role in society, demand and supply and price determination, the stock market, labor unions, money and banking, inflation and the business cycle, the government’s effect on the economy, other economic systems and foreign trade, consumer economics and problems facing our present economy.

Global Studies SO5121
Grades 9-12 (0.5 Credit)
Global Studies is an elective one-term class that examines history, society, and/or the geography of one or more regions of the world, such as Africa, Latin America, the former Soviet Union, Far East Asia, and the Middle East. It is the study of people, places and environment from a physical and cultural perspective. Students analyze and evaluate the connection between their local and global communities. Students develop spatial concepts and landscape analysis to examine human socialization and environmental consequences.

AP European History SO5901 & SO5902
Grades 11-12 (1 Credit)
Pre-requisites: US History 10 and/or Social Studies/English teacher recommendation
The content and procedures of this two-term course are equivalent to a college-level introductory course. Students will acquire knowledge of the basic events and movements that occurred in Europe during this time period (1450-present) through three major historical themes: Intellectual & Cultural, Political & Diplomatic, Social & Economic. Upon completion of the course, the student will develop:

1) an understanding of some of the principal themes in modern European history;
2) an ability to analyze historical evidence and historical interpretation;
3) an ability to express historical understanding in writing.

Students who pass the AP College Exam in May are able to earn college credit at most colleges. This course may be taken in place of World History to satisfy graduation requirements.
INTRODUCTION TO TRANSPORTATION  TE8200
Grades 9-12  (0.5 Credit)
This course will explore power and energy including introductory activities in the areas of past, current, and future methods of using power. It will also explore air, space, land, and water transportation from industrial application to private/mass application. Transportation systems which make up the modern industrial world will be studied including: materials handling, robotics, conveyor/assembly lines, vehicle design, computer simulation, pipelines, commercial transportation, as well as future needs and trends. No experience necessary; just a willingness to learn and a positive attitude!

POWER MECHANICS  TE8202
Grades 10-12  (0.5 Credit)
Pre-requisite: Introduction to Transportation
This is an entry-level small engines course. Students will learn the proper and safe use of hand and power tools to efficiently repair, troubleshoot, and rebuild small engines. The course also covers how to properly use and read precision measuring tools to assist in making correct engine diagnoses and repairs. This course provides students opportunities to gain knowledge and practical experience with two and four-cycle engines in preparation for everyday consumer life or for a career as a small engine mechanic.

AUTOMOTIVE ABC’S  TE8203
Grades 11-12, Grade 10 by instructor approval only  (0.5 Credit)
Automotive ABC’s is a course for everyone. This class will show you how to perform general maintenance on today’s cars and light trucks. Classroom and shop experiences include learning about the different systems of an automobile. Students will gain skills and knowledge regarding common problems associated with automotive maintenance. Maintenance tasks include proper methods to vehicle service such as changing oil, engine tune-ups, minor electrical tasks, brakes, and many other basic operations to help you save money and do it yourself. This course will also aid students who wish to pursue a career in the automotive field.

INDEPENDENT STUDY TRANSPORTATION / HMV (High Mileage Vehicle)  TE8261
Grades 11-12  (0.5 Credit)
Pre-requisite: Introduction to Transportation, Power Mechanics, & Automotive ABC’s
Students wishing to expand their engineering experience through designing, fabricating, testing and analyzing the next Rice Lake Super mileage vehicle should consider this course. Students can go in-depth in areas of aerodynamics, engine modifications, chassis designs, and problem solving. Students seeking post-secondary schooling in an engineering field would benefit from the experience of building a single passenger vehicle from scratch and competing against other schools from the Mid-West to see who can achieve the best fuel economy. This course is a direct application of science, technology, engineering and math.

Students seeking an independent study in a related transportation field will begin by writing a contract with the instructor. Students may choose one or more areas of interest. The work to be accomplished will entail a serious level of study beyond the depth of instruction covered in previous Technology Education classes. Students are responsible for providing the materials needed to see their project to completion.

INTRODUCTION TO MANUFACTURING  TE8250
Grade 9  (0.5 Credit)
This course is designed for anyone and everyone! Do you want to know how to safely use power tools? How to build your own projects? If so, then this is the course for you! Develop life-long skills by learning about the basics of Manufacturing and Production in this fun-filled class. Learn how to use power tools safely and effectively, and also learn about basic materials like wood, metal and plastics. In this class, students cut, drill, weld, bend and shape materials in order to create projects they can be proud of! This will be an action-packed course that will set the foundation of all the other courses offered in the manufacturing area here in the Rice Lake High School Technology Education Department.
WOOD PROCESSING TECHNOLOGY  TE8252
Grades 10-12  (0.5 Credit)
Pre-requisite: Intro to Manufacturing
If you enjoy working with wood and completing hands-on woodworking processes, this class will be of interest to you. This class will answer many questions about woodworking techniques and skills, and instill good woodworking habits you can use throughout your lifetime. Below is a list of some of the exciting experiences included in this course:

- Learn how to safely set up and operate several pieces of woodworking equipment including the table saw, jointer, planer-surfacer, sliding miter saw, router and more.
- Complete hands-on study experiences with wood joints, adhesives, abrasives, measurement and wood finishing.
- Work as a team with other students, to learn the basics of cabinet making as you construct a small cabinet.
- Design and construct woodworking projects.

FUNDAMENTALS OF MACHINING  TE8253
Grades 10-12  (0.5 Credit)
Pre-requisite: Intro to Manufacturing
Like working with your hands? Even more do you like working with machines? Better yet do you like computers working the machine for you? This course will have three main units of study:

- Manual Milling
- Manual Lathe
- CNC (Computer Numerical Control) Programming & Milling

Through these three units students will obtain a variety of machining skills by machining parts to assemble into a finished project. Students will learn to design and set tool paths along with writing computer programs. This course would be a great step for a student thinking about Machine Tool and Design or Industrial Maintenance as degrees in the manufacturing pathway after high school. Both WITC and CVTC offer Technical degrees in this pathway.

WELDING ONE: INTRODUCTION TO WELDING AND BLUE PRINT READING FOR WELDERS  TE8010
Grades 10-12  (0.5 Credit)
Pre-requisite: Intro to Manufacturing
This course will be a study of industrial blue prints with an emphasis placed on terminology, symbols, graphic description, and welding processes, including systems of measurement and industry standards. Throughout the course students will read plans and drawings used in industry. The second four weeks of class will involve an introduction to oxy-fuel welding, cutting and safety. Also, an introduction to the principles of gas tungsten arc welding (GTAW) setup, equipment, and safe use will be covered.

WELDING TWO: SHIELDED METAL ARC WELDING (SMAW)  TE8020
Grades 10-12  (0.5 Credit)
Pre-requisite: Welding One
The Shielded Metal Arc Welding course will use the Hobart Institute of Welding Technology Curriculum to cover entry level skills in Shielded Metal Arc Welding. Students will study Shielded Metal Arc Welding processes, equipment, and applications. Students will concentrate on the five essentials of Shielded Metal Arc Welding and their effects on the quality of welds including: Electrode Diameter, Current, Arc Length, Travel Speed and Electrode Angles. An emphasis will be placed on Welding Quality throughout the course.

WELDING THREE: GAS METAL ARC WELDING (GMAW)  TE8030
Grades 10-12  (0.5 Credit)
Pre-requisite: Welding Two
The Gas Metal Arc Welding course will use the Hobart Institute of Welding Technology Curriculum to cover entry level skills in Gas Metal Arc Welding. Students will study Gas Metal Arc Welding processes, equipment, and applications. Students will study how to correctly setup, adjust and shutdown the Gas Metal Arc Welding equipment and successfully perform minor maintenance. Students will concentrate on controlling wire feed speed, voltage, travel speed, wire stick out, proper positioning of the welding gun and safety. An emphasis will be placed on Welding Quality throughout the course.

WELDING FOUR: FLUX CORED ARC WELDING /OUT OF POSITION WELDING  TE8040
Grades 10-12  (0.5 Credit)
Pre-requisite: Welding Three
The Flux Cored Arc Welding/out of Position Welding Course will be an advanced course in which the student will learn how to weld Vertically using Flux Cored Wire. Students will concentrate on controlling wire feed speed, voltage, travel speed, wire stick out, proper positioning of the welding gun and safety. An emphasis will be placed on Welding Quality throughout the course.
### Technology and Engineering Education cont...

#### LIGHT BUILDING CONSTRUCTION **TE8254**
**Grades 10-12**
**(0.5 Credit)**

Pre-requisite: Intro to Manufacturing.
Are you thinking about a career in the construction field, or are you just interested in learning more about the basics of carpentry? This course is a great first step in either of those directions. Students will be able to get hands-on experience in the following areas: site layout and structure design, floor framing, wall framing, roof framing and finishing techniques. Students will learn to work in teams to build structures like yard sheds, playhouses, decks and doghouses to be sold to local customers or merchants. This course will be offered in the Fall and Spring to allow for work in an outside environment, in order to get as much real-life experience as possible.

#### HOME REPAIR BASICS **TE8255**
**Grades 10-12**
**(0.5 Credit)**

As future homeowners, you can benefit from the many basic topics that will be covered within this course. You will study and develop skills that will keep your home running effectively and may discover skills that may lead you to a career path. Some of the exciting topics included in this course are roofing and roof repair, electrical wiring, gutters, masonry, deck building, exterior wall coverings, hand and power tool use, door and window repair and installation, fasteners, paints and decorating, wall papering, water systems, waste disposal systems, home energy saving, and wood flooring.

#### INDEPENDENT STUDY MANUFACTURING **TE8291**
Welding TE8292 & Woods TE8293
**Grades 11-12**
**(0.5 Credit)**

Pre-requisite: Two courses completed from the following: Metal Processing Technology, Wood Processing Technology or Light Building Construction.
Students begin by writing a contract with the instructor as to the independent study content area and student project. The project will need to be manufacturing based in one of the three areas listed above (Metals, Welding, or Woods). Students will choose an area of intent, in which the work should entail a serious level of study going beyond the depth of instruction covered in previous Technology Education classes.

### Communications

#### INTRODUCTION TO COMMUNICATIONS **TE8230**
**Grade 9**
**(0.5 Credit)**

Does screen-printing, digital audio, digital photography, 3D modeling and architectural design interest you? This class will introduce you to these areas, as well as allow you to complete other exciting activities in the areas of graphic communications and electronics. How about taking some readings on a GPS aimed at the satellites? These are just a few of the many activities that will connect you with communications in our world.

#### SOLID WORKS-3D MODELING **TE8232**
**Grades 10-12**
**(0.5 Credit)**

In this course, students will learn to create 3D models from technical drawings using Solidworks Software.
Basic drafting principles are introduced to help students understand blue prints and technical drawings. Isometric and Orthographic Projections drawings will be used to produce parts on a 3D printer.

#### APPLIED GRAPHICS **TE8233**
**Grades 10-12**
**(0.5 Credit)**

Pre-requisite: Intro to Communications
If creating designs and using ink to produce them is your thing, then this class is the one for you. Students will complete units in Typography, Screen Printing, Digital Photography and Offset Printing.
Students will use software to create designs for posters, covers, book marks, concert tickets, and business cards for local businesses. Designs are produced using an offset press, screen printer or inkjet printer. Lab activities include camera handling, composition, photo enhancement and printing. Students will use the following software in this class: Microsoft Publisher and Adobe Creative Suite 6. A bound portfolio of class assignments and daily journal will be produced for the student’s future use.
INDEPENDENT STUDY COMMUNICATIONS  
**TEB271**

*Grades 11-12*  
*(0.5 Credit)*

*Pre-requisite:* Multimedia Comm. and Graphics Communications  
*Lab Fee:* Pay for material/supplies used. Students begin by writing a contract with the instructor as to the independent study content area. Students may choose one or more areas of intent, in which the work should entail a serious level of study going beyond the depth of instruction covered in previous classes.

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APPLIED ENGINEERING  
**TE8283**

*Grades 11-12 in good to very good academic standing*  
*(0.5 Credit)*

*Pre-requisite:* A strong background in Math, Physics and Science is desirable for participation in this course. Are you considering being an engineer, mechanical designer or are you interested in other high-tech fields? This course is designed for that type of person; the critical thinker, problem solver and person who would welcome a tough challenge. Basics of engineering like sketching, design, prototyping and problem solving will be explored. Students will work as individuals, in small teams and as a large group to find innovative solutions to comprehensive and challenging problems, while learning and developing key skills to be successful in an engineering or related field. Students may also be involved in working with local industries in and around Rice Lake. Students will communicate with engineers to help solve problems and aid in product development.

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TECHNOLOGY EDUCATION CO-OP  
**Grade 12**  
*(1.0 credit)*

See CTE Co-op pg. 29

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IT ESSENTIALS: “HOW COMPUTERS WORK”  
**TE8234**

*Grades 11-12 in good academic standing*  
*(0.5 Credit)*

Do you want to get college credit while you’re still in high school? Are you interested in learning more about computers? Here’s an opportunity to explore how computers work, operating-systems software, and communicating between computers and peripherals. Students will complete several units of study through the CISCO systems corporation. *Computer Hardware, Computer Software, and Networking are the main focus for the IT Essentials course content. Along with the CISCO certification, students can earn two transcripted credits to any technical college in Wisconsin by successfully completing this course.*

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World Languages

FRENCH 1  LA2571 & LA2572  
Grades 9-12  (1 Credit)  
First-level French students learn the fundamentals of the language. Students are introduced to basic grammar constructions and strengthen their competency with reading, writing and speaking exercises. Instruction includes a view of French life through tapes, slides, filmstrips and films.

FRENCH 2  LA2581 & LA2582  
Grades 9-12  (1 Credit)  
Pre-requisite: French 1 credit or Instructor’s Approval  
Grammarical study is continued in depth with stress on irregular forms and variation of tenses. Reading, writing and speaking competency is increased through variation in sentence and tense construction. Exercises are given in oral and written drill. Instruction continues with a glimpse of French culture and everyday life in France through slides, filmstrips, tapes and films.

FRENCH 3  LA2591 & LA2592  
Grades 10-12  (1 Credit)  
Pre-requisite: French 2 credit or Instructor’s Approval  
Basic skills are reviewed with a continuation of building and refining skills and continued grammatical study. Emphasis is placed on independent reading and vocabulary building. Grammar and vocabulary are in oral and written drill with emphasis on a more sophisticated command of the language.

FRENCH 4  LA2601 & LA2602  
Grades 11-12  (1 Credit)  
Pre-requisite: French 3 credit or Instructor’s Approval  
More complex grammar structures are introduced, with emphasis on the literary forms, through the use of varied reading materials. Self-expression is encouraged and enhanced. A more in-depth exposure to French culture and history is included.

FRENCH 5  LA2603 & LA2604  
Grades 11-12  (1 Credit)  
Pre-requisite: French 4 credit or Instructor’s Approval  
Study of complex grammar structures continues through the venues of literature, composition and research. A special focus is placed on listening skills and advanced conversation. A more in-depth exposure to the culture and history of francophone communities is included. Successful completion of French 5 is required to continue coursework under Youth Options at UW-Barron County.

SPANISH 1  LA0201 & LA0202  
Grades 9-12  (1 Credit)  
Pre-requisite: Spanish 1 credit or Instructor’s Approval  
Students learn authentic language and culture through speaking, listening, reading and writing activities. Pair and small group work, along with multi-media instruction, provides language practice. Students participate in cultural celebrations, guided conversations, language activities, projects, skits, games, songs, dialogues and presentations.

SPANISH 2  LA0211 & LA0212  
Grades 9-12  (1 Credit)  
Pre-requisite: Spanish 1 credit or Instructor’s Approval  
Students continue to expand skills from level one, through authentic language and culture through speaking, listening, reading and writing. Pair and small group work, along with multi-media instruction, provides language practice. Students participate in communicative activities, grammar exercises, projects, skits, games, songs, dialogues and presentations.

SPANISH 3  LA0221 & LA0222  
Grades 10-12  (1 Credit)  
Pre-requisite: Spanish 2 credit or Instructor’s Approval  
With a greater focus on speaking proficiency, students continue to expand speaking, listening, reading and writing skills. Authentic language and culture, along with multi-media instruction, are used in pair and small group work to provide language practice. Students participate in cultural celebrations, conversations, language activities, projects, skits, games, songs, dialogues and presentations.

SPANISH 4  LA0231 & LA0232  
Grades 11-12  (1 Credit)  
Pre-requisite: Spanish 3 credit or Instructor’s Approval  
With a greater focus on using the language for personal expression, students continue to expand speaking, listening, reading and writing skills. Authentic language and culture, along with multi-media instruction, are used in pair and small group work to provide language practice. Students participate in cultural celebrations, guided discussions, language activities, projects, skits, games, songs, dialogues and presentations.

SPANISH 5  LA0233 & LA0234  
Grades 11-12  (1 Credit)  
Pre-requisite: Spanish 4 credit or Instructor’s Approval  
With a greater focus on advanced language use for personal expression, students expand speaking, listening, reading and writing skills. Authentic language and culture, along with multi-media instruction are used in pair and small group work to provide language practice. Students participate in cultural celebrations, discussions, language activities, projects, skits, games, songs, dialogues and presentations.
Courses Requiring Additional Instructor Approval

Independent Study
(for classes other than Tech Ed. Classes)

Grades 11-12

In order to take Independent Study for credit, you must:

1. Receive permission from the instructor of the department involved.
2. Write a detailed week-by-week plan for completion of the research project. (Ask for assistance from your advisor.) This must be signed by the instructor.
3. Submit your proposal to the principal by the date due (check scheduling bulletin) for review by a committee. You will then be notified of the project’s eligibility for credit (0.5 Credit).

Intervention Courses

BASIC MATH
Grades 9-12 with teacher recommendation
This course is designed for students with an Individual Education Plan. Most instruction is designed to match individual student IEP goals as well as post-secondary transition goals. Students will focus on functional math skills related to the concepts of time, money and measurement.

PRACTICAL MATH
Grades 9-12 with teacher recommendation
This course is designed for students with an Individual Education Plan and is a single term course that will focus on everyday math skills needed within our community. Topics include but are not limited to; part-time and full time employment, basic purchases, banking services, credit, auto expenses, taxes, linear measurement.

Transition Courses

INDEPENDENT LIVING SKILLS
Grades 9-12 with teacher recommendation
(0.5 Credit)
This class is designed to accommodate students with an Individual Education Plan and will include calendar usage, basic reading and math skills. A large amount of time is spent on the dog biscuit project which includes making the treats, decorating bags, counting and bagging the treats, product promotion, selling, delivery and money handling.

PRE- VOCATIONAL SKILLS
Grades 9-12 with teacher recommendation
This course is designed to accommodate students with an Individual Education Plan and provides an environment to learn basic job skills within small group or one-on-one support settings. Students will perform jobs such as recycling, making buttons, assemble sports programs, and a variety of custodial tasks.

WORK READINESS 1 AND 2
Grades 9-12 with teacher recommendation
This class is limited to students with an Individual Education Plan. Semester 1 will include self-awareness, career exploration, job seeking skills, communication and other social skills required for securing and maintaining employment. Tours of community resources and job sites of interest will be arranged. Semester 2 will include self-determination skills, continued social skills required for securing and maintaining employment, tours of community resources and job sites of interest, contributions to student e-portfolio, and initial development of a summary of their performances to enable students to be conversant about the functional limitations of their disabilities as they relate to the job. Semester 1 is not a pre-requisite for Semester 2. This course is intended for students not currently enrolled in the CO-OP program or the Transition-to-Work Experience Program. Permission of the instructor is requested.
Courses Requiring Additional Instructor Approval cont...

Transition Courses cont...

TRANSITION TO WORK—Goodwill—1  SEE INSTRUCTOR  
Grades 10-12 with teacher recommendation  
This course designed to accommodate students with an Individual Education Plan. This is a two-semester class taught at Goodwill. Enrollment is capped at a maximum of five students per school year. If students are interested in the class, they must contact the Work Experience teacher. Students will be exposed to the workplace setting, including the application/resume process, workplace rules and expectations, as well as workplace safety during the first three terms of the school year. If a student is successful in the classroom portion, during term 4 they will be given the opportunity to practice these skills in paid employment on the floor of Goodwill. The students will participate in a rotation of work stations with a mentor.

TRANSITION TO WORK—Goodwill—2  SEE INSTRUCTOR  
Grades 10-12 with teacher recommendation  
Pre-requisite: Transition to Work—Goodwill 1  
This course is designed to accommodate students with an Individual Education Plan. It is a two-semester class taught at Goodwill. Enrollment is capped at a maximum of five students per school year. If students are interested in the class, they must contact the Work Experience teacher. Students will continue to practice their workplace skills by participating in paid employment on the floor of Goodwill during the first three terms of the school year. During term four students will return to the classroom in the community room to reinforce and refine the skills observed while working.

WORK EXPERIENCE PROGRAM  SEE INSTRUCTOR  
Grades 10-12 with teacher recommendation  
Pre-requisite: Pre-Vocational Skills, Work Readiness and Passing all Classes.  
This class is designed to accommodate students with an Individual Education Plan. Students will receive credit, and they may be released during the school day. Students will learn work-related activities through hands-on experience in actual jobs. The job sites are both school- and community-based. There is the potential for students to be paid in some of the positions. Students will learn the importance of following directions, appropriate social skills, and self-advocacy through these placements. The students’ work schedule will be based on the employer needs, which may vary from work-site to work-site.

SOCIAL THINKING  SEE INSTRUCTOR  
Grades 9-12 with teacher recommendation  
This course will address not only social skills but will teach to the concept of “thinking social” which will address emotions, social behaviors, how to join a group, working within a group, working on developing friendships, understanding perspective taking, and a host of other communication intents. The course is designed to help students understand that their actions affect how others think and feel. Course content is visually supported in the form of Smart technologies and student use of computers/iPads.