

**Midland High School**
109 W Green Street
Wyoming, Iowa



2018-19
Registration Handbook

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Website: www.midland.k12.ia.us
PowerSchool website: <http://ps-midland.gwaea.org/public>
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Name _____

HOW TO USE THIS GUIDE

This guide has been developed by Midland High School and its purpose is to provide information about the courses which are offered at Midland. The guide is intended to help students and their parents become acquainted with the content of specific courses and to aid them in the decision making process during the registration period.

You have a responsibility to plan a realistic educational program. You are encouraged to study course descriptions, make use of instructors' and counselors' recommendations, and discuss these plans with your parents.

You are expected to give serious consideration to this matter before deciding about specific courses because you will be expected to remain in the classes you select. Schedule changes are to remain at a minimum.

Every effort will be made to accommodate your choices. Scheduling conflicts, the number of students registered for classes, and other administrative decisions could affect your final class schedule.

In this guide you will find a brief description of each of the courses offered at Midland High School. In addition, the length of each course and the grade level associated with each course are shown.

Prerequisites are listed when applicable. Prerequisites are conditions which must be met before enrollment, and they have been established to provide the maximum assurance that the courses will be completed successfully.

You are urged to read the descriptions, consider the recommendations made by your current instructors, discuss possible selections with your parents, and be prepared to make your **FINAL** course choices.

MIDLAND COMMUNITY SCHOOL DISTRICT DIRECTORY INFORMATION

Phone: 563-488-2292 Fax: 563-488-2253 Voice Box: 830-2222 or 488-4267

Secondary Principal: Carol Reilly

Board Members: Derek Denniston, Sarah Fishwild, Travis Hansen, Terry Lineburg, Tom Orr, Clay Pestka, Nikki Rushford

CARL PERKINS VOCATIONAL STATEMENT

Students who are members of Special Populations are encouraged to enroll in the vocational education classes provided by the district. If you are in need of special services to help you benefit from these classes, please contact the Guidance Counselor or the Principal.

Special populations include: Students that are receiving free or reduced lunches, students that are in special education, students that are below the 25% on their composite for ITED's (Iowa Norms), students that have below a 2.0 cumulative GPA and students that are receiving A.D.C. (Aid to Dependent Children).

NON-DISCRIMINATION POLICY

It is the policy of the Midland Community School not to discriminate on the basis of sex, race, national origin, creed, age, marital status, or disability in its educational programs, activities, or employment policies as required by Title VI and VII of the 1964 Civil Rights Act, Title IX of the 1972 Educational Amendments, and Section 504 of the Federal Rehabilitation Act of 1973.

It is also the policy of this district that the curriculum and instructional materials utilized reflect the cultural and racial diversity present in the United States and the variety of careers, roles, and life styles open to women as well as men in our society. One of the objectives of the total curriculum and teaching strategies is to reduce stereotyping and to eliminate bias on the basis of sex, race, ethnicity, religion, and disability. The curriculum should foster respect and appreciation of the rights, duties, and responsibilities of each individual as a member of a pluralistic society.

Inquiries regarding compliance with the Title IX, Title vi, or Section 504 may be directed to the equity coordinator (Doug Tuetken 563-488-2292), or to the Director of the Region VII Office of Civil Rights, Department of Education, Kansas City, Missouri.

TITLE VI AND IX AND SECTION 504 GRIEVANCE PROCEDURE

Any student, employee, patron or parent of the Midland Community School District shall have the right to file a complaint alleging non-compliance with the Board of Education policy on Non-discrimination on the Basis of Race and Sex in accordance with regulations outlined in Title VI of the Educational Amendments of 1972 and Section 504 of the Rehabilitation Act of 1973.

The purpose of the procedure is to provide for a mutually acceptable method for the prompt and equitable settlements of alleged grievances over the interpretation and application of the policy on Non-discrimination on the Basis of Race and/or Sex. Representatives for the Board of Education and the grievant shall keep these proceedings as informal and confidential as may be appropriate at any level of the procedure.

LEVEL ONE: (Informal) - With principal or immediate supervisor. - Any employee, student, patron or parent with a grievance should first discuss it with his/her principal or immediate supervisor, and a student with a complaint should first discuss it with his/her teacher, counselor or building principal, both with the objective of resolving the matter informally.

LEVEL TWO: (Formal) - Grievance Officer - If, as a result of the informal discussion with the principal, counselor, teacher or appropriate immediate supervisor, a grievance still exists, the aggrieved employee or student may formalize and pursue the grievance by filing a complaint in writing on a Compliance Violation Form, which may be obtained from any building principal or the grievance officer. The complaint shall state the nature of the grievance and the remedy requested and shall be signed by the grievant (parents or guardian if by a minor child). The filing of the formal, written complaint at Level Two must be filed with the grievance officer within fifteen (15) working days from date the grievant could reasonably become aware of such occurrence.

The grievant may request a meeting with the grievance officer concerning the complaint. A minor child shall be accompanied by a parent or guardian. The grievance officer shall provide the person against whom a complaint is being alleged a copy of the written complaint, investigate the complaint and attempt to resolve it. A written report from the grievance officer regarding action taken will be sent to the grievant within fifteen (15) working days after receipt of the complaint.

If the aggrieved person is not satisfied with the disposition of the grievance, or if no disposition has been made within the fifteen (15) working day period, the grievance shall be transmitted to level three within fifteen (15) working days.

LEVEL THREE: Superintendent - The superintendent shall attempt to meet with the aggrieved person within fifteen (15) working days following receipt of the grievance or appeal from level two. The superintendent shall indicate his disposition of the grievance in writing within ten (10) working days of his meeting with the grievant and shall furnish a copy thereof to the aggrieved person, party against whom the complaint has been alleged and grievance officer.

This procedure in no way denies the right of the grievant to seek private counsel or agencies for mediation.

EDUCATIONAL RECORDS

Student records containing personally identifiable information, except for directory information, are confidential. Only persons, including employees, who have a legitimate educational interest are allowed to access a student's records without the parent's permission. Parents may access, request amendments to and copy their child's records during regular office hours. Parents may also file a complaint with the United States Department of Education if they feel their rights regarding their child's records have been violated. For a complete copy of the school district's policy on student records or the procedure for filing a complaint, contact the board secretary, in the central administration office.

Student directory information is released without parental permission unless the parent asks the school district not to release it. Parents must notify the school district at the beginning of the school year if they do not want the school district to release directory information. Directory information includes name, address, telephone number, date and place of birth, major field of study, participation in officially recognized activities and sports, degrees and awards received, most recent educational institution attended, year in school, dates of attendance, and heights and weights of athletes.

Procedures for Students who are Transferring to Another School or School District:

The school district automatically transfers student's records to a new school district upon receipt of a request from the new school district for the student's records. Parents notified that the student's records have been sent are given an opportunity to view the student's records that were sent and a right to a hearing to challenge the content of the student's records that were sent. Parental consent is not necessary to forward a student's records to a student's new school district or for the school district to request them from a student's previous school district. When a new student transfers into the school district, the student's records are requested from the previous school district.

SPECIAL EDUCATION STUDENT RECORDS

The Midland School District maintains confidential special education student records for all students who receive special education and related services.

Parents and eligible students age 18 and over have the right to review special education records; to have these records explained; to obtain copies of any records at no charge; to have a written response pertaining to record content, to request an amendment or deletion of record content which they feel is inappropriate, inaccurate, or an invasion of privacy; to request a hearing, if the requested amendment or deletion of record content is not made; and to be informed of who has access to records and to whom records have been disclosed. Requests to exercise these rights or to determine procedures established to provide for the exercise of these rights should be directed to the principal of the building in which the student is attending.

Special education student records contain information generated in determining a student's needs for special education services in planning and providing educational programming and related services throughout the course of the student's educational career. These records include the Cumulative Record folder, the IEP folder, and any psychological reports generated by AEA personnel or external agency personnel. These records will be housed in one of three locations: student's classroom, main office, or guidance office. Only information relevant to the provision of appropriate educational programming services may be generated and maintained as part of a student's record. No such information is available to anyone other than school officials without the consent of the parent or student aged 18 or over. A list of school officials having access to student records is posted in each building.

Parents will be informed by the guidance counselor when personally identifiable information is no longer needed to provide for a student's educational services and how such information is to be destroyed. It should be noted that special education student records are reviewed annually and materials no longer relevant to the provision of educational services are removed and destroyed.

All special education student records maintained by the Midland schools will be maintained for at least three years following graduation or discontinuance of a student's enrollment in the district.

SPECIAL TESTING PROGRAMS

There are numerous tests administered by organizations other than the high schools for special purposes such as college admission, scholarships, placement, and vocational guidance. Therefore, it is necessary that students begin planning early, for the choice of college will determine which test must be taken. Students must decide which tests are needed and make application for these tests. Information about these tests may be obtained in the counselor's office, and students are encouraged to discuss their individual needs with your counselor.

ASVAB CAREER EXPLORATION PROGRAM

The ASVAB Career Exploration Program is a comprehensive career exploration and planning program that includes a multiple aptitude test battery, an interest inventory, and various career planning tools designed to help students explore the world of work. Midland students will take this test in the fall semester of their junior year. State representatives will be available for interpretation.

ACT

The ACT is used by many colleges for admission, placement, and scholarships. If the college of your choice requires this test, you should plan to take the ACT. This test is most often taken during the spring of the junior year, but can be taken at the beginning of the senior year. You should consult the counselor's office for test centers and dates.

ACCUPLACER and ALEKS TESTS

Accuplacer & ALEKS are computer-adaptive college placement tests required by Kirkwood for students looking to take Alternative Concurrent Enrollment Courses, the Arts & Science: Liberal Arts Transfer Academy, or Statistics as a companion course. The tests must be proctored by someone from Kirkwood. Students needing to take either or both placement tests should see your counselor for scheduling.

CAREER, ACADEMIC AND SOCIAL/EMOTIONAL COUNSELING

The day is rapidly coming when you will be entering the job market. Most of you will spend the majority of the rest of your life on the job. The job you get and how happy you will be with it depends on your interests and preparation. The courses taken in high school should be used to explore your interests and challenge your ability. You should plan your courses with your future in mind. If you would like help in deciding which courses to take, see the counselor. The counseling office is a good place to go if you would like information on occupations, military, trade schools, business schools or tech schools, colleges and universities or just to try out some new ideas on someone. The counseling office can help you with career, academic or social/emotional concerns.

RECOMMENDED COURSES FOR TECHNICAL OR UNIVERSITY ADMISSION

TECHNICAL COLLEGE ADMISSION

Technical college programs have admission standards and placement testing. Some programs have waiting lists. Apply early and seek your counselor's advice regarding your chosen program. Technical college preparation should include a comprehensive high school curriculum to ensure success. The following are recommended high school courses/credits for adequate preparation for technical college programs.

<u>Subject</u>	<u>Recommended Preparatory Course Work</u> <u>Credits</u>
English	8 credits (emphasis in writing skills)
Math	8 credits (through Geometry)
Science	8 credits
Social Studies	8 credits
Tech Courses	8 credits (Technology, Technical, Agriculture)

For specific information regarding entrance requirements, please see your high school counselor. Applications and additional information is available in the Counseling Center.

FOUR YEAR COLLEGE/UNIVERSITY ADMISSION

College programs have admission standards including grade point average, class rank, ACT scores and curriculum taken in high school. Apply early and seek your counselor's advice regarding your chosen program. College preparation should include a comprehensive high school/college prep curriculum to ensure success. The following are high school courses/credits for adequate preparation for college programs.

General College/University Recommended Course Requirements

- 8 Semesters of Language Arts/English (including two semesters of composition)
 - 8 Semesters of Mathematics (including Algebra I, Algebra II, geometry)
- 8 semesters of math for engineering degree through pre-calculus
 - 8 Semesters of Science (through chemistry with physics for engineering)
 - 8 Semesters of Social Studies
 - 4-6 Semesters of Foreign Language
- ACT scores in the 18-24 Composite range
Rank in the top ½ of high school graduating class

REGISTRATION NOTES

All students in grades 9-12 are required to enroll in 8 classes each semester (can include 1 study hall).

Repeating a Class

A senior student may repeat one course per semester that he/she has already passed with the approval of the instructor, the administration, and his/her parents. They will not receive credit for this course.

If a required course is failed, it may be repeated once at Midland High School or it may be taken through APEX online. All APEX courses require administrative approval.

STUDENT SCHEDULING & CHANGING COURSES

Students may elect to schedule for any Midland High School course with appropriate academic preparation and instructor permission. Students will be asked to select courses for the following year in early spring. In an effort to maximize the benefits of computer scheduling (especially in balancing class sizes) **ALL** schedule changes for the school year will need to be made by the following deadlines:

- ⇒ Spring course registration
- ⇒ When finalized schedules are distributed
- ⇒ August school registration dates
- ⇒ First 2 days of each semester

No changes will be allowed after the end of the second day of each semester and all changes made during the two days must be for sound educational purposes!!

Sound educational reasons may include, but are not limited to, the following and are at administration discretion:

- **Educational advancement** - Students who choose to take an advanced course such as an Alternate Concurrent may ask to be withdrawn from a high school elective course in order to pursue a college-credit course.

- **Requirement for graduation credit** - Students who need, due to a credit shortage, a course to fulfill graduation requirement may request a schedule change.
- **Failing a course** - Students who have failed a course may need to be scheduled into a course necessary for graduation requirement.
- **Missed scheduling** - Inevitably, there will be a time when a mistake is caught in a student schedule. This is usually flagged during annual credit checks. If a course is required for graduation credit, if a student is mistakenly placed in a course requiring a prerequisite that the student has not taken, if a student is short a course on their schedule, if students are overbooked into a particular course, they will require rescheduling.
- **Special education services** - If a student is in special education or is placed in special education services, it may require schedule revisions.
- **Revision of early graduation** - If a student was previously anticipating early graduation, and for whatever reason is unable to, it may require scheduling revisions.
- **Health issues of a student** - If a student, due to a health-related issue, is unable to meet the requirements of a class they have been scheduled for, it may require schedule revisions.

Use your parents, counselor, principal, and teachers as resource people to help you make your choices. They can help you make decisions about the future. Also, they can answer questions you have about courses and how they would benefit your career.

Student class schedules are established through a series of steps that include student choice and consultation with parents, counselors, and teachers.

- **Step 1** - Student meets with teacher-advisor to review scheduling process and begin course selection for each semester.
- **Step 2** - Student reviews scheduling plan with parent/guardian and completes course scheduling form.
- **Step 3** - Student meets with guidance counselor to complete a schedule. Due to scheduling conflicts or classes at capacity, some students will not get their exact desired schedule. All students should have alternative classes in mind if this occurs.

Students who have major conflicts after the master schedule has been set will be contacted individually to make adjustments.

There are two semesters per year. Students will be able to earn a total of 64 credits over the course of four years. **Fifty-six (56) credits are required.**

All students must carry at least seven academic classes each semester or have the approval of the administration.

MIDLAND HIGH SCHOOL GRADUATION REQUIREMENTS

GRADUATION CREDITS

Students are required to obtain 56 credits - 33 required and 23 elective
Under the 8 period schedule there are a maximum of 64 credits available.

Student Classification - Minimum Number of Credits

Students are placed in the respective grades based on the number of credits earned at the end of the spring semester: **9th Grade - 0 credits** **10th Grade - 13 credits**
11th Grade - 26 credits **12th Grade - 39 credits**

Specific Graduation Requirements

Courses italicized are either Kirkwood courses or courses that were included as meeting graduation requirements during the past four years, those named beginning with a C, are Kirkwood companion courses.

English - 8 credits including:

2 credits - English Language Arts I
2 credits - English Language Arts II
2 credits – English Language Arts III
2 credits - total from: Nonfiction Studies, Composition, English Language Arts IV,
AA-Composition I, AA- Composition II, AA- Fund of Oral Comm, C-Forms of Literature-Fiction

Science - 8 credits including:

Earth Science, Biology, Advanced Biology, Chemistry, Physics, PLTW – Principles of Biomedical Science, CASE: Principles of Agricultural Science – Animal; CASE: Principles of Agricultural Science – Plant; CASE: Food Science and Safety, PLTW – Environmental Sustainability, CASE: Ag, Power & Technology, Anatomy, *Physical Science, Plant Science, Animal Science, SCUBI*

Mathematics - 8 credits including:

2 credits – Algebra I
2 credits – Geometry
4 credits from: Transition Algebra, Algebra II, Precalculus,
Calculus, Consumer Math, C-AP Calculus, AT-Industrial Math, FST, Transition Mathematics, Secondary Math, C-Statistics, C-Mathematics and Society

Social Studies - 8 credits including:

2 credits - Modern US History
2 credits - World History 2020 and beyond (*Contemporary World Geography class of 2019*)
1 credit - Government or *C - American Government*
3 elective credits from: Psychology, Psychology II, World History, Economics, Iowa History, *Personal Economics, 20th Century US History, 21st Century US History, Women in US History, Current Events, C-Intro to Psychology, C- Intro to Sociology, C-Economics, C-Survey of World Religions, Contemporary US Studies, Recent US History*
**Students completing both Spanish 4 S1 & S2 may use them to fulfill 2 credits of social studies requirement.*

Health - 1 credit – Health 1

Electives – 23 credits - All other courses except drivers education

Physical Education – Iowa Law indicates that students must take PE each semester UNLESS:

- 1) Student is enrolled in a full academic day of courses (8 of 8)
- 2) Student is a participant in an organized athletic activity:
Fall: Football, Volleyball, or Cross Country Spring: Basketball, Wrestling, Track, Golf

PE courses include: Fitness for Life, Athlete Development, *Physical Education, Weight Training PE*

Independent Study

Seniors or juniors with a serious schedule conflict and with teacher and administration approval will be allowed to take a course on an independent study basis. Online courses are offered through APEX.

Withdrawal from School

A request to withdraw from school must be handled through a parent conference with administration. Under Iowa Law, a student must be 16 years of age by September 15 to be legally able to withdraw during that year.

Early Graduation Policy

A student of Midland High School may graduate early provided:

- 1) Students may graduate prior to the completion of grade twelve if the coursework required for graduation has been fulfilled. In such cases, the students must have the approval of the board. An early graduation student may take courses at higher grade levels than their own as long as they do not disrupt the course of studies for the other students of that particular grade level or higher.
- 2) All students will need a total of **56** required credits to graduate. A student is able to earn a total of 8 credits per semester.
- 3) Students who have permission for early graduation WILL NOT be permitted to participate in any extracurricular activities after the student has completed his/her coursework. This includes athletic and music activities sponsored by state associations.
- 4) Students who graduate early will receive a diploma at the next regularly scheduled ceremony. The student may participate in the formal graduation exercises if he/she wishes to do so.

Late Graduation

- 1) Students who do not have the necessary credits for graduation WILL NOT BE ALLOWED TO PARTICIPATE IN GRADUATION CEREMONIES.
- 2) The student may return to school the next semester and pick up only those credits necessary for graduation or may elect to complete these credits through correspondence courses with administration approval.
- 3) This student will have one year from the date of graduation to complete these credits under his/her class's graduation requirements. After one year he/she must meet the requirements of the current graduating class.
- 4) Said student who completes graduation requirements late will receive a diploma.

<h3>Senior Year Plus</h3>

Through Senior Year Plus, school districts are provided with a variety of options to enhance students' high school experience. It was created to provide increased and more equal access to college credit and advancement placement courses. Courses delivered through Senior Year Plus provide students the opportunity to take a rigorous college curriculum and receive, in many cases, both high school and college credit concurrently. If you have specific questions please see your school counselor for more info.

Career Academy courses
Advanced Placement (AP) course

Alternate Concurrent Enrollment Courses

Iowa Assessment scores will be used to determine eligibility.

Proficient Scores in Math (257), Reading (257), & Science (258) on Iowa Assessment Test (10th Grade)
Proficient Scores in Math (263), Reading (263) & Science (265) on Iowa Assessment Test (11th grade)

For students who are not proficient on those scores, Midland will look at the following secondary assessments in order to determine eligibility for Senior Year Plus courses:

Proficient Scores in Reading (73) and Sentence Skills (82) on Accuplacer Test
Proficient Scores in Math (18), Reading (18) & Science (18) on ACT Test
Proficient Scores in Reading (221), Language Usage (220) & Math (232) on MAP

**IEP students will be subject to an IEP Team Review to determine eligibility under Senior Year Plus guidelines.

ALTERNATE CONCURRENT COURSE ENROLLMENT

Eleventh and twelfth grade students enrolled in public and accredited nonpublic school districts are eligible to enroll in Alternate Concurrent Courses as part of Senior Year Plus. *A ninth or tenth grade student who is identified as a gifted or talented student according to the school district's criteria and procedures are also eligible to enroll.* The specific purposes are to:

- ⇒ Promote rigorous academic pursuits; and
- ⇒ Provide a wider variety of options for students.

Students are allowed to enroll in eligible institutions of higher learning under the control of the State Board of Regents, a community college established under chapter 280A, Iowa Code, and accredited private institutions as defined in section 261.9, subsection 1, Iowa Code.

Post-secondary institutions may require students to meet appropriate standards or requirements for entrance into a course. Such requirements may include prerequisite courses, scores on SAT or ACT, or other evaluation procedures to determine competency. Acceptance of a student into a course by a post-secondary institution is not a guarantee that a student will be enrolled in all requested courses.

Students **must** take the Alternate Concurrent course for credit and must meet all of the requirements of the course which are required of post-secondary students.

- ⇒ Student must earn a grade of C- or higher to receive credit.
- ⇒ Evidence of successful completion of each course shall be included in the student's high school transcript and grade point average.

Students **may not** enroll in a course at post-secondary institutions if a comparable course is available at Midland High School.

Eligible Postsecondary Courses

Postsecondary courses eligible for students to enroll in under this Act shall be limited to the following:

- Nonsectarian courses.
- Courses that are not comparable to courses offered by Midland High School.
- Credit-bearing courses that lead to an educational degree.
- Courses in the discipline areas of mathematics, science, social sciences, humanities, vocational-technical education and also the courses in career option programs offered by area schools established under the authorization provided in chapter 280A, Iowa Code.

When determining appropriate courses to enroll in under this Act, consideration should be given to courses in the following subject matter areas.

- ⇒ Literature, foreign languages, philosophy, civilizations, and history (including courses in music and art that include a component of history)
- ⇒ Anthropology, economics, geography, political science, psychology, and sociology.
- ⇒ Astronomy, biology, botany, chemistry, geology, physics, and zoology.
- ⇒ Computer science, mathematical sciences, and statistics.
- ⇒ Vocational-technical education course offerings.

SPECIAL NOTES REGARDING ALTERNATE CONCURRENT COURSES

- If a student withdraws from a Alternate Concurrent course, they will be subject to the same refund policies in effect for all college students at the eligible institution. If a student withdraws too late and is charged for the class, the student will be subject to reimbursing Midland High School for all costs incurred. **It is the student's responsibility to know the withdrawal policy of the eligible institution in which they are enrolled.**
- Students will be allowed no more than one class period per day to take an Alternate Concurrent class without administrative approval. They will only be allowed one Midland credit per Alternate Concurrent course.
- All Alternate Concurrent classes paid for by Midland are a part of the student's official transcript and will be counted towards GPA. To receive credit, students must earn a grade of C- or higher.
- Withdrawal will result in a 'W' on their high school AND college transcripts.

- Some colleges will not accept credit from another college if the grade is below a ‘C’. It is your responsibility to check with the college you are interested in attending.
- During the registration process, students must submit the ‘Alternate Concurrent Registration Plan’ sheet to be eligible. This form is available from the office. Please apply for Alternate Concurrent courses only if you are serious about taking them as budgetary decisions are made with the information.
- *Alternate Concurrent courses worth 3 college credits = 4.5 quality points; 4 college credit classes = 5.0 quality points.*

High School Distance Learning Courses (HSDL) may be available under certain circumstances and would require administrative approval.

Grading and the Honor Roll

At the end of each quarter, students will receive computer-generated report cards. The semester grades will become a part of the student’s high school transcript and be used to compute the students Cumulative Grade Point Average (GPA). Grade point average is also used to determine other awards and recognition. Grades in all subjects will be used to compute the GPA. All courses will receive a value of one credit per semester when figuring the GPA with the exception of Drivers Ed which will not receive credit.

Grade Point Average: A student’s GPA will be reported on a modified grade scale.

Quality Points To Determine Rank In Class

Quality points will be used to determine rank. To compute a student’s rank in class, two groups of courses have been identified to carry special quality point weighting scales. Students who take the most weighted classes and earn the highest grades will achieve the highest rank in class.

5.0 Scale of Quality Points

The following courses will carry weighted quality points based on a five-point scale:

A = 5.0, B = 4.0, C = 3.0, F = 0

Calculus Alternate Concurrent = 4 college credits Kirkwood Companion Classes = 4 college credits

4.5 Scale of Quality Points

The following courses will carry weighted quality points based on a 4.5 point scale:

A = 4.5, B = 3.5, C = 2.5, F = 0

Precalculus	PLTW Environmental Sustainability	Kirkwood
Advanced Biology	PLTW Computer Science Principles	Companion
Physics	Alternate Concurrent = 3 college credits	Classes = 3
PLTW Principles of Biomedical Science	Kirkwood Academy Courses	college credits

4.0 Scale of Quality Points

All other courses will carry quality points based on a 4.0 point scale: A = 4.0, B = 3.0, C = 2.0, F = 0

Midland Honor Roll

Midland High School will compute and post an honor roll after each semester, there will be two semesters during the course of the school year. All subjects will be used to compute the honor roll.

- ◆ “Superior Honor Roll” will be for students who have a semester GPA of 3.85 or higher.
- ◆ “Honor Roll” will be for students who have a semester GPA between 3.75 and 3.849.
- ◆ “Improvement Honor Roll” will be for students who improve their GPA from one semester to the next.

A cumulative class rank based on cumulative GPA’s will be computed and recorded following each semester.

Academic Awards

Academic awards are presented at the conclusion of each semester to those students whose **GPA for that semester is at least a 3.75**. Academic pins for each semester are presented as soon as possible following the semester.

AGRICULTURAL EDUCATION

CASE: Agriculture, Food, and Natural Resources 1031A/1031B (Full Year) Grades 9-12

Students will experience hands-on activities, projects and problems. Student experiences will involve the study of communication, the science of agriculture, plants, animals, and natural resources while surveying the opportunities available in agriculture and natural resources. Students will learn to solve problems, conduct research, analyze data, work in teams, and take responsibility for their work, actions, and learning. Students will understand specific connections between their lessons and Supervised Agricultural Experience and FFA components.

Ag Leadership 1030 (1 Semester Course) Grades 9-12

This course is designed to give the student a chance to express their communication and leadership skills. Students will work in groups to solve problems and situational scenarios to develop personal growth and human relation qualities. Students are expected to communicate, voice opinions, and concerns relating to goals and visions for personal development. Students will prepare for and present an agriculture literacy program to the elementary.

Home Horticulture 1070 (1 Semester Course) Grades 9-12

Students explore areas of plant production and use focusing on decorative and aesthetic purposes. Information covered includes: care and propagation of plants, flowers, trees, and shrubs. Students will work with areas of landscape, design, and floriculture. Hands on experience will be used to cover information.

Ag Business 1 1042 (1 Semester Course) Grades 10-12

This course will focus on the personal skills necessary for success in entrepreneurial ventures in the agricultural industry. Topics include goal setting, recordkeeping, evaluating financial progress and success, and exploring differing business types.

Ag Business 2 1043 (1 Semester Course) Grades 10-12

This course will focus on writing and developing marketing plans, understanding and developing sales presentations. Students will also explore concepts related to the markets of the world.

FFA: Chapter Leadership & Development 1095A & 1095B (Full Year Course) Grades 10-12

This class is designed to allow for daily communication between four very important parts of the local FFA Chapter, the advisors, officers, committees, and general members. CLD is designed to allow for all of these areas to work together in a continuous manner that will allow for more chapter success. This class will work to lead and direct the Midland FFA Chapter and its partners towards the achievement of their goals. The class will be broken into the following areas: Chapter Officers, Program of Activities Committee Chairpersons, Program of Activities Committee Members. The Midland FFA Officer Team will be selected from the membership that registers for this class.

Independent Ag 1012A & 1012B (2 Sem Course) Grade 11-12

Instructor approval required. This independent course allows students to explore a topic of interest related to agriculture, food, and natural resources. This course may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

In The Kitchen 1073 (1 Semester) Grades 10-12

Every day food is needed for nourishment to provide a healthy life. In this class we will explore the substances we eat, their make-up, and the processes used to alter these substances to make them more suitable and available for consumption. Food industries will be examined including Beverage/Dairy/Meat/ and Cereal. World Hunger and the Future of Food (Biotechnology) will be explored as it affects the student's daily life and others around the world.

CASE: Ag Research and Development 1046A & 1046B (2 Semester Course) Grade 12

This is an independent course and is only recommended for students who are highly motivated, organized and can work independently. The Agricultural Research and Development (ARD) course is the capstone designed to culminate students' experiences in agriculture, based on the pathway of study they pursued. Woven throughout the course are projects and problems based in practical applications and designed to develop and improve employability skills of students. Students will further enhance research, critical thinking, and teamwork skills as they expand on content knowledge from previous CASE courses. Students will work to solve complex, real-world problems through a focused research project. This process will include conducting research, data analysis and communication, and the development of new products. *Prerequisites: CASE: Agriculture, Food, and Natural Resources, CASE Plant Science or CASE Animal Science and CASE Food Science and Safety*

Ag Internship 1047 (1 Sem Course) *Must apply and be approved - credits depend on hours completed* **Grade 12**
Local employers partner with schools to offer this unique opportunity for work-based learning in an agricultural area. Interested students must successfully complete an application and interview in the selection process. Applications, internship job descriptions and session schedules can be found at www.workplace-learning.org Students learn new skills, apply classroom knowledge and develop successful work place behaviors. The AREA 10 Student Internship Program can help students gain the insight necessary to make an informed career choice. Students must complete 45-90 hours of on-site learning during the term, attend and participate in 6 hours of career skill development meetings and complete a guided student journal in order to receive elective high school academic credit.

BUSINESS

Introduction to Business 1280 (1 Semester Course) **Grades 9-12**
Focuses on American and global business and introduces students to each primary facet of operating a business. This course will help the student understand economic, social and political influences that affect business success.

Accounting 1-A 1200A (1 Semester Course) **Grades 9-12**
This class is the first semester of Accounting I. It introduces the student to double-entry accounting. Emphasis is placed on a small service business as a sole proprietorship and progresses through partnership and corporate accounting. This course is a required course to all post-secondary business degrees. Students may enroll for 1st semester only, or for full year. This course is articulated with Kirkwood Community College.

Accounting 1-B 1200B (1 Semester Course) *Prerequisite Accounting 1-A* **Grades 9-12**
This class is the second semester of Accounting I. This course may be taken the semester immediately following Accounting I-A or in a subsequent year. Emphasis is placed on partnerships. Topics include checkbook management, income taxes, depreciation, notes and interest, payroll, vouchers, petty cash and inventory. This course is a required course to all post-secondary business degrees. This course is articulated with Kirkwood Community College.

Computer Business Applications 1202 (1 Semester Course) **Grades 9-12**
Provides basic development and integration of software applications using Microsoft Office. Students will learn applications that include Word, Access, Excel and PowerPoint via Microsoft Office OneNote training material and G'Metrix practice exams independently. This is an independent self-pace learning course. Assessments are authentic Microsoft Office professional certification exams. Students have the chance to earn MS Office certifications for free. Great resume item!

Entrepreneurship 1203 (1 Semester Course) *Prerequisite: Accounting IA* **Grades 9-12**
This course is designed for those who have an interest in starting their own business. It introduces the student to how to start a business, what is needed to start and how to maintain a simple business. Students will be able to prepare financial statements, understand marketing basics, perform cost/benefit analysis and calculate return on investment (profit/loss). They will also develop an understanding of what it means to be an entrepreneur and how they can use their unique skills and talents to start a small business venture.

Personal Finance for Life 1201 (1 Semester Course) **Grades 11-12**
This course will inform students how individual choices directly influence occupational goals and future earnings potential. Real world topics covered will include income, money management, spending and credit, as well as saving and investing. Students will design personal household budgets utilizing checking and savings accounts, debt and credit management, insurance(s), household, food and entertainment expenses and taxes. The course also has students find a possible career choice of which they create the budget around, create a resume for and do a mock interview for. This course will provide a basic understanding for making informed personal financial and career decisions leading to financial independence.

FINE ARTS

Drawing and Sketching 1110 (1 Semester Course) **Grades 9-12**
This course is designed to further a student's knowledge of drawing and drawing media. We will learn to draw by learning to look. The class will be focused on experimenting with a variety of media and techniques.

Art History A: Pre-historic through gothic periods 1105 (1 Semester) **Grades 9-12**
This class will focus on learning the vocabulary of art and the process of looking at art. Art History A will look at art from prehistoric periods through the gothic era.

Art History B: Renaissance through modern periods 1106 (1 Semester) Grades 9-12

This class will focus on expanding the visual vocabulary and the process of looking at art. Art History B will look at art from the time of the Italian Renaissance through Modern art movements. *Art History A is recommended prerequisite.*

Painting 1180 (1 Semester Course) Grades 9-12

This course will introduce a variety of painting methods, styles, and media. Painting class will include an introduction to color theory, tempera, acrylic and oil painting. Ideas will be developed from life drawings, photographs, and inspired by Master Artists.

Ceramics 1169 (1 Semester Course) Grades 9-12

This course will introduce the methods and basics of pottery and ceramics creation. Students will learn hand building techniques such as pinch, coil, and slab construction along with the use of the potter's wheel. A variety of functional and sculptural pieces will be created throughout this course.

Advanced Ceramics 1168 (1 Semester Course) Pre-requisite ceramics. Grades 9-12

This course will further explore the various ceramic construction methods, glazing, firing, and history of Ceramic production. Students will continue developing hand building techniques and skills, such as pinch, coil, and slab construction along with the use of the potter's wheel. Throughout this class we will have a greater focus on design in creating a variety of functional and sculptural pieces.

GAP - Graphics, Animation, and Photography 1103 (1 Semester Course) Grades 9-12

This course is designed to introduce students to graphic design, animation, and photography. Students will learn and apply the elements and principles of design, the basics of digital photography, and stop motion animation. Students will learn and use computer aided design, photo editing, and movie making.

Senior Art Studio 1185 (1 or 2 Semester Course) Grade 12

Minimum grade of B in any previous art class and teacher approval are required prior to enrollment in this course.

This course is highly independent. Students will contract for working hours as a portion of their grade and complete generally self-chosen projects.

Music Appreciation (1 Semester) Grades 9-12

This course will explore a wide variety of musical styles, forms, composers, instruments, and performers. Involves many different projects that help students relate to how music affects their daily lives. Students will acquire the vocabulary, concepts, and history necessary to critique/listen to music in an intelligent manner. Students will develop skills in analyzing, listening, and creating music in order to gain an understanding of, and respect for, the role and importance of music in their lives. These skills will aid the student in: responding emotionally and intelligently to a range of music representative of many styles and cultures; understanding the social uses of music and valuing music accordingly; recognizing music as an important marker of its time and culture; developing knowledge, understanding and respect for human musical achievements, and; acquiring an overview of their own musical heritage, including the importance of music in all cultures.

IMPORTANT BAND/VOCAL INFORMATION: *In order to be eligible for the music trip during your high school years, you must participate in all semesters of band and/or vocal leading up to the music trip. *Exception is a scheduling issue that cannot be avoided or for students who move into the Midland district. *Eligibility for the trip will be verified with administration at the beginning of the trip year.*

IF STUDENT TAKING BOTH BAND AND VOCAL SIGN UP FOR COURSES: 1913 & 1911

Band 1900A / 1900B (Full Year Course) Grades 9-12

Prerequisites: Previous experience playing a band instrument. Students must enroll for full year.

This course is available to all students under the eligibility rules established by the Iowa High School Music Association. The Midland Band meets daily and counts towards a student's GPA. The main objective of the band is to practice as a group and perform quality music that is enjoyable for them to play and perform. Individual lessons are also available during the week to improve student proficiency on their instrument when scheduled with their teacher. There are many performance opportunities during the school year. In the fall, the Drumline and PEP Band perform at home football games during halftime and the Homecoming parade. There are three major concerts during the year –Winter Concert, Spring Concert and Graduation. In addition, the band will perform at the Large Group State Contest. Other opportunities are available for students to participate in such as Drumline, Jazz Band, Solo and Small Group Music Contest, Variety Show and various Honor Bands.

Vocal 1912A / 1912B**(Full Year Course)****Grades 9-12**

This course is available to all students under the eligibility rules established by the Iowa High School Music Association. The choral groups participate in school programs, community programs and presents two concerts each year. *Students must enroll for full year.*

The vocal music department offers the following opportunities:

1. Chamber Choir - open to any high school student who is interested in vocal music. Chamber Choir performs literature of various styles and periods of time and participates in various concerts, festivals, and contests. Rehearses during the school day.
2. Impromptu - participation in this group is open to all students and is a student directed audition-based group. Rehearsals begin in September through the end of the school year. This group performs a wide variety of music (primarily a cappella), including popular styles. May perform at the solo-ensemble contest, graduation, and/or at the music concerts. Failure to attend rehearsals may result in elimination from the group.
3. Fall Musical - Participation in the musical is available to all students. Customarily, most musical rehearsals are before school or immediately after school unless other times are established between the teacher and performers. Failure to attend rehearsals may result in elimination from the production.
4. Solo & Ensemble Contest - Due to state guidelines, this event is only open to those who are in Chamber Choir. This state-sponsored contest occurs in the spring and gives students the opportunity to sing solos or in small groups.
5. Large Group Festival - Due to state guidelines, this event is only open to those who are in Chamber Choir. This state-sponsored contest occurs in the spring and gives the students the opportunity to sing as a large group.
6. Variety Show - Open to all students on an auditioned basis.
7. Honor Choirs - may include the following: Tri-Rivers Honor Choir (middle school and high school separate), Dorian Vocal Festival at Luther College, Real Men Sing at Wartburg College, Miestersinger Honor Choir and others.

FOREIGN LANGUAGE

Spanish I**1500A & 1500B****(Full Year Course)****Grades 9-12**

This course will be basic introduction to the language and culture of Spanish speaking countries. The four skills of communication: reading, writing, speaking, and listening will form the base of this course. An emphasis will also be given to obtaining an understanding of basic grammatical concepts and developing a vocabulary base in Spanish.

Spanish II**1510A & 1510B****(Full Year Course)***Prerequisite: Pass Spanish I***Grades 10-12**

This course will be a continued study of the language and culture of Spanish-speaking countries. Grammar and vocabulary development will continue as well as an even greater emphasis on the oral and written skill. The present tense of verbs is reviewed, with extra practice given to the past tense.

Spanish III**1520A & 1520B****(Full Year Course)***Prerequisite: Pass Spanish II***Grades 11-12**

This course will develop more advanced grammar skills as well as fluency in writing, reading, speaking and listening. There will be review of the present and past tense with new practice in the future and conditional tenses. An emphasis will be given to daily conversation and applying Spanish to everyday uses.

Spanish IV**1530A & 1530B****(Full Year Course)***Prerequisite: Pass Spanish III***Grade 12 ONLY**

This course will provide a continued emphasis on fluency, using all speaking tenses in the target language. There will be group presentations in Spanish as well as the study of Spanish history, culture, and literature to help provide the base for this course. **Successful completion of Spanish 4 = 2 social studies requirement credits awarded.*

HEALTH EDUCATION

Health I 1602 (1 Semester) Grade 9-12

This required course is designed to provide the basis to help students adopt and maintain healthy behaviors. Health education should contribute directly to a student's ability to successfully practice behaviors that protect and promote health and avoid or reduce health risks. Students in this course will learn essential health concepts, determine personal values that support healthy behaviors and develop skills necessary to combat societal problems. Priority areas taught in this course include, promoting health and wellness, physical activity, healthy eating, promoting safety and preventing unintentional injury and violence, promoting mental and emotional health, a tobacco-free lifestyle, sexual education and an alcohol- and other drug-free lifestyle.

Health II 1615 (1 Semester Course Semester Course) Grades 10-12

This course is designed as an extension of the Health I class. This class will expand knowledge gained through Health I and look more in depth with issues pertaining to upperclassman. Students will evaluate and analyze topics more in the framework of discussion, problem solving, and evaluation. Whereas Health I is more of an introduction course, this class will be more skill driven and prepare the student for proper decision making in regards to healthy life choices. *Prerequisite successfully complete Health I.

Fitness for Life 1621 (1 Semester) Grades 9-12

This course is designed to present students with a well-balanced program in developing life-long fitness habits. Activities and course learning will be centered on recreational games, food and nutrition, and prevention of injuries.

Athlete Development 1622 (1 Semester) Grade 9-12

This is offered from 7am – 7:45. The course is designed for aspiring or current athletes. Course content and activities focus on strength, agility, speed, and endurance training. In addition, students will learn about kinesiology, nutrition for athletes, and the prevention and treatment of sports related injuries.

INDUSTRIAL TECHNOLOGY *All courses have section limit of 12 students.*

Intro to Architecture, Construction & Engineering 1707 (1 Semester Course) Grades 9-12

This course exposes students to opportunities available in construction-related trades, such as carpentry, masonry, air conditioning/ refrigeration, plumbing, etc. Students learn about the processes involved in construction projects and may engage in a variety of small projects. These courses emphasize responsibilities, qualifications, work environment, rewards, and career paths within construction related fields.

Woodworking I 1087 (1 Semester) Grades 9-12

This class will provide an overview in the following areas: shop safety, proper procedures, woodworking tools, and finishing techniques. Safe operational set-up and procedures will be heavily stressed. It is the intent of the course to provide students with a broad background in the area of woodworking and skill development. The finished project is a Shaker Hall Table. Cost of materials used are due at the end of each quarter. The Shaker Hall Table cost is approximately \$60. *Woodworking II will be offered in 2019-2020.*

Mechanical Drafting 1074 (1 Semester) Grades 9-12

The drafting course is designed to give students a general introduction of the principles and practices of drafting or making drawings for industrial use. This includes drawing in the following areas: orthographic, isometric, oblique, one and two point perspective, and surface developments.

Metals I 1017 (1 Semester) Grade 9-12

Course gives students the opportunity to learn both from a lecture and hands-on approach. This course gives students the opportunity to build skills in the areas of shop safety, shield metal arc welding (SMAW), gas metal arc welding (GMAW), gas tungsten arc (GTAW), plasma cutting processes, sheet metal, metal casting, and machining along with the use of other metal shop machines and hand tools. *Metals II will be offered in 2019-2020.*

Home Improvement / Construction Technology 1025 (1 Semester) Grades 10-12

This class will provide the learner an opportunity to learn about the residential construction systems. Emphasis will also be placed on studying methods of construction to aid in the knowledge of home repair and new home construction. Students will gain experiences in framing, interior and exterior finishes, plumbing, electrical, HVAC, drywall, and roofing. This course is a must for those students planning to enroll in the Building Trades Course or who plan to enter into a construction related field. *Prerequisite: Intro to Ace or Woodworking I*

Architecture Drafting 1075 (1 Semester) Prerequisite: Mechanical Drafting Grades 11–12

This is a *college level course* covering residential design, floor plans, basement/foundation plans, sections and details, exterior elevations, electrical and plumbing plans, and climate control. 50% of all work will be on the computer.

LANGUAGE ARTS/ ENGLISH

English Language Arts I 1300A & 1300B (Full Year Course) Grade 9

Students will read and analyze a variety of short stories, poems, plays and novels. This class will also consist of writing a variety of papers, possibly including a research paper. In addition to reading and writing, speaking and listening will be a focus.

Language Arts Lab 1327A & 1327 (1 or 2 Semester Course) Grades 9-12

This elective course was created and is supported by the Iowa Department of Education to help students improve reading success through the use of a variety of strategies, including graphic organizers and writing. Strategies taught will be applicable to all content area courses and beyond. **Students are recommended for this program based upon ITBS/ITED scores.* ** Elective credit only unless IEP or administrative approval, not an English requirement course.

English Language Arts II 1320A & 1320B (Full Year Course) Grade 10

This required course concentrates on reading, writing, speaking, and listening. Students will read, analyze, and evaluate short stories, plays, novels, non-fiction, and poetry. Students will also review the fundamentals of writing and develop a variety of papers and essays.

English Language Arts III 1338A & 1338B (Full Year Course) Grade 11

Students will read and analyze a variety of pieces of American literature including short stories, novels, plays and poetry, with a focus on reading, writing, listening, speaking, and 21st century skills. Students will continue to hone and develop their writing skills with an emphasis on literary analysis of selected works.

English Language Arts IV 1332A / 1332B (Full Year Course) Grade 12

This course will teach students communication skills—reading, writing, listening, speaking—concentrating on “real world” applications. This course will emphasize the practical application of communication as a business tool—using technical reports and manuals, business letters, resumes and applications. In addition, this course will emphasize language arts skills as applied to scholarly and literary materials.

Nonfiction Studies 1337A & 1337B (Full Year Course) Grade 12

Students will be given the opportunity to research world events through non-fiction literature and film. Students will write a variety of papers including a major college-style research paper. This thematic course emphasizes the improvement of the following skills: formal writing, public speaking, critical thinking and writing, peer response, and small group cooperation.

Composition (Writing) 1334 & 1334B (Full Year Course) Grades 11 & 12

Composition focuses on students’ writing skills and the development of their ability to compose different types of papers for a range of purposes and audiences. This course enables students to explore and practice descriptive, narrative, persuasive, or expository styles as they write paragraphs, and essays. In addition, students will explore, develop and improve their technique and individual style in poetry, drama, short stories and other forms of prose.

MATHEMATICS

Algebra I 1825A / 1825B (Full Year Course) Grades 8-10

Algebra I has a scope far wider than traditional algebra books, highlighting applications, using statistics and geometry to develop the algebra of linear equations and inequalities, and including probability concepts in conjunction with algebraic fractions. Applications motivate virtually all lessons. Considerable attention is given to graphing. Manipulation with rational algebraic expressions is delayed until later courses.

Geometry 1830A / 1830B (Full Year Course) Prerequisite – Algebra I Grades 9-12

UCSMP Geometry, diverging from the order of topics in most geometry texts, presents coordinates, transformations, measurement formulas, and three-dimensional figures earlier in the year. To teach students how to write proofs and construct other mathematical arguments more effectively, the course lays a foundation of prerequisite understanding step by step. Again, applications abound throughout.

Transition Algebra 1832A/1832B (Full Year Course) Prerequisite – Geometry Grades 10-12

Course reviews and extends algebra and geometry concepts for students who have already taken both Algebra I and Geometry. Reviews and extends topics such as properties and operations of real numbers, evaluation of rational algebraic expressions; solutions and graphs of first degree equations and inequalities; translation of word problems in equations; operations with and factoring of polynomials; simple quadratics; properties of plane and solid figures; rules of congruence and similarity; coordinate geometry including lines, segments, and circles in the coordinate plane; and angle measurement in triangles including trigonometric ratios.

Algebra II 1840A / 1840B (Full Year Course) Prerequisite - Algebra I Grades 10-12

This course emphasizes facility with algebraic expressions and forms, especially linear and quadratic forms, powers, and roots, and functions based on these concepts. Students study logarithmic, trigonometric, polynomial, and other special functions as tools for modeling real-world situations. The course applies geometrical ideas learned in the previous years, including transformations and measurement formulas.

Precalculus 1891A / 1891B (Full Year Course) Quality points = 4.5 Prerequisite: Algebra II Grades 11-12

This course covers foundations of real analysis, analytic geometry, sequences, series, limits, exponential and logarithmic functions, differential and integral calculus (an introduction only). Recommended taken by all students planning on a 4 year college or technical school. It is highly recommended that the student have for their own permanent use a TI-83 calculator.

Calculus 1850A / 1850B Quality points = 5.0 (Full Year Course) Prerequisite: Precalculus Grade 12

This course uses technology, group work, and individual study. This class will study functions, parametric equations and polar equations. The student will do mathematical modeling of the real world. We will work at limits, the derivative and the integral and discover what they really are. It is highly recommended that the student have for their own permanent use a TI-83 calculator. The expectation is for the student to take the AP exam in the spring.

Consumer Math 1800A / 1800B (Full Year Course) Grades 11-12

Consumer Math reinforces general math topics such as arithmetic using rational numbers, measurement, ratio and proportion, and basic statistics, and applies these skills to consumer problems and situations. Applications typically include budgeting, taxation, credit, banking services, insurance, buying and selling products and services, home and/or car ownership and rental, managing personal income, and investment.

SCIENCE

Earth Science 2101A/2101B (Full Year Course) Grades 9-12

This course investigates the environment on earth and the earth's environment in space. Units in the course cover the following topics: Origin of the Universe and the solar system; Earth's interior and plate tectonics; landscapes and surface processes; geological history and evolution of life; Earth-Sun-Moon system; weather; geography, climate and human cities.

Biology 2110A / 2110B (Full Year Course) Grades 9-12

This course will help students examine the characteristics and relationships of living organisms to each other and their environment. Other aims include an introduction of the basic unit of living things (cells), the use of the microscope, and an awareness of the great variety of organisms and their significance in the world today.

PLTW – Principles of Biomedical Science 2126A / 2126B (Full Year Course) Grades 10-12

In this introductory class to the PLTW Biomedical Science Program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes. ***Quality Points = 4.5*

PLTW – Environmental Sustainability *Q.P.=4.5* 2128A / 2128B (Full Year Course) Grades 10-12**

In Environmental Sustainability, students investigate and design solutions in response to real world challenges related to clean and abundant drinking water, food supply issues, and renewable energy. Applying their knowledge through hands-on activities and simulations, students research and design potential solutions to these true-to-life challenges.

Chemistry 2120A / 2120B (Full Year Course) Recommended prerequisite: Algebra I Grades 10-12

This course studies the foundations of Chemistry and to nurture understanding of chemicals and how or why chemical reactions occur. The class will discuss atomic theory, the periodic table, stoichiometry, acid-base relationships, reduction/oxidation, gas laws, and thermodynamics. Class work and lab work coexist in this course to better reinforce the ideas of chemistry.

Advanced Biology 2115Q / 2115BQ (Full Year Course) *Prerequisite: Biology* **Grades 11-12**
***Quality points = 4.5* This course is designed for college bound students preparing for careers in science and health. It will help students develop basic skills by participating in field and lab studies in zoology and genetics.

Human Anatomy and Physiology 2140AQ/2140BQ (Full Year Course) ***Quality points = 5.0* **Grades 11-12**
This course is designed for the college bound student who plans to study in the areas of science, health, or physical education. The main subject areas are the major systems of the body; their structure and function.

Physics 2130AQ / 2130BQ ***Quality points = 4.5* **(Full Year Course)** **Grades 11-12**
This course will cover through reading, laboratory exercises, discussion, and problem solving the ideas of mechanics, motion, gravity, forms of energy, light, optics, electricity, and nuclear physics. *Prerequisites - Algebra I & II*

CASE: Principles of Agricultural Science – Animal 1032A/1032B (Full Year) **Grades 10-12**
Student experiences will involve the study of animal anatomy, physiology, behavior, nutrition, reproduction, health, selection and marketing. Throughout the course students will consider the perceptions and preferences of individuals within local, regional, and world markets. Students will explore hands-on projects and activities to learn the characteristics of animal science and work on major projects and problems similar to those that animal science specialists, such as veterinarians, zoologists, livestock producers, and industry personnel face in their respective careers. *Prerequisite AFNR or instructor approval.*

CASE: Principles of Agricultural Science – Plant 1033A/1033B (Full Year) **Grades 10-12**
Students will learn how to apply scientific knowledge and skills to use plants effectively for agricultural and horticultural production. Students will discover the value of plant production and its impact on the individual, as well as the local and global economy. Lessons throughout the course will provide an overview of the field of agricultural science with a foundation in plant science. Students will work on major projects and problems similar to those that plant science specialists, such as horticulturalists, agronomists, greenhouse and nursery managers, and plant research specialists face in their respective careers. *Prerequisite AFNR or instructor approval.*

CASE: Food Science and Safety 1034A/1034B (Full Year) **Grades 11-12**
Students will complete hands-on activities, projects, and problems that simulate actual concepts and situations found in the food science and safety industry, allowing students to build content knowledge and technical skills. Students will investigate areas of food science including food safety, food chemistry, food processing, food product development, and marketing. Students will maintain a research level laboratory notebook throughout the class documenting their experiences in a laboratory. Research and experimental design will be highlighted as students develop and conduct industry appropriate investigations. *Prerequisite plant or animal or instructor approval.*

CASE: Ag, Power and Technology 2160A/2160B (Full Year) **Grades 10-12**
Agricultural Power and Technology is a foundation level course designed to prepare students for the wide array of career opportunities in agricultural engineering. Students are immersed in inquiry-based exercises that tie in the math and science of agricultural mechanics and engineering. Science standards addressed include structure and properties of matter, chemical reactions, nuclear processes, force & motion, interactions, conservation of energy & energy transfer, and more.

SOCIAL STUDIES

**Successful completion of 8 credits of Spanish, through Spanish 4 S2 will result in 2 social studies required credits earned.*

Modern US History 2225A / 2225B (Full Year Course) **Grade 9**
This course examines the history of the United States from the Civil War or Reconstruction era through the present era, may include a historical review of political, military, scientific, and social development.

World History 2230A / 2230B (Two 1 Semester Courses) **Grade 10**
Semester 1- **Ancient World History 2230A:** This course is designed to give students an understanding of ancient world history. It consists of a comprehensive study of world civilizations from the stone age to the Roman Empire. Regions studied include Egypt, Sumer, India, China, Greece, Rome and the Americas.
Semester 2 - **Modern World History 2230B:** This course is designed to give students an understanding of world history from the middle ages to the present. Topics include the Renaissance, imperialism, nationalism, through democracy and revolution.

Iowa History 2222 (1 Semester Class) Grade 9-12

This course examines the history, politics, economy, and culture of Iowa. The course may focus on the history of Iowa or may look into the contemporary issues affecting it.

Women in U.S. History 2256 (1 Semester Course) Grades 9-12

In the last 30 years, the study of women's history has become a thriving academic enterprise. Spurred by feminist revival and the zeal of a new generation of women, courses in women's history have multiplied. These courses have made women historically visible and brought focus to the woman's experience, values, relationships, and politics.

Current Events 2245 (1 Semester Course) Grades 9-12

Current Events is a one-semester course structured to give the student an understanding of current issues in many areas of a political, social, and economic nature. The course emphasizes projects done by the student since the topics chosen are very fluid in their nature, meaning that the topics and the amount of coverage on the topics will fluctuate on any given day, week, or month depending on topics current in the media.

20th Century US History 2280 (1 Semester Course) Grades 10-12

This course is a continuation of where we left off with Modern US History.

21st Century US History 2281 (1 Semester Course) Grades 10-12

This course is the history of the U.S. during the student's life, so the most recent history of the United States.

Psychology 2275 (1 Semester Course) Grades 11-12

This course examines the history and development of psychology, the brain and neurological functions, and individual personality. In addition, psychological research, famous psychologists, and their research are addressed. Other topics include sleep and dreams, as well as mental illness and other psychological disorders.

Psychology II 2276 (1 Semester Course) Grades 11-12

This course examines learning, thinking, and socialization. In addition, psychological development from infancy to adulthood is covered. Other topics include intelligence, memory, and the role of gender and culture on our way of thinking.

Economics 2240 (1 Semester Course) Grades 11-12

This course is designed to prepare students for making the day to day business decisions of a consumer. Topics will include basic economic concepts, the operation of our economic system, supply and demand theory, finance and banking, labor and income relations, and the role of our government in the economy.

Government 2250 (1 Semester Course) Grades 11, 12

This course is a functional study of American national government. Units studied include the presidency, congress, federal courts, civil rights, political parties, and political behavior and elections.

MISCELLANEOUS

Computer Science Essentials 1236A / 1236B (2 Semester Course) Grades 9-12

With emphasis on computational thinking and collaboration, this year-long course provides an excellent entry point for students to begin or continue the PLTW Computer Science K-12 experience. Computer Science Essentials will expose students to a diverse set of computational thinking concepts, fundamentals, and tools, allowing them to gain understanding and build confidence.

In Computer Science Essentials, students will use visual, block-based programming and seamlessly transition to text-based programming with languages such as Python to create apps and develop websites, and learn how to make computers work together to put their design into practice. They'll apply computational thinking practices, build their vocabulary, and collaborate just as computing professionals do to create products that address topics and problems important to them. Computer Science Essentials helps students create a strong foundation to advance to Computer Science Principles, Computer Science A, and beyond.

PLTW Computer Science Principles 1234 & 1234A (2 Semester Course) Grades 10-12

Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. This course can be a student's first course in computer science, although we encourage students without prior computing experience to start with Computer Science Essentials. CSE helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation. This course aligns with the AP Computer Science Principles course. *Prerequisite successfully complete Computer Science Essentials (Intro to Computer Science) 1 or teacher approval if coding experience elsewhere. **Quality points = 4.5*

Pathways to Careers 1465 (1 Semester Course) Grades 9-12

This course helps students identify and evaluate personal goals, priorities, aptitudes, and interests with the goal of helping them to make informed decisions about their careers. Additionally, students will be exposed to various sources of information on career options as well as the different pathways available for career and training options - certificate, 2 year, 4 year, etc. Finally, the course will assist students in developing employability skills as outlined in the Iowa Core.

Tutoring Practicum 0760 (1 Semester Course) Must be preapproved see Mrs. Reilly Grade 9-12

Provides student with the opportunity to offer tutorial assistance to his/her peers or younger students. After an initial training period during which students learn how to work with other students and how to make use of the available resources (e.g., staff, written material, computer skills, and so on), students engage in tutoring and assisting others who need or request help. Tutors will fill out an application form prior to enrollment in the course. Minimum requirements are: trustworthiness, positive attitude, desire to help peers, GPA of 3.0 or higher, excellent attendance, reliable.

Technology Aide 0730 (1 Semester Course) Must be preapproved see Mrs. Reilly Grades 10-12

Provide students with opportunity to help set up and maintain school network and computers. Duties may include installing software, adding/deleting users, troubleshooting computer problems. Contingent upon teacher approval, no more than one student per semester will be selected.

Library Aide 0745 (1 Semester Course) Must be preapproved see Miss Doll Grades 11-12

Library Aide courses provide students with the opportunity to work in the library or in media and audiovisual centers. Duties may include collecting, distributing, and categorizing materials; operating audiovisual equipment; assisting students and teachers; and performing clerical duties. Students typically gain experience in library science and/or media and audiovisual technology. *See Miss Doll for application.*

Office Aide 0740 (1 Semester Course) Limit 1 per semester, must apply and be approve Grade 12

Office Aide courses provide students with the opportunity to work in campus offices, developing skills related to clerical office work. Duties may include, among others, typing, filing, recordkeeping, receiving visitors, answering the telephone, and duplicating. Emphasis is placed on appropriate work attitude, human relations, and proper office procedures. *Limited number, preference given to those with interest in secretarial related field. Pick up application form at office.*

Science Aide 0742 (1 Semester Course) Must be preapproved by teacher Grades 11-12

Course offers student the opportunity to assist instructor in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students and may serve as laboratory assistants. *See science instructor for application.*

Introduction to Teaching 0750 (1 Semester Course) See Mrs. Reilly for application Grade 12

This course is a senior vocational training program that is designed to closely parallel a teachers' assistant in a school setting. Students will gain exposure to life as a teacher in a junior high classroom. This class will help prepare students to become a certified teacher and will acquire greater knowledge of the educational field. Students will engage in a variety of activities such as working one on one with a student to making lesson plans to actual teaching.

Internship 5020 (1 Sem Course) Must apply and be approved - credits depend on hours completed Grade 12

Area 10 Student Internship Program is coordinated through the Workplace Learning Connection. Local employers partner with schools to offer this unique opportunity for work-based learning. Students may apply for a career specific internship opportunity within their pathway of interest. Interested students must successfully complete an application and interview in the selection process. Applications, internship job descriptions and session schedules can be found at www.workplace-learning.org. Students learn new skills, apply classroom knowledge and develop successful work place behaviors. The AREA 10 Student Internship Program can help students gain the insight necessary to make an informed career choice. Students must complete 45-90 hours of on-site learning during the term, attend and participate in 6 hours of career skill development meetings and complete a guided student journal in order to receive elective high school academic credit. *See Mrs. Reilly for application info.*

Driver Education (summer course) 9998 0 credit 14 years & have current IA drivers permit

This course is designed to teach students the correct attitudes and skills of operating a motor vehicle. The content consists of a minimum of 30 hours of classroom instruction & 6 hrs. of behind the wheel driving. Classes will be 2 hours long. The instructors will allow 2 excused absences from class and the 3rd will result in being dropped from the class and placed at the bottom of the priority list. *Any student who fails driver education will only be re-admitted with the principal's approval & availability of space in the class. A student who fails driver education will be charged tuition each time taken.* Course fee is determined by the board of directors each year and is due by the 1st day of class. Oldest students will have priority.

Special Education

Students are staffed into a Resource Program or Self-Contained with Integration Program by evaluation of Grant Wood Area Education Agency. Credit is earned based on individual IEP's and/or classroom performance (assignments and exams). Each program is governed by state, federal and local guidelines. Credit earned in these programs can be applied toward graduation requirements.

Functional (or Transition) program is an IEP based program that focuses on independence within the community. Every student that participates in the program will have different goals based on their needs, thus the course descriptions are defined by the individual student's educational program. Reading, math, science, and language arts are taught throughout the functional curriculum with the primary focus on life skills.

Kirkwood Academy Offerings 18-19

The tentative Career Academy schedule for 2018-19 is below. Unless noted otherwise, in addition to their Career Academy selection students may also select one fall and one spring companion course. **Academy schedule placement may be subject to change.** *Your district may not offer all of these academies and courses.

AM Academies meet each day from 8:30-10:00 a.m. AM Companion Courses meet 10:00-10:55 a.m.

PM Academies meet each day from 1:30-3:00 p.m. PM Companion Courses meet 12:30-1:30 p.m.

* Indicates academy is 2.5 hours.

++These industrial technology academy curriculum are still pending/subject to change

Advanced Manufacturing/Welding*++ -PM only (17 Credits)

Students in this academy will not need to select companion courses.

CNC Mill Operator (NIMS) 3 MFG-291 CNC Lathe Operator (NIMS) 3 MFG-292
Introduction to Welding Safety and Health for Welders (SENSE 1) 1 WEL-228
Virtual Reality Welding 1 WEL-153 Manual Press Brake Operations (NIMS) 3 MFG-287
Gas Metal Arc Welding Short Circuit Transfer (SENSE 1) 2 WEL-244
Gas Metal Arc Welding Spray Transfer (SENSE 1) 2 WEL-245
Gas Tungsten Arc Welding (GTAW) for Carbon Steel (SENSE 1) 2 WEL-251

Architecture, Construction & Engineering)*++ -AM only (12 Credits)

Construction Lab 3 CON-190 Architectural Plans & Specs 3 CON-101
PLTW-Civil Engineering & Architecture 3 EGT-460 Architectural Modeling 3 CON-410

EMT -PM only (15.5 Credits)

Exploration of Healthcare Careers 3 HSC-205 Medical Terminology 4 HSC-115
Emergency Medical Technician I 4 EMS-255 Emergency Medical Technician II 3.5 EMS-350
Emergency Medical Technician II Clinical: 1 EMS-365

Project Lead the Way (PLTW) Engineering Academy (6 Credits)

Introduction to Engineering Design 3 EGT-400 Principles of Engineering 3 EGT-410

Graphics, Media and Communications Academy - PM only (12 Credits)

Digital Photography 3 ART-186 Illustrator 3 GRA-127
Digital Layout 3 GRA-131 Digital Imaging 3 GRA-140

Hospitality Management -PM only (11.5 Credits)

Intro to Lodging Operations 2 HCM-600
Sanitation and Safety 2 HCM-100
Introduction to Computers 3 CSC-110

Hospitality Marketing & Social Media 3 HCM-615
Menu Planning 1.5 HCM-207

Networking and Computer Support Academy

Network Plus 3 NET-165
Programming Concepts 3 CIS-128

-AM only (12 Credits)
Computer Hardware Basics 3 NET-122
Advanced PC Concepts 3 NET-137

Computer Programming and Web Development Academy -PM only (12 Credits)

Intro to Programming Logic 3 CIS-121
Java 3 CIS-171

Fundamentals of Web Programming 3 CIS-207
Client Side Scripting 3 CIS-280

Patient Care -AM or PM (12.5 Credits)

Exploration of Healthcare Careers 3 HSC-205
Professionals in Health 2 HSC-107

Medical Terminology 4 HSC-115
Nurse Aide (CNA Certification) 3.5 HSC-168

Automotive Technology -AM or PM (15 Credits)

++Students in this academy will not need to select companion courses.

Introduction to Automotive Technology 3 AUT-104
Industrial Math I 3 MAT-715

Maintenance and Light Repair 4 AUT-100
Basic Automotive Electricity 5 AUT-611

Water Environmental Technology -ONLINE ONLY (13 Credits)

*School district is not eligible for Supplemental Weighted Funding

Water Analysis 3 WAT-300
Water Distribution Systems 3 WAT-305

Water Treatment I 4 WAT-304
Internship* 3 WAT-932

Arts & Sciences: Liberal Arts Transfer Academy

Our role is to provide students with the most customized academy package. Students will answer a few key questions on the application so we can advise, determine and register students for the most applicable courses. Courses available include:

Composition I ENG-105 3.00

Composition II ENG-106 3.00

Environmental Science ENV-115 3.00

Introduction to Ethics PHI-105 3.00

Nutrition BIO-151 3.00

Principles of Macroeconomics ECN-120 3.00

Principles of Marketing MKT-110 3.00

Fundamentals of Oral Communication SPC-101 3.00

Intro to Psychology PSY-111 3.00

U. S. History to 1877 HIS-151 3.00

Social Problems SOC-115 3.00

Statistics MAT-157 4.00

Business Innovation MGT-112 3.00

Companion Course Offerings

Preliminary listing. Subject to change based on enrollment and faculty availability.

AP Calculus-Sem 1 SMAT-S12058 HS Credit

Computer Science Principles CIS-450 3.00

Environmental Sustainability EGT-415 3.00

Fundamentals of Oral Communication SPC-101 3.00

Intro to Computers CSC-110 3.00

Intro to Psychology PSY-111 3.00

Introduction to Sociology SOC-110 3.00

Nutrition BIO-151 3.00

Principles of Marketing MKT-110 3.00

Survey of World Religions REL-101 3.00

Business Innovation MGT-112 3.00

AP Calculus-Sem 2 SMAT-S22058 HS Credit

Digital Photography ART-186 3.00

Exploring Teaching EDU-110 3.00

How College Works SDV-105 3.00

Intro to Criminal Justice CRJ-100 3.00

Introduction to Business BUS-102 3.00

Music Appreciation MUS-100 3.00

Principles of Macroeconomics ECN-120 3.00

Statistics MAT-157 4.00

Intro to Ethics PHI-105 3.00

U. S. Government SSOC-S12730 3.00

Midland High School ~ Freshman Course Registration Sheet

Name _____

Counselor _____

Grade Next Year _____

Date _____

Date Received _____

Dates to register _____

Required:

- English Language Arts I S1 & S2
- Modern US History S1 & S2
- Health I

Alternates: (if I can't get scheduled into the classes listed in 1-16, these are my next choices).

- 1 _____
- 2 _____
- 3 _____
- 4 _____
- 5 _____
- 6 _____
- 7 _____
- 8 _____

Courses you choose:

Required:

- 6. Science S1 _____
- 7. Science S2 _____
- 8. Math S1 _____
- 9. Math S2 _____

Electives - List in order of preference:

- 10. _____
- 11. _____
- 12. _____
- 13. _____
- 14. _____
- 15. _____
- 16. _____

- I registered my choices online.
- I need to register online during school.
- I need to meet with my counselor to discuss online registration.

NOTES:

If requesting a full year course, be sure to request BOTH S1 & S2 of that course.

Study Hall – can be signed up twice, one for S1 and once for S2 – placement depends on availability.

Drivers Ed is a summer course, no need to register.

Educational Path (Check One):

- H.S. Diploma – Job Entry Position
- H.S. Diploma – Military
- 1 yr. Community College Certificate
- 2 yr. Comm. College Tech Prep Assoc. of Arts
- 2 yr. Community College then transfer
- 4 yr. College Bachelors Degree
- 5 yr. College + Professional Degree

Career Pathway (Check One):

- Agriculture, Food & Natural Resources
- Architecture & Construction
- Arts, A/V Technology & Communications
- Business Management & Administration
- Education & Training
- Finance & Insurance
- Government & Public Administration
- Health Science

- Hospitality & Tourism
- Human Services
- Information Technology
- Law, Public Safety & Security
- Manufacturing, Installation & Repair
- Marketing, Sales & Service
- Science, Technology, Engineering & Mathematics
- Transportation, Distribution & Logistics

Parent Signature: _____

Student Signature _____

9th GRADE ELECTIVES

Agricultural Education

CASE: Agriculture, Food, & Natural Resources *
Ag Leadership
Home Horticulture

Business

Introduction to Business
Computer Business Applications
Entrepreneurship
Accounting IA* / IB

Fine Arts

Art History A
Art History B
GAP - Graphics, Animation, and Photography
Drawing & Sketching
Painting
Ceramics *
Advanced Ceramics
Band
Vocal
Music Appreciation

Foreign Language

Spanish I

Health Education

Athlete Development
Fitness for Life

Industrial Technology

Intro to Architecture, Construction & Engineering*
Woodworking I*
Metals I
Mechanical Drafting*

Language Arts

Language Arts Lab

Mathematics

Algebra I*
Geometry*

Science

Earth Science
Biology*

Social Studies

Women in US History
Current Events
Iowa History

Misc.

Pathways to Careers
Tutoring Practicum
Computer Science Essentials*
1-HS Study Hall (1 per semester)

*This course is a prerequisite for other courses in this area or a related area. Be sure to read all carefully.

***Drivers Education is available as a summer class for those who are 14 years of age and have a drivers permit, don't register for this, sign up in the office.*

Midland High School – Sophomore Course Registration Sheet

Name _____

Counselor _____

Grade Next Year _____

Date _____

Date Received _____

Dates to register: _____

Required Courses:

English Language Arts II S1 & S2

World History S1 & S2

Courses you choose:

Required:

5. Science S1 _____

6. Science S2 _____

7. Math S1 _____

8. Math S2 _____

9. *Health I (if not taken)* _____

Electives - List in order of preference:

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

Alternates: (if I can't get scheduled into the classes listed in 1-16, these are my next choices).

1 _____

2 _____

3 _____

4 _____

5 _____

6 _____

7 _____

8 _____

- I registered my choices online.
- I need to register online during school.
- I need to meet with my counselor to discuss online registration.

Educational Path (Check One):

- H.S. Diploma – Job Entry Position
- H.S. Diploma – Military
- 1 yr. Community College Certificate
- 2 yr. Comm. College Tech Prep Assoc. of Arts
- 2 yr. Community College then transfer
- 4 yr. College Bachelors Degree
- 5 yr. College + Professional Degree

NOTES:

If requesting a full year course, be sure to request BOTH S1 & S2 of that course.

Study Hall – can be signed up twice, one for S1 and once for S2 – placement depends on availability.

Career Pathway (Check One):

- Agriculture, Food & Natural Resources
- Architecture & Construction
- Arts, A/V Technology & Communications
- Business Management & Administration
- Education & Training
- Finance & Insurance
- Government & Public Administration
- Health Science
- Hospitality & Tourism
- Human Services
- Information Technology
- Law, Public Safety & Security
- Manufacturing, Installation & Repair
- Marketing, Sales & Service
- Science, Technology, Engineering & Mathematics
- Transportation, Distribution & Logistics

Parent Signature: _____

Student Signature _____

10th GRADE ELECTIVES

Agricultural Education

CASE: Agriculture, Food & Nat Res*
Ag Leadership
Ag Business 1 & 2
FFA Chapter Lead. & Dev.
In The Kitchen
Home Horticulture

Industrial Technology

Intro to Architecture, Construction &
Engineering*
Woodworking I*
Metals I
Mechanical Drafting*
Home Improvement/Construction
Technology

Business

Introduction To Business
Computer Business Applications
Entrepreneurship
Accounting IA* / IB

Mathematics

Algebra I*
Geometry*
Transition Algebra
Algebra II*

Fine Arts

Drawing & Sketching
GAP – Graphics/Animation/Photography
Art History A
Art History B
Painting
Ceramics*
Advanced Ceramics
Band
Vocal
Music Appreciation

Science

Earth Science
Biology*
PLTW Principles of Biomedical Science
PLTW Environmental Sustainability
Chemistry
CASE: Principles of Ag Sci – Animal*
CASE: Principles of Ag Sci – Plant*
CASE: Ag, Power & Technology

Foreign Language

Spanish I, II

Social Studies

Women in US History
Current Events
20th Century US History
21st Century US History
Iowa History

Health Education

Health II
Athlete Development
Fitness for Life

Misc.

Pathways to Careers
Tutoring Practicum
Computer Science Essentials*
PLTW Computer Science Principles
Technology Aide
1-HS Study Hall (1 per semester)

Language Arts

Language Arts Lab

*This course is a prerequisite for other courses in this area or a related area. Be sure to read all carefully.

*Drivers Education is available as a summer class for those who are 14 years of age and have a driving permit, don't register for this, sign up in the office.

Midland High School - Junior Course Registration Sheet

Name _____ Counselor _____
 Grade Next Year _____ Date _____
 Date Received _____

Dates to register: _____

Required:

- 1-2 English Language Arts III S1 & S2
- 3 Government

Courses you choose:

Required:

- 4. Science S1 (4 yr college recommend Chemistry) _____
- 5. Science S2 _____
- 6. Math S1 _____
- 7. Math S2 _____
- 8. Social Studies _____

Electives - List in order of preference:

- 9. 1HS Study Hall or _____
- 10. 1 HS Study Hall or _____
- 11. _____
- 12. _____
- 13. _____
- 14. _____
- 15. _____
- 16. _____

Notes:

If requesting a full year course, be sure to request BOTH S1 & S2 of that course.

Study Hall – can be signed up twice, one for S1 and once for S2 – placement depends on availability.

If approved for Kirkwood Academy that = 8 of the 16 slots!

Career Pathway (Check One):

- () Agriculture, Food & Natural Resources
- () Architecture & Construction
- () Arts, A/V Technology & Communications
- () Business Management & Administration
- () Education & Training
- () Finance & Insurance
- () Government & Public Administration
- () Health Science

Alternates: (if I can't get scheduled into the classes listed in 1-16, these are my next choices).

- 1 _____
- 2 _____
- 3 _____
- 4 _____
- 5 _____
- 6 _____
- 7 _____
- 8 _____

If requesting a full year course, be sure to request BOTH S1 & S2 of that course!

- I registered my choices online.
- I need to register online during school.
- I need to meet with my counselor to discuss online registration.

Educational Path (Check One):

- () H.S. Diploma – Job Entry Position
- () H.S. Diploma – Military
- () 1 yr. Community College Certificate
- () 2 yr. Comm. College Tech Prep Assoc. of Arts
- () 2 yr. Community College then transfer
- () 4 yr. College Bachelors Degree
- () 5 yr. College + Professional Degree

- () Hospitality & Tourism
- () Human Services
- () Information Technology
- () Law, Public Safety & Security
- () Manufacturing, Installation & Repair
- () Marketing, Sales & Service
- () Science, Technology, Engineering & Mathematics
- () Transportation, Distribution & Logistics

Parent Signature: _____

Student Signature _____

11th GRADE ELECTIVES

Agricultural Education

CASE: Agriculture, Food & Nat Res*
Ag Leadership
Ag Business 1 & 2
FFA Chapter Lead. & Dev.
In The Kitchen
Independent Ag
Home Horticulture

Business

Introduction to Business
Computer Business Applications
Entrepreneurship
Accounting 1A*/1B
Personal Finance for Life

Fine Arts

Drawing & Sketching
GAP – Graphics/Animation/Photography
Art History A
Art History B
Painting
Ceramics*
Advanced Ceramics
Band
Vocal
Music Appreciation

Foreign Language:

Spanish I, II, III

Health Education

Health II
Athlete Development
Fitness for Life

Industrial Technology

Intro to Architecture, Construction &
Engineering*
Woodworking I*
Metals I
Mechanical Drafting*
Architecture Drafting
Home Improvement/Construction
Technology

Language Arts

Composition
Language Arts Learning Lab

Mathematics

Consumer Math
Geometry*
Transition Algebra
Algebra II*
Precalculus *

Science

Earth Science
Biology*
Chemistry
Anatomy
Physics
Advanced Biology
PLTW Principles of Biomedical Science
PLTW Environmental Sustainability
CASE: Principles of Ag Sci – Animal*
CASE: Principles of Ag Sci – Plant*
CASE: Food Science & Safety
CASE: Ag, Power & Technology

Social Studies

Psychology
Psychology II
Economics
Iowa History
Women in US History
Current Events
20th Century US History
21st Century US History
Government

Misc.

Pathways to Careers
Computer Science Essentials*
PLTW Computer Science Principles
Technology Aide
Science Aide
Library Aide
Tutoring Practicum
Alternate Concurrent Course
1-HS Study Hall (1 per semester)

Kirkwood Academy Classes & Companion Classes

(see program guide)

*This course is a prerequisite for other courses in this area or a related area. Be sure to read all carefully.

***Drivers Education is available as a summer class for those who are 14 years of age and have a driving permit, don't register for this, sign up in the office.*

Midland High School - Senior Course Registration Sheet

Name _____

Counselor _____

Grade Next Year _____

Date _____

Date Received _____

Dates to register: _____

Required:

1. English S1 _____
2. English S2 _____
3. Science S1 _____
4. Science S2 _____
5. Math S1 _____
6. Math S2 _____
7. Government *(if not taken)* _____
8. Social Studies *(if 6 cr not taken)* _____

Electives - List in order of preference:

9. Economics (Recommended) _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____

Alternates: (if I can't get scheduled into the classes listed in 1-16 above, these are my next choices).

- 1 _____
- 2 _____
- 3 _____
- 4 _____
- 5 _____
- 6 _____
- 7 _____
- 8 _____

- I registered my choices online.
- I need to register online during school.
- I need to meet with my counselor to discuss online registration.

Student Signature _____

Parent Signature: _____

NOTES:

If requesting a full year course, be sure to request BOTH S1 & S2 of that course.

Study Hall – can be signed up twice, one for S1 and once for S2 – placement depends on availability.

If approved for a Kirkwood Academy that = 8 of the 16 slots!

Educational Path (Check One):

- H.S. Diploma – Job Entry Position
- H.S. Diploma – Military
- 1 yr. Community College Certificate
- 2 yr. Comm. College Tech Prep Assoc. of Arts
- 2 yr. Community College then transfer
- 4 yr. College Bachelors Degree
- 5 yr. College + Professional Degree

Career Pathway (Check One):

- Agriculture, Food & Natural Resources
- Architecture & Construction
- Arts, A/V Technology & Communications
- Business Management & Administration
- Education & Training
- Finance & Insurance
- Government & Public Administration
- Health Science
- Hospitality & Tourism
- Human Services
- Information Technology
- Law, Public Safety & Security
- Manufacturing, Installation & Repair
- Marketing, Sales & Service
- Science, Technology, Engineering & Mathematics
- Transportation, Distribution & Logistics

12th GRADE ELECTIVE

Agricultural Education

CASE: Agriculture, Food & Nat Resources *
CASE: Ag Research and Development
Ag Leadership
Ag Business 1 & 2
Agricultural Internship
FFA Chapter Lead. & Dev.
Independent Ag
In The Kitchen
Home Horticulture

Business

Introduction to Business
Computer Business Applications
Entrepreneurship
Accounting 1A* / 1B
Personal Finance For Life

Fine Arts

Drawing & Sketching
GAP – Graphics/Animation/Photography
Art History A
Art History B
Painting
Ceramics *
Advanced Ceramics
Senior Art Studio
Band
Vocal
Music Appreciation

Foreign Language

Spanish I, II, III, IV

Health Education

Health II
Athlete Development
Fitness for Life

Industrial Technology

Intro to Architecture, Construction &
Engineering *
Woodworking I*
Metals I
Mechanical Drafting*
Architecture Drafting
Home Improvement/Construction
Technology

Kirkwood Academy/Companions

(see program guide)

Language Arts

Nonfiction Studies
Language Arts Lab
Composition
English Language Arts IV

Mathematics

Geometry*
Transition Algebra
Algebra II*
Precalculus *
Calculus
Consumer Math

Science

Earth Science
Biology*
Advanced Biology
Chemistry
Anatomy
Physics
PLTW Principles of Biomedical Science
PLTW Environmental Sustainability
CASE: Principles of Ag Sci – Animal*
CASE: Principles of Ag Sci – Plant*
CASE: Food Science & Safety
CASE: Ag, Power & Technology

Social Studies

20th Century US History
21st Century US History
Women in US History
Iowa History
Current Events
World History
Psychology
Psychology II
Economics

Misc.

Pathways to Careers
Computer Science Essentials*
PLTW Computer Science Principles
Intro to Teaching Tutoring Practicum
Office Aide Science Aide
Library Aide Technology Aide
Alternate Concurrent Course
Internship 1-HS Study Hall (1 per semester)

*This course is a prerequisite for other courses in this area or a related area. Be sure to read all carefully.

***Drivers Education is available as a summer class for those who are 14 years of age and have a driving permit, don't register for this, sign up in the office.*

MIDLAND CREDIT REVIEW SHEET

Required Credits

Name _____ Grade _____

English - 8 credits including:

2 credits - English Language Arts I	Earned _____	Needed _____
2 credits - English Language Arts II	Earned _____	Needed _____
2 credits - English Language Arts III	Earned _____	Needed _____
2 credits from :	Earned _____	Needed _____
2 credit classes- English Language Arts IV, Nonfiction Studies		
1 credit classes- <i>AA Comp I, AA Comp II, AA -Fundamentals of Oral Comm</i>		

Science - 8 including:

Earned _____ Needed _____

Biology, Advanced Biology, Chemistry, Physics,
CASE: Principles of Ag Science – Animal, CASE: Principles of Ag Science – Plant,
CASE: Food Science & Safety, \CASE: Ag, Power & Technology, PLTW – Principles of
Biomedical Science, PLTW – Environmental Sustainability, Anatomy, *Physical Science, Science
Understood By Investigation (SCUBI),*

Mathematics – 8 credits – through Geometry:

Earned _____ Needed _____

Algebra I, Geometry, Transition Algebra, Algebra II, Precalculus,
Calculus, Consumer Math, *Secondary Math, AT-Industrial Math, C-Technical Math, or C-AP Calculus,
Transition Math, C-Statistics*

Social Studies - 8 credits including:

2 credits - Modern US History	Earned _____	Needed _____
2 credits - World History/ <i>Contemporary World Geography (class of 19)</i>	Earned _____	Needed _____
1 credit - Government or <i>C-American Government</i>	Earned _____	Needed _____
3 credits - Elective – Psychology, World History, Economics, Iowa History, Contemporary US Studies, <i>Personal Economics, Recent US History, Current Events, C-Intro to Psychology, C-Intro to Sociology, C-Economics, C-Survey of World Religions</i>	Earned _____	Needed _____

Health – 1 credit - Health I

Earned _____ Needed _____

Elective Credits - 23 credits from any other class**

Earned _____ Needed _____

All other courses which earned credit. Need to make sure you meet the PE requirements below.

**Physical Education – Iowa Law indicates that students must take PE each semester UNLESS:

- 1) Student is enrolled in a full academic day of courses (8 of 8)
- 2) Student is a participant in an organized athletic activity:
 Fall: Football, Volleyball, or Cross Country Spring: Basketball, Wrestling, Track, Golf

PE courses include: Fitness for Life, Athlete Development, *Physical Education, Weight Training PE*

Classes listed in italics are from Kirkwood Academy, Kirkwood companion classes or may be Midland courses no longer offered.

ELECTIVES

Pathway

- | | |
|---|--------------|
| () Agri-Science and Agriculture/
Natural Resources | Earned _____ |
| () Arts, Media, and Communication | Earned _____ |
| () Business, Information Systems, and
Marketing Pathway | Earned _____ |
| () Engineering and Industrial Technologies | Earned _____ |
| () Family, Consumer, and Human Services | Earned _____ |
| () Health Services | Earned _____ |

TOTAL ELECTIVES _____

TOTAL CREDITS FOR GRADUATION - 56

1. Credits earned 9th grade: _____
2. Credits earned 10th grade: _____
3. Credits earned 11th grade: _____
4. Credits earned 12th grade: _____

TOTAL CREDITS TO DATE: _____

EARNED: _____

NEEDED: _____

Date: _____

Students/Parents – be sure to check Graduation Progress in your PowerSchool account, if questions, contact the high school office.