Welcome to 2020-21
Rockford High School Registration

Dear Rockford High School Students and Parents:

Our course registration guide is a tool for families to plan for the next school year and beyond. The Rockford High School registration process begins in 8th grade and prepares students to graduate with the skills they need to prosper regardless of their next stop after RHS.

Rockford High School is excited to become the third magnet school in Rockford Area Schools. We partnered with five (5) fellow Northwest Suburban Integration School District (NWSISD) schools to apply for a Magnet School Assistance Program (MSAP) grant. Our staff was informed we were awarded the grant in October, 2018. Rockford High School has been an International Baccalaureate (IB) candidate school since May, 2019. Our staff has been working diligently to implement Middle Years Programming (MYP) in the 2019-20 school year. Additionally we are preparing for the implementation of the Diploma Programme (DP), and the Career-related Programme (CP). All of our students benefit from the increased access to technology (e.g., Chromebook carts), instructional supplies, and the professional development opportunities available to our staff.

Students have several options upon graduation, including attendance at a 2- or 4-year college or university, vocational training, military service, or entering into the workforce. Regardless of which path a student chooses, the process of preparation begins with course registration. As you are choosing courses, please center your thoughts around two critical questions:

1) What are the courses that I need to take in order to ensure that I meet the graduation requirements for my graduation class?
2) What are the courses that I should take in order to best prepare me to achieve the goals and dreams that I have for myself and my life after I leave Rockford High School?

Course planning is truly a team effort that involves parents, students and staff. The faculty and staff at Rockford High School look forward to assisting our students in their efforts to select the classes that will best support their academic goals. We feel that planning carefully now will serve students well in their future years at Rockford High School and in their post-secondary life.

Thank you for choosing Rockford High School, and we look forward to assisting you in making good, academic decisions that will set you on a path for future success.

Rockford High School Administration
How to Use This Guide

Terminology and Definitions

This Registration Guide is designed to help you and your parents select your courses for next school year. We use registration data to build our master schedule and hire and assign teachers. The guide explains which courses you need for graduation and when you need to take them. It will also help you choose courses to meet your goals after high school, whether you want to get a particular kind of job, go to college, or enlist in military service.

Prerequisite Course
Courses that students must pass before registering for another course or the next course in the sequence.

Required Course
Courses that every student must pass in order to graduate from Rockford High School.

Elective Course
A course students choose to take to fulfill the graduation requirements.

International Baccalaureate Diploma Programme
International Baccalaureate (IB) Diploma Programme is a rigorous, internationally-recognized program for 11th and 12th grade students. Students may earn college credit based on their scores from IB assessments. Please contact Matthew Scheidler, IB Administrator, at 763-477-5846 x3501 for more information.

DP SL Course: Diploma Programme Standard Level
A college level course requiring 150 hours of instruction (may be a one or two year course).

DP HL Course: Diploma Programme Higher Level
A college level course requiring 240 hours of instruction (is always a two year course).

Class Change Requests
Students are encouraged to plan programs carefully. Once the registration process is complete, class change requests are discouraged, and in some cases, not possible after the initial registration.
Online Course Selection for 2020-21 School Year

The registration Infinite Campus portal will be open from February 20-February 28, 2020. Students may select their courses online for 2020-21 following the directions listed below. For students who need assistance or do not have access to a computer at home, members of the Rockford High School guidance staff will be available on select days to assist them.

Online Student Course Selection Instructions

1) Go to the district website at www.rockford.k12.mn.us.
2) Click on the Infinite Campus Portal icon.
3) Enter Student’s Username and Password (use your school password).
4) The portal appears with the word “Registration” on the left hand side – Click on “Course Registration.”
5) Click “Course Search.”
6) Type in the course number and click “Go.”
7) Click the course name as it appears (course name will be underlined).
   - Please remember if the class is a year-long course, you will need to add both course numbers (example: MYP English 9 – 3000 & 3001).
8) Course appears with two choices: “Request This Course,” or “Request Alternate.”
   - Student elective courses are prioritized in the order they are selected.
   - Requesting a course as an alternate will not automatically register a student for that course, however it will be given consideration by guidance staff when filling schedules at a later date.
9) Click “Request This Course” – the course name appears under the Requested Courses column on the left.
10) Follow the above steps until all courses are entered (including courses that are “Alternate Requests”).
11) Print a copy of your Course Selections for your records, click “Print Request Summary” and then File-Print.
12) If a course number is entered in error, please click on the course name, and the “Delete” option will appear.
13) Remember to log off when finished.

*Your course choices matter. We are basing our schedule on student demand. Courses that do not have enough interest will not be offered during the 2020-21 school year.*
Minnesota Department of Education Graduation Requirements

Students complete the academic standards by taking a core course of study that equips them with the knowledge and skills they need for success in postsecondary education, highly skilled work, and civic life. In order to graduate, your child’s high school coursework must include at least the minimum state course credit requirements. A course credit is equivalent to a student successfully completing an academic year of study or mastering the subject matter, as determined by the local school district. Students must complete a minimum of 21.5 course credits as follows:

- **4 credits of language arts**
- **3 credits of mathematics**, including algebra, geometry, statistics and probability sufficient to satisfy the standards. Students in the graduating class of 2015 and beyond must complete an algebra II credit or its equivalent as part of the 3-credit requirement. In addition to the high school credits, students in the graduating class of 2015 and beyond must also complete an algebra credit by the end of eighth grade.
- **3 credits of science**, including a biology credit. In addition, students in the graduating class of 2015 and beyond must complete a chemistry, physics, or Career and Technical Education (CTE) credit as part of the 3-credit requirement. (The CTE credit must meet the standards underlying the chemistry or physics credit.)
- **3½ credits of social studies**, including U.S. history, geography, government and citizenship, world history and economics.
- **1 credit in the arts**
- **7 elective credits**

An agriculture course may fulfill a general science credit requirement. A CTE course may fulfill a general science, mathematics, or arts credit requirement. School districts may require additional course credits or other requirements for graduation beyond the minimum required by the state.
# Rockford High School Graduation Requirements

<table>
<thead>
<tr>
<th></th>
<th>CLASS OF 2021 (Grade 12)</th>
<th>CLASS OF 2022 (Grade 11)</th>
<th>CLASS OF 2023 (Grade 10)</th>
<th>CLASS OF 2024 (Grade 9)</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>9</td>
<td>8</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>Social Studies</td>
<td>8</td>
<td>7</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>Math (All students must complete Algebra II)</td>
<td>7</td>
<td>6</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Science (All students must complete Chemistry or Physics)</td>
<td>7</td>
<td>6</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Health</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Career &amp; Technical</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
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<tr>
<td>Electives</td>
<td>18</td>
<td>18</td>
<td>18</td>
<td>18</td>
</tr>
<tr>
<td>TOTALS</td>
<td>54</td>
<td>50</td>
<td>50</td>
<td>50</td>
</tr>
</tbody>
</table>

*It is the student’s responsibility to monitor their credits and transcript. If the student is not on track to graduate, they jeopardize participating in the graduation ceremony.

*Standard Core classes are full-year courses, and comparative College in the Schools (CIS) classes are semester courses. CIS courses will fulfill a full year requirement for a core class.

*Any students who open enroll to Rockford High School will begin coursework at the next marking period.

*Students must be within four (4) credits of their graduation requirement by end of their senior year to participate in commencement.

*Valedictorian and Salutatorian will be determined after semester one grades are finalized.
ONE OPPORTUNITY. LIMITLESS POSSIBILITIES.

If you want to play sports at an NCAA Division I or II school, start by registering for a Certification Account with the NCAA Eligibility Center at eligibilitycenter.org. If you want to play Division III sports or you aren’t sure where you want to compete, start by creating a Profile Page at eligibilitycenter.org.

ACADEMIC REQUIREMENTS
To play sports at a Division I or II school, you must graduate from high school, complete 16 NCAA-approved core courses, earn a minimum GPA and earn an ACT or SAT score that matches your core-course GPA.

CORE COURSES
Only courses that appear on your high school’s list of NCAA core courses will count toward the 16 core-course requirement; visit eligibilitycenter.org/courselist for a full list of your high school’s approved core courses. Complete 16 core courses in the following areas:

DIVISION I
Complete 10 NCAA core courses, including seven in English, math or natural/physical science, before your seventh semester.

- **ENGLISH**: 4 years
- **MATH** (Algebra I or higher): 3 years
- **NATURAL/PHYSICAL SCIENCE** (including one year of lab, if offered): 2 years
- **ADDITIONAL** (English, math or natural/physical science): 1 year
- **SOCIAL SCIENCE**: 2 years
- **ADDITIONAL COURSES** (Any area listed to the left, foreign language or comparative religion/philosophy): 4 years

DIVISION II

- **ENGLISH**: 3 years
- **MATH** (Algebra I or higher): 2 years
- **NATURAL/PHYSICAL SCIENCE** (including one year of lab, if offered): 2 years
- **ADDITIONAL** (English, math or natural/physical science): 3 years
- **SOCIAL SCIENCE**: 2 years
- **ADDITIONAL COURSES** (Any area listed to the left, foreign language or comparative religion/philosophy): 4 years

GRADE-POINT AVERAGE
The NCAA Eligibility Center calculates your grade-point average based only on the grades you earn in NCAA-approved core courses.
- DI requires a minimum 2.3 GPA.
- DII requires a minimum 2.2 GPA.

SLIDING SCALE
Divisions I and II use sliding scales to match test scores and GPAs to determine eligibility. The sliding scale balances your test score with your GPA. If you have a low test score, you need a higher GPA to be eligible. Find more information about test scores at ncaa.org/test-scores.

TEST SCORES
You may take the SAT or ACT an unlimited number of times before you enroll full time in college. Every time you register for the SAT or ACT, use the NCAA Eligibility Center code 9999 to send your scores directly to us from the testing agency. We accept official scores only from the ACT or SAT, and won’t use scores shown on your high school transcript. If you take either test more than once, the best subscore from different tests are used to give you the best possible score.
HIGH SCHOOL TIMELINE

9TH GRADE PLAN
- Start planning now! Take the right courses and earn the best grades possible.
- Find your high school’s list of NCAA-approved core courses at eligibilitycenter.org/courselist.
- Sign up for a free Profile Page at eligibilitycenter.org for information on NCAA requirements.

10TH GRADE REGISTER
- If you fall behind academically, ask your counselor for help finding approved courses you can take.
- Register for a Profile Page or Certification Account with the NCAA Eligibility Center at eligibilitycenter.org.
- Monitor your Eligibility Center account for next steps.
- At the end of the year, ask your counselor at each high school or program you attended to upload your official transcript to your NCAA Eligibility Center account.

11TH GRADE STUDY
- Check with your counselor to make sure you are on track to complete the required number of NCAA-approved courses and graduate on time with your class.
- Take the ACT or SAT and submit your scores to the NCAA Eligibility Center using code 9999.
- Ensure your sports participation information is correct in your Eligibility Center account.
- At the end of the year, ask your counselor at each high school or program you attended to upload your official transcript to your NCAA Eligibility Center account.

12TH GRADE GRADUATE
- Complete your final NCAA-approved core courses as you prepare for graduation.
- Take the ACT or SAT again, if necessary, and submit your scores to the NCAA Eligibility Center using code 9999.
- Request your final amateurism certification beginning April 1 (fall enrollees) or Oct. 1 (winter/spring enrollees) in your NCAA Eligibility Center account at eligibilitycenter.org.
- After you graduate, ask your counselor to upload your final official transcript with proof of graduation to your NCAA Eligibility Center account.
- Reminder: Only students on an NCAA Division I or II school’s institutional request list will receive a certification.

How to plan your high school courses to meet the 16 core-course requirement:

9TH GRADE
1. English
2. Math
3. Science
4. Social Science and/or additional
4 CORE COURSES

10TH GRADE
1. English
2. Math
3. Science
4. Social Science and/or additional
4 CORE COURSES

11TH GRADE
1. English
2. Math
3. Science
4. Social Science and/or additional
4 CORE COURSES

12TH GRADE
1. English
2. Math
3. Science
4. Social Science and/or additional
4 CORE COURSES

4 x 4 = 16

For more information: ncaa.org/playcollegesports | eligibilitycenter.org
Search Frequently Asked Questions: ncaa.org/studentfaq
Follow us: @NCAAECA | @playcollegesports | @ncaaec

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Rockford High School is a candidate school* for the International Baccalaureate Middle Years Programme/Diploma Programme/Career-related Programme and pursuing authorization as an IB World School.

IB World Schools share a common philosophy—a commitment to improve the teaching and learning of a diverse and inclusive community of students by delivering challenging, high quality programmes of international education that share a powerful vision.**

*Only schools authorized by the International Baccalaureate can offer any of its four academic programmes: the Primary Years Programme (PYP), the Middle Years Programme (MYP), the Diploma Programme (DP), or the Career-related Programme (CP). Candidate status gives no guarantee that authorization will be granted.

For further information about the IB and its programmes, visit www.ibo.org.

**Mission Statement from the IB

The International Baccalaureate aims to develop inquiring, knowledgeable and caring young people who help to create a better and more peaceful world through intercultural understanding and respect. To this end the organization works with schools, governments and international organization to develop challenging programmes of international education and rigorous assessment. These programmes encourage students across the world to become active, compassionate and lifelong learners who understand that other people, with their differences, can also be right.
How is the IB Middle Years Programme Unique?

We encourage international-mindedness in IB students, starting with a foundation in their own language and culture. Students have the opportunity to learn to communicate in a second language.

We encourage a positive attitude to learning by challenging students to solve problems, show creativity and resourcefulness, and participate actively in the communities.

We reflect real life by providing a framework that allows students to see the connections among the subjects themselves, and between the subjects and real issues.

We support the development of communication skills to encourage inquiry, understanding, language acquisition, and to allow student reflection and expression.

Through the learner profile, we emphasize the development of the whole student - physically, intellectually, emotionally and ethically.

Approaches to Learning

Approaches to learning skills are sets of strategies and techniques that are used to achieve a specific purpose. In the MYP, students develop skills that have relevance across the curriculum and help them "learn how to learn".

These skills are organized into the following categories:

- Communication
- Social
- Self-management
- Research
- Thinking

Personal Project

During the final year of the program, all students complete a Personal Project, a significant piece of work that is the product of the student's own initiative and creativity. Students apply the skills acquired throughout the program. Students are expected to choose their project, which can take many forms, and take the process through to completion under the supervision of a staff member.

Service in Action

The role of service in action in the MYP addresses the place and role of the student in communities - from the immediate family and school environment to the world at large. In the MYP, the qualities and motives of an act of service in action are considered more important than the act itself or the number of hours devoted to it. The idea of service in action is developed as an integral part of the program - present in the curriculum as well as in whole-school activities. Learning about one's role in the community starts with learning in the classroom based on the written curriculum, and leads to raising awareness that may lead to principled ACTION.


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### Grades 9-10

#### MYP: Course Sequencing

**MYP Programme Planning Worksheet**

*Rockford High School is a MYP Candidate School. Pending authorization, MYP projected options are for planning purposes only and are subject to change.*

<table>
<thead>
<tr>
<th>Subject</th>
<th>Grade 9</th>
<th>Subject</th>
<th>Grade 10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language &amp; Literature</td>
<td>MYP English 9</td>
<td>Language &amp; Literature</td>
<td>MYP English 10</td>
</tr>
<tr>
<td>Language Acquisition</td>
<td>Spanish 1</td>
<td>Language Acquisition</td>
<td>Spanish 2</td>
</tr>
<tr>
<td>Individuals &amp; Societies</td>
<td>MYP US History 9</td>
<td>Individuals &amp; Societies</td>
<td>MYP World History/Geography 10</td>
</tr>
<tr>
<td>Sciences</td>
<td>MYP Physics 9</td>
<td>Sciences</td>
<td>MYP Chemistry 10</td>
</tr>
<tr>
<td>Math</td>
<td>MYP Non-Linear Algebra or MYP Geometry</td>
<td>Math</td>
<td>MYP Geometry or Algebra 2 or Honors Algebra II</td>
</tr>
<tr>
<td>Physical &amp; Health Education</td>
<td>Physical Education</td>
<td>Physical &amp; Health Education</td>
<td>Health</td>
</tr>
<tr>
<td>Design Elective</td>
<td>1 elective from list</td>
<td>Design Elective</td>
<td>1 elective from list</td>
</tr>
<tr>
<td>Arts (Visual and Performing)</td>
<td>1 elective from list</td>
<td>Arts (Visual and Performing)</td>
<td>1 elective from list</td>
</tr>
<tr>
<td>Elective</td>
<td>1 elective class</td>
<td>Elective</td>
<td>1 elective class</td>
</tr>
</tbody>
</table>

*Beginning with the 2021-22 school year, Biology will be the required science class for 11th grade students. This change in course sequencing applies to students in the graduating class of 2023 and beyond.*
## Grades 11-12

### Diploma Programme: Course Sequencing

**Potential International Baccalaureate DP Programme Planning Worksheet**

*Rockford High School is a DP Candidate School. Pending authorization, DP projected options are for planning purposes only and are subject to change.*

<table>
<thead>
<tr>
<th>Subject</th>
<th>Grade 11</th>
<th>Grade 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group 1: Language &amp; Literature</td>
<td>IB Lang and Lit 11 HL Year 1 or IB Lang and Lit 11 SL Year 1</td>
<td>IB Lang and Lit 12 HL Year 2</td>
</tr>
<tr>
<td>Group 2: Language Acquisition</td>
<td>IB Spanish SL Year 1</td>
<td>IB Spanish SL Year 2</td>
</tr>
<tr>
<td>Group 3: Individuals &amp; Societies</td>
<td>IB History of Europe HL Year 1 or IB Economics SL</td>
<td>IB History of Europe HL Year 2 or IB Economics SL</td>
</tr>
<tr>
<td>Group 4: Sciences</td>
<td>IB Biology HL Year 1</td>
<td>IB Biology HL Year 2</td>
</tr>
<tr>
<td>Group 5: Mathematics</td>
<td>IB Applications &amp; Interpretations SL Year 1 or IB Applications &amp; Interpretations SL Year 2</td>
<td>IB Applications &amp; Interpretations SL Year 1 or IB Applications &amp; Interpretations 2</td>
</tr>
<tr>
<td>Theory of Knowledge</td>
<td>TOK 11</td>
<td>TOK 12</td>
</tr>
</tbody>
</table>

**Group 6: Full Diploma Programme students must take total of 3 HL & 3 SL courses and exams. Choose elective to meet this requirement based on your schedule (SL courses are usually 2 semesters and HL are 4 semesters) Options include:**

- IB Business Management SL
- IB Visual Arts HL Year 1
- IB Music HL Year 1
- IB Physics SL
- IB Film SL/HL

**Group 6: Full Diploma Programme students must take total of 3 HL & 3 SL courses and exams. Choose elective to meet this requirement based on your schedule (SL courses are usually 2 semesters and HL are 4 semesters) Options include:**

- IB Business Management SL
- IB Visual Arts HL Year 2
- IB Music HL Year 2
- IB Physics SL
- IB Film SL/HL

*Beginning with the 2021-22 school year, Biology will be the required science class for 11th grade students. This change in course sequencing applies to students in the graduating class of 2023 and beyond.*
Academic Support

For students to participate in AVID in their senior year, they must complete a full two years of AVID beginning with AVID 10.

AVID 9
# 0100, 0101
Grade: 9
2 Semesters/2 Credits
*Prerequisite: Application and Interview
The AVID or Advancement Via Individual Determination program is a whole school initiative intended to ensure four year college eligibility for all students, especially those least served in academia. In AVID 9, students are introduced to the WICOR or writing, inquiry, collaboration and reading processes. Students hone their study and critical thinking skills to begin their ascension into college level coursework with more rigorous curriculum.

AVID 10
# 0110, 0111
Grade: 10
2 Semesters/2 Credits
*Prerequisite: AVID 9
The AVID 10 course begins the second year of the Advancement Via Individual Determination curriculum, building on skills from their freshman year to make their path to college readiness a reality. Students will enhance their skills with WICOR incorporating more analysis of writing assignments using inquiry and collaboration as a means to establish critical thinking and reading skills.

AVID 11
# 0120, 0121
Grade: 11
2 Semesters/2 Credits
*Prerequisite: AVID 10
The AVID 11 course prepares students to be college and career ready. Students begin the process of researching and applying to colleges as well as continuing to develop skills based on the WICOR curriculum. They will analyze writing prompt and read selectively and with purpose in order to take focused notes and integrate sources into a written text, which are skills necessary for post-secondary success. Students will also be required to be enrolled in a more rigorous and college preparatory course(s) that is/are supported by the tutorial process.

AVID 12
# 0130, 0131
Grade: 12
2 Semesters/2 Credits
*Prerequisite: AVID 11
AVID 12 is the culmination of the program. Seniors continue to expand their critical literacy and writing skills as based on the WICOR curriculum. The focus of AVID 12 is to expand student’s overall writing skills to ensure they write with a high level of skill, maturity, and sophistication. Students will be required to apply for post-secondary financial aid using the FAFSA as well as complete a minimum of five post-secondary applications. The goal of AVID program is for students to leave Rockford High School college and career ready. They will have achieved this through the rigorous coursework of the AVID curriculum, supported by the tutorial process.

GUIDED STUDY
# 2030 (offered semester one)
# 2031 (offered semester two)
Grades: 9, 10, 11, 12
1 Semester/1 Credit
Guided Study is designed to provide academic support in the form of goal setting and weekly grade check-ins for RHS students. Students are expected to utilize this period of the day to help stay on task with assignments, projects, and tests from core and elective courses. Students will receive a Pass/Fail grade at the end of each semester. One semester will count as one elective credit. Students will be expected to follow the classroom rules. Cell phones are NOT allowed. Students are expected to power off cell phones during class time, complete a weekly goal sheet noting projects, exams and assignments to work on throughout each week. Attendance will be taken daily. Poor attendance could result in a failing grade. Sleeping is not acceptable during class. Sleeping during class could result in a failing grade.
**Performing Arts**

**VARSITY BAND**
# 4500, 4501  
Grades: 9, 10, 11, 12  
2 Semesters/2 Credits (full year commitment required)  
The Varsity Band is a non-auditioned ensemble made up of students in grades 9-12 that have an interest in continuing their studies on a wind or percussion instrument. Varsity Band performs three times during the school year as well as summer marching band. Lessons are required and are offered by private instructors as well as the high school band director. A yearly band manual is provided for all students which covers the details of varsity band. Varsity Band is a year-long class and students are expected to commit to the course for the entire school year.

**CONCERT BAND**  
# 4600, 4601  
Grades: 10, 11, 12  
2 Semesters/2 Credits (full year commitment required)  
The Concert Band is an auditioned ensemble made up of students in grades 10-12 that have an interest in continuing their studies on a wind or percussion instrument. Concert Band performs three main concerts during the school year. Concert Band also performs for Homecoming, Memorial Day, and several pep band dates. All performances are considered a part of the curriculum. Concert Band students also have the opportunity to perform at solo/ensemble contests, large group contests, and participate in jazz band as well as summer marching band. Concert Band is considered a year-long class and students are expected to commit to the course for the entire school year.  
*Chair placement is based on quality of audition.

**ROCKET CHOIR**  
# 4506, 4507  
Grades: 9, 10, 11, 12  
2 Semesters/2 Credits (full year commitment required)  
The Rocket Choir consists of students in grades 9-12 who exhibit the ability to match pitches with their voice, understand choral music, and have a basic understanding of music theory. The purpose of this choir is to prepare them to be better singers, to expose them to a high level of choral music, and to work heavily on proper vocal technique. Singers learn basic skills like sight-reading, pitch names, basic music theory, and small group singing. Singers work hard and have a good time singing while learning to apply proper vocal technique.

**CONCERT CHOIR**  
# 4606, 4607  
Grades: 10, 11, 12  
2 Semesters/2 Credits (full year commitment required)  
Concert Choir is an auditioned choir for students in grades 10-12 who seek a very challenging choral experience higher than that of Rocket Choir. Only those with advanced reading skills, a FULL YEAR COMMITMENT, and a proven positive work ethic will be allowed in this ensemble. This ensemble will rehearse, study and perform music of the highest quality literature from a wide variety of genres and cultures. Consistent attention and emphasis will be given to healthy vocal production and singing fundamentals. Students will work extensively on sight-singing skills and fundamentals of music theory. Musical and cultural history will be integrated into rehearsals, particularly as it applies to the literature rehearsed. Singers from this ensemble maintain a high level of excellence and find a good balance of hard work and achievement, concentration and enjoyment. Concert Choir tours biannually and represent RHS at state/national tours, state/conference contest and festivals and will perform many concerts per year.

**BELLE CANTO CHOIR**  
# 4610, 4611  
Grades: 10, 11, 12  
2 Semesters/2 Credits (full year commitment required)  
Belle Canto is a treble auditioned choir for students in grades 10-12 who seek a very challenging choral experience higher than that of Rocket Choir. Only those with advanced reading skills, a FULL YEAR COMMITMENT, and a proven positive work ethic will be allowed in this ensemble. This ensemble will rehearse, study and perform music of the highest quality literature from a wide variety of genres and cultures. Consistent attention and emphasis will be given to healthy vocal production and singing fundamentals. Students will work extensively on sight-singing skills and fundamentals of music theory. Musical and cultural history will be integrated into rehearsals, particularly as it applies to the literature rehearsed. Singers from this ensemble maintain a high level of excellence and find a good balance of hard work and achievement, concentration and enjoyment. Belle Canto tours biannually and represent RHS at state/national tours, state/conference contest and festivals and will perform many concerts per year.

**Facts:**  
- These courses can be used to satisfy the fine arts graduation requirements. Students are required to take band and choir for the full year.  
- **Students may participate in both band and choir.**
**Visual Arts**

**STYLE STUDIO**
# 4012  
Grades: 9, 10, 11, 12  
1 Semester/1 Credit  
Supply fee - TBD  

Students entering style studio will create multiple artworks to express ideas based in themes of human history. Students will analyze how the characteristics of styles, movements, and genres in human history contribute to the creation of each style of communication. Artifacts and art from many cultures and continents guide the process. By viewing, reading and reflecting, students gain understanding of meaning in presentation and response to art. A variety of media, materials, and techniques will be practiced including ceramic hand-built clay, Chinese brush painting, calligraphy, printmaking, and acrylic painting.

**DRAWING**  
# 4105  
Grades: 9, 10, 11, 12  
1 Semester/1 Credit  
Supply fee - TBD  

The drawing class is a studio study of the media and process of drawing. Using a variety of media from traditional charcoal and graphite to computer software such as Google Sketch Up and Adobe Illustrator. Students will be guided in the process of finding ideas, sharpening skills and learning to perceive. There is a focus on the three theories of drawing; imitational, formal, and emotional drawings. Students learn how to create expressive drawings, present and respond to these processes.

**PHOTOGRAPHY**  
# 4000  
Grades: 9, 10, 11, 12  
1 Semester/1 Credit  
Supply fee - TBD  

Students will capture images and explore key concepts of multimedia such as aesthetics, change, communication. Original expression of feeling, mood, and content through inquiry projects will help develop their personal vision as student media artists. Students will be learning to use elements and tools of current and emerging technologies to create and edit images including Adobe Creative product software. Connecting skills specific to the creative industry and discipline that engage a process of worthwhile exploration of ideas development in personal, cultural, and socially aware environment. The mind is open to contemplation while engaged in the work of painting using the creative process.

**PAINTING STUDIO**  
# 4110  
Grades: 10, 11, 12  
1 Semester/1 Credit  
Supply fee - TBD  

Each student is unique and it takes time to explore ideas in a complex world. Painting studio is intended to engage students in the process and practice of painting while experimenting with hands-on learning. Take this class to create original paintings in watercolor, acrylic, mixed media and engage in the process of worthwhile exploration of idea development in personal, cultural, and socially aware environment. The mind is open to contemplation while engaged in the work of painting using the creative process.

**AP ART AND DESIGN**  
# 4150, 4151  
Grades: 11, 12  
2 Semesters *Prerequisite: Drawing, Media Art Design, Style Studio  
(Weighted GPA)  
*by permission of instructor  
Supply fee - TBA; Advanced Placement test fee  

The AP course is a cooperative endeavor that assists high school students in completion of college level work. This course is foremost centered in the media art of photography and creating digitally edited photographs. Highly motivated students will integrate tools, materials, and techniques to create a portfolio of original 2D artwork and photographs. Photographic media uses properties of light, electronics, and optics in a hands on and experimental way. Daily practice using design thinking, process, discussion and critiques help students revise creative work based on artistic intent and multiple sources of feedback. All created works should demonstrate artistic growth and development. All portfolios are assessed by at least seven highly experienced studio art educators (AP Studio Art teachers or higher education faculty) who apply standard scoring criteria. Based upon their score, students may receive college credit at a college or university. Learning in the visual arts guides at this level produces a workflow and work ethic needed for a creative economy.
**Career & Technical Education (Design)**

These courses can be used to satisfy the CTE graduation requirement.

### Agriculture

**AGRI-BUSINESS**  
# 9500  
Grades: 10, 11, 12  
1 Semester/1 Credit; *Prerequisite: Animal Sciences I or Natural Resources  
This course will focus on the interaction of farmers, consumers, and society in regards to economics and agricultural production and management. Students will study the basics of supply, demand, price determination, world trade, public policy, and the economics of food safety. The economics of day-to-day living, saving and investing for the future, and the use of the stock market will also be included. These concepts will be taught using hands-on learning activities, market simulations, and interactive group scenarios.

**ANIMAL SCIENCES I**  
# 9510  
Grades: 9, 10, 11, 12  
1 Semester/1 Credit  
In this course, students will learn about the different uses for agricultural animals, the principles of genetics, and the biological technologies that are commonly used in the livestock industries. This is an excellent course for those interested in animals, genetics, scientific advances, or those wishing to earn a science credit. Units include animal by-products, livestock industries, cell formation, cell reproduction, genetics, and biotechnology.

**ANIMAL SCIENCES II**  
# 9511  
Grades: 10, 11, 12  
1 Semester/1 Credit (Offered EVEN years Fall 2020);  
*Prerequisite: Animal Sciences I  
Students will learn about how the organ systems of animals work together to help animals function properly. Students will also learn how scientific methods and technologies are used in animal reproduction today. This is an excellent course for those interested in animals, medical or science careers, or those wishing to earn a science credit. Units include basic anatomy and physiology of animal organ systems, scientific method, animal reproduction, biotechnology, and careers.

### Business

**COMPANION ANIMALS**  
# 9535  
Grades: 9, 10, 11, 12  
1 Semester/1 Credit  
*Prerequisite: Animal Sciences I  
This course will investigate scientific concepts relating to the care of companion animals. Students will study the nutrition, safety, training, health and general care of companion animals. The course will focus on dogs, cats, rabbits, birds, reptiles, guinea pigs, rodents and fish. Laboratory activities will provide opportunities for problem-solving through practical applications to learn scientific concepts. Application to current issues will also be explored. Students will also be expected to conduct an out-of-class experiential activity as part of the course. Leadership and Career Development opportunities for students through FFA will be present. This class is great for any student who owns a pet or is interested in a career with companion animals.

**FOOD SCIENCE**  
# 9522  
Grades: 10, 11, 12  
1 Semester/1 Credit  
Fee: TBA  
Food Science is designed to reinforce and enhance the student's knowledge of scientific principles and processes through the study of foods and nutrition. An in-depth understanding of science as it applies to foods will assist students with interest in career and technical education, to understand the food industry as well as food preparation in their daily lives. Whenever possible, students should be involved in hands-on laboratory activities which verify the scientific concepts presented.

**HORSE AND HORSEMANSHIP**  
# 9540  
Grades: 10, 11, 12  
1 Semester/1 Credit (Offered EVEN years Fall 2020);  
*Prerequisite: Animal Sciences I  
This course will investigate scientific concepts relating to the horse. Specific topics will include history, anatomy and physiology, health care, nutrition and feeding, breed characteristics, safety, handling, training, management, the equine industry today, organization and careers in equine science. Some activities will include planning and conducting a horse show, judging horses for proper conformation, as well as guest speakers in different areas of the horse industry. Application to current issues will also be explored. Students will also be expected to conduct an out of class experiential activity as part of this course. Leadership and Career Development opportunities for students through the FFA will be presented.
**INTRO TO HORTICULTURE**
# 9520
Grades: 9, 10, 11, 12
1 Semester/1 Credit
Fee: TBA
Horticulture is designed to give students a background in horticultural science and the many career opportunities in the nursery, garden, turf and landscape industries. It addresses the biology and genetics involved in the production, processing and marketing of horticulture plants and productions. Increased interest in the quality of the environment, conservation, and restoration projects are stimulating growth in the industry. Quality nursery and landscape operations require skilled, educated employees. Classroom and laboratory content will be enhancing by utilizing appropriate equipment and technology.

**LEADERSHIP AND PERSONAL DEVELOPMENT**
# 9545
Grades: 9, 10, 11, 12
1 Semester/1 Credit
This course is designed to assist students in developing skills that will benefit them in school, work and life: effective communication, team building, organization, project management, critical thinking. Students will read, engage in activities, and reflect on personal experiences in order to develop as students, people and leaders. The class requires active participation and discussion along with regular reading and writing related to class projects. In addition, students must be able to complete assigned tasks in both individual and group situations.

**NATURAL RESOURCES**
# 9525
Grades: 9, 10, 11, 12
1 Semester/1 Credit
The Natural Resources course is designed to give students a background in natural resource systems and the many career opportunities available in the field. It addresses the biological and environmental issues within our state. The history of natural resources, importance of soils and soil science, water conservation as well as forestry. In the wildlife section, student experiences will involve ecological principles, habitat management (forest, cropland, grassland, wetland, pond, and stream management), animal life histories, fish and wildlife values, outdoor ethics, conservation careers, agency assistance, fish and wildlife protection, and history of Minnesota Conservation Commission.

**AG COOP ON THE JOB TRAINING (OJT)**
#9550
Grades: 11, 12
1 Semester/ 1 Credit
*Prerequisite - Career Exploration must be taken before or during the same school year as OJT course
An elective option for students who have a job outside of high school, that enables the student to work during the school day and receive elective credit. Students must complete the application, interview and have a job by the first day of school and notify the OJT supervisor of the place they are employed. If the student does not have a job, they will be placed in a full day of classes at Rockford High School.
**Business**

**ACCOUNTING**
# 2502
Grades: 10, 11, 12
1 Semester/1 Credit

This course begins with keeping records for a sole proprietorship. If you want to learn how to make money, how to be an entrepreneur, or if you are interested in a business degree after high school, this course is vital! If you are thinking about business for a major in college, you will be required to take Accounting. Why not sign up for this one now to get a jump start on your future?!

**CAREER EXPLORATION**
# 2530
Grades 11, 12
1 Semester/1 Credit

Career Exploration introduces students to a variety of career fields, from business, to information technology, to security, to sales and marketing. Students also explore their interests, aptitudes, and skills plus their individual learning styles in order to find possible career matches. Students will explore a variety of career options plus use the steps in the decision-making process to develop their own career plan. A variety of post-high school opportunities will be discussed to help students make and achieve career goals. Students will study life survival skills in the areas of personal finance. Students will learn skills that will help them develop intrinsic, high-performing, and motivational skills to be successful in the real-world.

**COMPUTER APPLICATIONS**
# 2501
Grades: 9, 10, 11, 12
1 Semester/1 Credit

Microsoft Office skills, including Word, Excel, Publisher, and PowerPoint will be heavily emphasized. You will create documents in Word and create a portfolio of real-world business ready forms in Publisher including business cards, letterhead, and brochures. You will learn advanced topics to keep track of business finances using Excel. The skills learned in this course can be used instantly in other courses! Prepare to learn a lot of useful tips and tricks!

**INTRO TO BUSINESS**
# 2500
Grades: 9, 10, 11, 12
1 Semester/1 Credit

Do you want to be a doctor? Lawyer? Engineer? CEO? Understanding business basics is essential for ALL careers. This course will give you a broad exposure to business activities including communication, entrepreneurship, ethics, management, marketing and more. The course is designed to help students determine their interest level in business and to gain an insight to various career opportunities.

**MARKETING**
# 2503
Grades: 9, 10, 11, 12
1 Semester/1 Credit

Have you ever wondered why so many people will pay hundreds of dollars for a ticket to a sporting event? Or why the tickets cost so much? How much money does Target make for putting their name on the side of a stadium? These are just a few of the questions that will be answered when you discover the ways that businesses use sports/entertainment marketing to increase their profit. Students will understand the basics of the sports and entertainment marketing field through hands-on projects, simulations, and research.

**PERSONAL FINANCE**
# 2510
Grades: 10, 11, 12
1 Semester/1 Credit

This course uses the Dave Ramsey Foundations in Personal Finance curriculum, specifically tailored to meet the needs for high school students. Through this course, students will learn about many financial matters that will affect them as they go through life such as budgeting, savings, debt, and investing. Personal Finance is recommended for all high school students in order to learn how to manage money efficiently and responsibly.

**WEB DESIGN**
# 2505
Grades: 9, 10, 11, 12
1 Semester/1 Credit

One of the most in-demand jobs right now is as a computer programmer and web developer. Want to do more than make a Google site? Web design is an introduction to the design, creation, and maintenance of web pages. This course will give you a very broad overview of multiple types of languages used in web development and video game design including HTML and CSS. You will also learn ways in which to examine the layout principles of web pages to make eye catching and useful pages.
CONSTRUCTION TERMS, MATERIALS, METHODS AND CODES
# 2300
Grades: 9, 10, 11, 12
1 Semester/1 Credit
This is a one semester class that will focus on the use of common construction systems. In this class, students will be introduced to proper terminology and usage of wood, steel concrete, and selected manufactured materials. There will be some hands on projects to acquaint students with tools, equipment and materials. No fee will be assessed for this course.

GENERAL CONSTRUCTION
#2200
Grades 10, 11, 12
1 Semester/1 Credit
Fee: TBA
This is a one semester class that will focus on different residential construction techniques and applications. In this class, students will learn to safely utilize different tools and safety gear. There will be required small projects to demonstrate proficiency in concrete, framing, wiring, plumbing, insulation and finish work. Then students will complete a project in a group or individually demonstrating all these skills in a finished unit. The fee, if any, will be determined on personal projects based on current material prices.

WOODS, CONSTRUCTION FINISHING I
# 2401
Grades: 9, 10, 11, 12
1 Semester/1 Credit
Fee: TBA
This is a one semester class in which the students will focus on fine woodworking techniques in building smaller projects. In this class the students will learn to safely operate different pieces of woodworking equipment. The fee will be determined by the projects built and the materials used based on the current wood price.

WOODS, CONSTRUCTION FINISHING II
# 2402
Grades: 9, 10, 11, 12
1 Semester/1 Credit; *Prerequisite: Woods, Construction Finishing I
Fee: TBA
This is a one semester class that will focus on larger woodworking projects and/or furniture. In this class, students will learn to safely operate the many different pieces of woodworking equipment. This class is for students interested in a more advanced study of woodworking and for students who can work independently on these larger projects. They will be required to find plans for their project(s). The fee for this class will be based on the materials used for the project at the current wood price.

WOODS, CONSTRUCTION FINISHING III
#2403
Grades: 10, 11, 12
1 Semester/1 Credit, *Prerequisite: Woods, Construction Finishing II
This is a one semester class that will focus on detailed woodworking projects. In this class, students will learn how to operate a wood lathe. This class is for students interested in producing higher quality pieces and willing to expand on their skills and interests. The fee, if any, will be based on the materials used for extra projects at current market price.
Individuals and Societies (Social Studies)

MYP U.S. HISTORY 9
# 7150, 7151
Grade: 9
2 Semesters/2 Credits
This course covers the spectrum of U.S. History from Pre-Contact Civilizations through the Modern Age. This course requires students to explore perspectives in each of the historical eras through textbook readings, primary sources, journal articles, discussion, and writing practice.

MYP WORLD HISTORY/GEOGRAPHY 10
# 7310, 7311
Grade: 10
2 Semesters/2 Credits
In MYP World History/Geography 10, students study the geography, history, culture, politics and economic systems and the world’s places and nations. The emphasis will be on culture, place and history. Students will demonstrate an understanding of the major concepts through written work, projects and presentations. A variety of resources will be used including texts, maps, video and Internet.

ECONOMICS
# 7200
Grade: 11
1 Semester/1 Credit
Economics provides an introduction to the basic principles of micro and macroeconomics as well as opportunities to learn and practice skills in personal finance. Students will investigate topics such as interest rates, money supply, economic growth, supply and demand, markets, inflation, taxation and competition. Additionally, students will practice personal finance skills such as preparing tax statements, using credit wisely, buying and selling stock, financing a house and car and balancing a checkbook.

GLOBAL STUDIES
# 7300, 7301
Grade: 12
2 Semesters/2 Credits
In Global Studies, students study the geography, history, culture, politics and economic systems and the world’s places and nations. The emphasis will be on culture, place and history. Students will demonstrate an understanding of the major concepts through written work, projects and presentations. A variety of resources will be used including texts, maps, video and the Internet.

COLLEGE EUROPEAN HISTORY
# 7304
Grade: 12
Fulfills Global Studies graduation requirement
1 Semester/1 Credit
Weighted GPA
*Dual credit through University of Minnesota Duluth (4 college credits for 12th grade students in the top 1/2 of their class)
*Students can take the course for college/high school credit. If taken for college credit, the student will receive a grade and credit on a college transcript.
This is a survey of European history. The course begins with an overview of prehistory through the Middle Ages, followed by an intense investigation and analysis of the making of modern Europe. Students enrolling in this course should be prepared for a challenging schedule and workload. Regular reading of 40+ pages a week is required. A great deal of academic writing is expected from students enrolled in this course.

COLLEGE ECONOMICS
# 7202
Grade: 11, 12
1 Semester/1 Credit; *Prerequisite - Economics
Weighted GPA
*Dual credit through St. Cloud State University (3 college credits for 11th grade students in the top 1/3 and 12th grade students in the top 1/2 of their class)
*Students can take the course for college/high school credit. If taken for college credit, the student will receive a grade and credit on a college transcript.
This course is the equivalent of a college level introductory course in micro and macroeconomics. The purpose of college economics is to give students a thorough understanding of the principles of economics that apply to the economic system as a whole (macroeconomics) and the individual decision makers, both producers and consumers, within the larger economic system (microeconomics). A research report will be required of students.

PSYCHOLOGY
# 7404
Grades: 10, 11, 12
1 Semester/1 Credit
This course is an introduction to the history and approaches to psychology as well as an investigative look into the biological bases of behavior. It focuses on individual behavior and why an individual thinks, feels, and reacts to certain stimuli. Emphasis will be placed on research methods, how the brain works, sensation versus perception, learning, memory, dreams and altered states of consciousness.

THEORY OF LOGIC-11
# 7400
Grade: 11
1 Semester/1 Credit
This course asks students to reflect on their experiences as learners and to make connections between academic courses and the outside world through the examination of knowledge questions. Students will develop an understanding of why critically examining knowledge is important, be able to evaluate beliefs, and knowledge claims, and realize that acquisition of knowledge places responsibilities on the learner.

THEORY OF LOGIC-12
# 7401
Grade: 12
1 Semester/1 Credit
This course is designed to allow students to explore what they know and understand and why they know it. We will use readings, documentaries, podcasts, movies and work in other courses to begin conversations that expand our understanding of the world around us. Students will learn to evaluate knowledge and engage with others who may have a different understanding of knowing. Students have freedom to exercise their learning and follow new ideas as they develop their knowledge. The course will also help students understand how much there is left to know.
MYP ENGLISH 9
# 3000, 3001
Grade: 9
2 Semesters/2 Credits
This course is designed to introduce students to a variety of text types and the skills associated with analyzing and understand texts. Students will read, write, speak, debate, analyze and create while focusing on several key and related concepts. They will also consider how these concepts relate to larger, global contexts.

MYP ENGLISH 10
# 3100, 3101
Grade: 10
2 Semesters/2 Credits
This course is designed to develop students analytical skills with a variety of literary and non-literary works. This analysis will help broaden their understanding of literature and the way it reflects its context. Students will also connect texts to related contemporary issues.

WORLD LITERATURE AND COMPOSITION
# 3200, 3201
Grade: 11
2 Semesters/2 Credits
This course is designed to introduce students to important world literature and broaden their understanding of various cultures, conflicts, and human values. World Literature and Composition focuses on critical thinking and stresses writing through several major papers. Texts may include The Odyssey, The Inferno, A Long Way Gone, Persepolis, and the Kite Runner.

COLLEGE COMPOSITION
# 3203
Grade: 11
1 Semester/1 Credit (Weighted GPA)
Fulfills English 11 graduation requirement
*Dual credit through St. Cloud State University (4 college credits for 11th grade students in the top 1/3 of their class and a passing score on the Accuplacer Reading test).
*Students can take the course for college/high school credit. If taken for college credit, the student will receive a grade and credit on a college transcript.
This course is designed to help students improve their writing and in the process improve their critical and analytical skills. The course is focused on the study of world literature and writing in various rhetorical situations. It begins with the premise that the ability to construct clear, organized, well-conceived, and convincing written tests is one of the foundations of education; for that reason students will read, analyze, and critique and produce such writing.

BRITISH LITERATURE
# 3300, 3301
Grade: 12
2 Semesters/2 Credits
The course will analyze the connections between British literature and the historical time frames or background in which it was written. Texts may include Paradise Lost, Hamlet, and Taming of the Shrew.

COLLEGE CLASSIC LITERATURE
# 3303
Grade: 12
1 Semester/1 Credit (Offered EVEN years Fall 2020)
Fulfills English 12 graduation requirement
*Dual credit through St. Cloud State University (3 college credits for 12th grade students in the top 1/2 of their class).
*Students can take the course for college/high school credit. If taken for college credit, the student will receive a grade and credit on a college transcript.
This course focuses on a survey of British Literature. Authors, critical reception and cultural impact of various works will be emphasized. Students will write essays, including a research paper while learning basic literary theory and college-level discussion skills. The university academic experience will be modeled as accurately as possible and student should expect challenging and rigorous independent work.

CREATIVE WRITING
# 3405
Grades: 9, 10, 11, 12
1 Semester/1 Credit (Offered ODD years Fall 2021)
This class is designed to help students think and write more creatively. Weekly assignments and work will include a variety of genres such as horror, poetry, satire, humor, and drama. They will also write from personal experience and research topics. This class is aimed at helping students discover strengths in their writing and to experiment with a variety of writing styles.

HISTORICAL LITERATURE
# 3409
Grades: 10, 11, 12
1 Semester/1 Credit (Offered EVEN years Fall 2020)
Students will examine significant events and figures from the past as they navigate historical literature. Students will study some texts as a whole class and some works will be selected from a library of historical texts. They will explore the ways in which those texts provide insights into a historical period’s politics, culture, economy and society.
MYTHOLOGY
# 3401
Grades: 9, 10, 11, 12
1 Semester/1 Credit (Offered in Even Years Fall 2020)
This class will read and evaluate Greek and Norse myths and how they have affected modern literature. This course also looks at the significant impact those myths have had on modern vocabulary.

SCIENCE FICTION and FANTASY
# 3404
Grades: 9, 10, 11, 12
1 Semester/1 Credit (Offered ODD years Fall 2021)
Swords made of light, Magic, Aliens that take over human bodies: sound awesome? Science Fiction and Fantasy explores human nature, science, technology, and the creation of new worlds that may or may not follow the laws of nature that govern our own. We will read novels and short stories and watch films that help us to understand the genre and how it demonstrates both the bright and dark aspects of humanity.

FILM STUDIES
# 7403
Grades: 9, 10, 11, 12
1 Semester/1 credit
This course introduces students to the study and analysis of films from a variety of eras, genres, and nationalities. Additionally, students will be introduced to academic terminology within film and focus on the specific processes that occur during the preproduction, production, and postproduction stages of film making. While students will view several feature films from variety of diverse backgrounds, students will spend the bulk of the course learning how to create analytical essays, scripts, storyboards, lighting diagrams, sound compositions, and short films. The course is intended for students who may be interested in continuing on to the IB DP Film course in 11th and 12th grade in the Diploma or Career Programme, and IB --style models and grading will be used in the class.
Language Acquisition (Spanish)

Students must receive a “C” or better in each Spanish class to continue on in a world language.

SPANISH I
# 1500, 1501
Grades: 9, 10, 11, 12
2 Semesters/2 Credits
An introduction to the study of Spanish and its culture. Students learn basic Spanish expressions, vocabulary and structural forms. Emphasis is placed on communicating in the present tense in all four modalities (speaking, reading, writing and listening). Students will gain understanding of cultures by making comparisons and connecting with the Spanish-speaking world. Spanish is spoken in the classroom as part of the learning process. Listening for key words and watching for visual clues will aid in understanding.

SPANISH II
# 1600, 1601
Grades: 10, 11, 12
2 Semesters/2 Credits; *Prerequisite Spanish I
This course offers a more in-depth look at the Spanish language. Students will continue to communicate through speaking, writing, listening and reading activities related to personal topics of daily living in formal and informal settings. Students will continue to explore other cultures in the Spanish speaking world and compare their traditions, practices, and perspectives with their own.

SPANISH III
# 1700, 1701
Grades: 11, 12
2 Semesters/2 Credits; *Prerequisite Spanish II
The level 3 Spanish class will build student’s mastery of previously learned material. Students will actively develop communicative and cultural proficiency through extensive written and spoken work in response to a variety of authentic texts. Instruction is conducted mainly in Spanish and students will be expected to increase their use of the language as the course progresses.

SPANISH IV
# 1800, 1801
Grades: 12
2 Semesters/2 Credits; *Prerequisite Spanish III
This course further develops, improves and refines listening, speaking, reading and writing skills through the continued study of the language, literature, and culture of Hispanic countries. Emphasis continues on reading and writing skills in the target language to improve awareness and understanding of the cultural diversity of the Spanish-speaking world. Supplementary materials are implemented to enhance language use. Students experience multiple opportunities to demonstrate proficiency in Spanish in different contexts. Aspects of contemporary Hispanic culture include readings, media, games, and class discussions. Assessment of student performance is identified through written tests, quizzes, and work completion. In addition, students may also be assessed by means of oral tests, spoken dialogues, presentations, short compositions and other displays.
## Mathematics

### GRADE 9
- **MYP Non-Linear Algebra**
  - # 8000, 8001
  - Grade: 9
  - 2 Semesters/2 Credits
  - This course will emphasize the language and properties of algebra, inequalities, linear and non-linear functions, systems of equalities, exponential and quadratic functions, and rational equations and functions. Students are required to have a scientific calculator for this course.

- **MYP Geometry**
  - # 8100, 8101
  - Grades: 9, 10
  - 2 Semesters/2 Credits; *Prerequisite: 8th grade Algebra or Non-Linear Algebra
  - This course will emphasize inductive reasoning as a primary method of learning geometry topics. Topics will include the language of geometry, geometric constructions, congruent, circles, area, Pythagorean Theorem and volume. The student will then apply concepts of shape and space to illustrate and describe the physical world and solve problems.

### GRADE 10
- **Algebra II**
  - # 8306, 8307
  - Grades: 10, 11
  - 2 Semesters/2 Credits; *Prerequisite: Geometry
  - Students will analyze mathematical patterns, relationships, and use functions to model and solve problems. Concepts covered: linear equations, systems of linear equations and inequalities, matrices and determinants, quadratic equations and parabolas, functions, powers, roots, radicals, exponential and logarithmic functions, polynomials and polynomial functions, rational functions and quadratic relations.

- **Essentials of Algebra II** *(Accelerated students are not eligible)*
  - # 8210, 8211
  - Grades: 11, 12 (Requires teacher approval)
  - 2 Semesters/2 Credits; *Prerequisite: Geometry. Fulfills Algebra II graduation requirement
  - This course covers the same material as Algebra II but at a slower pace. This class fulfills the math requirement at RHS but if students are thinking of a four year college, they might want to enroll in regular Algebra II. Students will analyze mathematical patterns, relationships, and use functions to model and solve problems. Concepts covered will be: linear equations, systems of linear equations and inequalities, matrices and determinants, quadratic equations and parabolas, functions, powers, roots, radicals, exponential and logarithmic functions, polynomials and polynomial functions, rational functions and quadratic relations.

- **Honors Algebra II**
  - # 8201, 8202
  - Grades: 10, 11
  - 2 Semesters/2 Credits (Weighted GPA); *Prerequisite: Geometry and teacher approval
  - Fulfills Algebra II graduation requirement
  - This course will emphasize expressions, equations, inequalities, sequence and series, probability and statistics and trigonometry. A major emphasis will be on functions including linear, quadratic, polynomial and radical numbers. Students are required to have a T1-83 or a T1-84 graphing calculator. Leases are available.

### GRADE 11
- **Honors Algebra II or Functions, Stats & Trig**
  - # 8300, 8301
  - Grades: 11, 12
  - 2 Semesters/2 Credits (Year long course), *Prerequisite: B- or better in Algebra II or Honors Algebra II
  - The students will study statistical, algebraic and trigonometric concepts through their work with functions. The student will display, describe, transform and interpret numerical information in tables, graphs or equations. The students will then analyze mathematical patterns, relationships and functions to model and solve problems. Students are required to have a T1-83 or a T1-84 graphing calculator for this class.

### GRADE 12
- **AP Calculus**
  - # 8304, 8305
  - Grades: 12
  - 1 Semester/1 Credit (Weighted GPA); *Prerequisite: B- or better in Algebra II or Honors Algebra II
  - *Dual credit through Southwest State University (3 college credits for 12th grade students in the top 1/2 of their class)*
  - *Students can take the course for college/high school credit. If taken for college credit, the student will receive a grade and credit on a college transcript.*
  - Students in this class will cover topics including equations and inequalities, functions, graphs, polynomials, systems of equations, matrices and determinants. This course is designed for college-bound students. Students are required to have a T1-83 or a T1-84 graphing calculator for this class.

- **TOPICS OF MATH**
  - # 8400
  - Grade: 12
  - 1 Semester/1 Credit
  - This course is designed for seniors who want to take a math class, but do not have the pre-requisites for other classes. It will cover a variety of topics including but limited to Algebra, Geometry, and Statistics concepts, Accuplacer Prep, ACT Prep, Excel Spreadsheet skills, budget/finance, etc.

- **FUNCTIONS, STATISTICS AND TRIGONOMETRY**
  - # 8309
  - Grade: 12
  - 1 Semester/1 Credit
  - *Prerequisite: B- or better in Algebra II or Honors Algebra II
  - *Dual credit through Southwest State University (3 college credits for 12th grade students in the top 1/2 of their class)*
  - *Students can take the course for college/high school credit. If taken for college credit, the student will receive a grade and credit on a college transcript.*
  - Students in this class will cover topics including equations and inequalities, functions, graphs, polynomials, systems of equations, matrices and determinants. This course is designed for college-bound students. Students are required to have a T1-83 or a T1-84 graphing calculator for this class.

- **COLLEGE ALGEBRA**
  - # 8309
  - Grade: 12
  - 1 Semester/1 Credit (Weighted GPA); *Prerequisite: B- or better in Algebra II or Honors Algebra II
  - *Dual credit through Southwest State University (3 college credits for 12th grade students in the top 1/2 of their class)*
  - *Students can take the course for college/high school credit. If taken for college credit, the student will receive a grade and credit on a college transcript.*
  - Students in this class will cover topics including equations and inequalities, functions, graphs, polynomials, systems of equations, matrices and determinants. This course is designed for college-bound students. Students are required to have a T1-83 or a T1-84 graphing calculator for this class.

- **Electives:**
  - Functions, Stats & Trig or AP Calculus
  - College Algebra
Physical Education & Health

Students are required to take Physical Education and Health to complete their graduation requirements.

Physical Education

PHYSICAL EDUCATION (required for graduation)
# 6000
Grades: 9, 10, 11, 12
1 Semester/1 Credit
This is a course designed for students to put MYP Principles into practice. In addition to units such as Invasive Games, Net Games and Fitness Testing, students will learn strength and conditioning exercises to improve their physical fitness. Students will design SMART goals based on data from fitness assessments and monitor and track their progress throughout the course.

PEAK PERFORMANCE
# 6103
Grades: 9, 10, 11, 12
1 Semester/1 Credit
This course is designed for students who have a desire to work on the development of aerobic conditioning and strength training overall health and well-being. Students will develop a cardiovascular/strength program based on fitness assessments and personal fitness goals. The course will primarily utilize the Rocket Power Center.

TEAM AND DUAL SPORTS
# 6104
Grades: 9, 10, 11, 12
1 Semester/1 Credit
This course will enhance students' interest in a variety of team and dual sports. Participation and knowledge of rules and strategy of the game is expected.

Students may repeat an elective PE course for credit.

Health

HEALTH (required for graduation)
# 6100
Grade: 9, 10, 11, 12 (Recommended grade 10)
1 Semester/1 Credit
This course will empower students with the skills necessary to develop a healthy lifestyle by improving or maintaining a high level of physical, mental/emotional, and social health. Students will be provided with quality learning experiences that will enable them to take ownership and enhance the quality of everyday life.

HEALTH CAREERS
# 6105
Grades: 11, 12
1 Semester/1 Credit
This course will explore various health science careers through guest speakers and student presentations. Students will research and prepare a presentation on five different health science careers throughout the course. As a culminating activity, students will complete a detailed research paper on one selected career and interview a professional in the selected career.

SPORTS SCIENCE
# 6106
Grades: 11, 12
1 Semester/1 Credit
This course will analyze the areas of anatomy and physiology, injury prevention and management, sport in society, and the psychology of sport. Students should be prepared to interact with classmates in hands-on activities and class discussions.
# MYP PHYSICS 9

**# 9000, 9001**  
**Grade: 9**  
2 Semesters/2 Credits  
This two semester course is intended to provide students with a solid foundation of scientific concepts and procedures in the areas of physics. Students will be introduced to concepts through hands on, lab based instruction, graphing and graph interpretation, diagrams, demonstrations and short presentations. Topics of study include but are not limited to 1D kinematics, basic dynamics, work and power, waves, sound and light, electricity magnetism and nuclear physics.

# MYP CHEMISTRY 10

**# 9253, 9254**  
**Grade: 10**  
2 Semesters/2 Credits; *Prerequisite: MYP Physics 9**  
This inquiry-based science course offers an in-depth exploration of foundational chemistry concepts. Topics include: physical and chemical changes, the mole concept, atomic and quantum theories, gases, chemical reactions, acids and bases, nuclear chemistry, organic chemistry, thermodynamics, chemical kinetics, electrochemistry, oxidation-reduction reactions, and chemical equilibrium. Laboratory work is important in this course, and strong skills in math, reading, and writing are vital for success.

# GENERAL CHEMISTRY

**# 9202, 9203**  
**Grade: 11**  
2 Semesters/2 Credits; *Prerequisite: Biology**  
Chemistry is the study of matter and the changes it undergoes. Students will be introduced to a variety of chemistry concepts including atomic structure, classifications of matter, physical and chemical changes, the mole concept, gases, acids and bases, nuclear chemistry, and chemical reactions. Students are expected to perform at a high level when working on group experiments and are able to interpret directions on their own. This chemistry course is a good choice for students with fair reading, writing, and math skills or students who need science credit for college admission.

# HONORS CHEMISTRY

**# 9204, 9205**  
**Grade: 11**  
2 Semesters/2 Credits; *Prerequisite: Biology, Non-Linear Algebra (C grade or better)**  
Fulfills Chemistry graduation requirement  
Weighted GPA  
This course offers an in-depth exploration of foundational chemistry concepts and will be offered as a college prep course. Any student expecting to pursue further science education in college should take this advanced course. This course emphasizes the relationship between accepted chemistry theories and observable properties of matter. Topics include: physical and chemical changes, the mole concept, atomic and quantum theories, gases, chemical reactions, acids and bases, nuclear chemistry, organic chemistry, thermodynamics, chemical kinetics, electrochemistry, oxidation-reduction reactions, and chemical equilibrium. Laboratory work is important in this course, and strong skills in math, reading, and writing are vital for success. Emphasis is placed on accelerated pacing, in-depth coverage, interdisciplinary study, and professional thinking skills.

# APPLIED CHEMISTRY

**# 9250, 9251**  
**Grade: 11**  
2 Semesters/2 Credits; *Prerequisite: Biology**  
Fulfills Chemistry graduation requirement  
Chemistry is the study of matter and the changes it undergoes. Students will be introduced to a wide variety of basic chemistry concepts such as states of matter, the makeup of an atom, balancing chemical equations, general nomenclature, and geometric modeling. A special emphasis will focus on reading skills to improve comprehension. This course is designed for students with a desire to improve comprehension in mathematics and reading and for students who learn best through hands-on activities.

*Beginning with the 2021-22 school year, Biology will be the required science class for 11th grade students. This change in course sequencing applies to students in the graduating class of 2023 and beyond.*
**COLLEGE HUMAN BIOLOGY**

# 9311  
Grade: 12  
1 Semester/1 Credit  
Weighted GPA; *Prerequisite: Chemistry or Honors Chemistry  
*Dual credit through St. Cloud State University (3 college credits for 12th grade students in the top 1/2 of their class)  
*Students can take the course for college/high school credit. If taken for college credit, the student will receive a grade and credit on a college transcript.  
Human biology is the study of the organization and general functioning of the human body. Introductory human anatomy and physiology are explored through classroom and laboratory activities including the dissection of a rat. Specific areas to be studied in detail include: human body systems, human genetics, infectious diseases, drugs, cancer, and nutrition. Discussion will also include current ethical issues in biology and their social implications.

**COLLEGE PHYSICS**

# 9308  
Grades: 11, 12  
1 Semester/1 Credit; *Prerequisite: Biology, Algebra II or Honors Algebra II  
Weighted GPA  
*Dual credit through St. Cloud State University (3 college credits for 11th grade students in the top 1/3 of their class or 12th grade students in the top 1/2 of their class)  
*Students can take the course for college/high school credit. If taken for college credit, the student will receive a grade and credit on a college transcript.  
This course is designed as a thematic introduction to ideas, thought and experimentation in physics. Topics include but are not limited to 1 and 2 dimensional motion, dynamics, momentum and its conservation, energy work and power, vibrations and waves, sound and light, along with static and current electricity.

**ASTRONOMY**

# 9400  
Grades: 9, 10, 11, 12  
1 Semester/1 Credit  
Astronomy is the branch of science that deals with celestial objects, space, and the physical universe as a whole. While not all of topics in astronomy can be studied in-depth in one semester, selected topics will be presented in a thematic style. The second semester of the physical science course deals with solar system astronomy...this broad topic will not be covered in this course. The topics in this elective course include but are not limited to the daytime sky, the nighttime sky, constellations, distances sizes and angles, along with stars and stellar evolution.

**ENVIRONMENTAL SCIENCE**

# 9405  
Grades: 9, 10, 11, 12  
1 Semester/1 Credit  
Environmental Science is the application of earth, life, and physical science in relation to human behavior, actions, and impacts. Students will develop critical thinking skills and be able to apply knowledge gained in other disciplines and apply them to human interactions with the environment. Potential topics to explore include: ecosystem interactions, population dynamics and human population trends, renewable and nonrenewable energy sources, global climate change, and loss of biodiversity. Students will also learn how scientific information is used to help make decisions associated with environmental issues.

**FORENSIC SCIENCE**

# 9401  
Grades: 9, 10, 11, 12  
1 Semester/1 Credit  
Forensic science is the application of biology, chemistry, physics, and the earth sciences to the area of criminal investigation. Students will develop critical thinking skills and be able to apply knowledge gained in other disciplines to the process of solving crimes. Emphasis is placed on case studies, laboratory activities, discussions, and simulations. Topics investigated include: history of forensic science, the crime scene, physical evidence, fingerprints, hair, fibers, and blood evidence.
# 2020-21 Course Registration Overview

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* prerequisite: Top 1/3 of class as a junior
** prerequisite: Top 1/2 of class as a senior
*** prerequisite: Pass Accuplacer test
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