

# **Garretson High School**



**2017-18  
Registration Guide**

# Table of Contents

Introduction to Registration.....	3
Regents Scholars/South Dakota Opportunity Scholarship .....	4
Admission Requirements for Universities/Technical Institutes .....	5
Dual Credit Program.....	6
Advanced Placement Classes.....	6
& NCAA/NAIA Requirements	
GHS Graduation Requirements.....	7
Introducing the 16 Career Clusters.....	8-9
Business Department.....	10
Computer Department .....	10
English Department.....	11-12
Fine Arts Department .....	12-13
Foreign Language Department .....	14
Mathematics Department .....	14-15
Physical Education Department.....	15-16
Science Department.....	16-17
Social Studies Department.....	17-18
Agriculture Department.....	18-20
Other Course Options .....	21-22
Freshman Registration .....	23
Sophomore Registration.....	24
Junior Registration.....	25
Senior Registration.....	26
GHS Four Year Plan.....	27

# Welcome to Garretson High School

Garretson High School addresses our mission “Creating a Gateway to Life-Long Learning” by offering a range of quality classes for students.

## **Introduction to Registration**

The purpose of this registration book is to enable Garretson High School students with the help of their parents, teachers, counselor and principal to develop the proper course selection which best meets the students’ needs. Students should select the program of study that correlates with their interests and abilities and leads to the achievement of personal, educational and career goals. Students are encouraged to select courses that will stretch and challenge them; thus, enabling them to explore all available opportunities.

All students (grades 9-11) must take 7 classes each semester. Refer to the graduation requirement information as well as the information on college admission requirements.

Carefully plan your schedule and complete your registration worksheet. Each student will register with help from a teacher, principal or counselor.

NOTE: If a required subject is failed, it MUST be repeated.

## **Important Notice for Graduation Requirements**

It is the student’s responsibility to know if all requirements for graduation and college entrance are being met. It’s the student’s responsibility to understand the requirements to become a Regents Scholar and qualify for the Opportunity Scholarship. It is the student’s responsibility to register for the courses required for each grade level. Your teachers, counselor or principal are very willing to help you decide if your registration supports your career plans and graduation requirements. If you have any questions, please ask!

**The ultimate responsibility for proper registration rests with you, the student.**

## Regent Scholars Requirement

South Dakota high school graduates completing the following high school courses with no final grade below a "C" (2.0 on a 4.0 scale) and an average grade of "B" (3.0 on a 4.0 scale) shall be designated as Regents Scholars and shall be eligible to receive a Regents Scholar Diploma upon request by a high school administrator to the Department of Education. High School graduates designated as Regents Scholars automatically are admitted to all six public universities.

The courses required for a Regents Diploma are:

- **4 units of English:** Courses with major emphasis upon grammar, composition, or literary analysis; one year of debate instruction may be included to meet this requirement.
- **4 units of algebra or higher mathematics:** Algebra, geometry, trigonometry, or other advanced mathematics, including accelerated or honors mathematics (algebra) provided at the 8<sup>th</sup> grade level; not included are arithmetic, business, consumer or general mathematics or other similar courses.
- **4 units of science, including 3 units of approved laboratory science:** Courses in biology, chemistry, or physics in which at least one (1) regular laboratory period is scheduled each week. Qualifying physical science or earth science courses (with lab) shall be decided on a case by case basis.
- **3 units of social studies:** History, economics, sociology, geography, government—including U.S. and South Dakota, American Problems, and similar courses.
- **2 units of modern or classical language (includes American Sign Language):** The two units must be in the same language.
- **1 unit of fine arts:** Coursework in art, theatre or music. Such credit may be in appreciation, analysis, or performance.

## South Dakota Opportunity Scholarship Requirement

The South Dakota Legislature established five requirements that all South Dakota high school graduates must meet in order to establish their initial eligibility in the Opportunity Scholarship program. These requirements specify that a recipient must:

1. Be a resident of South Dakota at time of high school graduation.
2. Have an ACT composite score of 24 or higher before the beginning of post-secondary education. If using a SAT score, the sum of the verbal and mathematics scores on the SAT must be at least 1090.
3. Complete [high school course requirements](#) with no final grade below a "C" (2.0 on a 4.0 scale) and a cumulative high school GPA of 3.0 on a 4.0 scale (grade of "B") prior to graduation (Note: One unit of high school credit equals 1 year of instruction).
  - 4 units of English.
  - 4 units of algebra or higher mathematics.
  - 4 units of science, including 3 units of approved laboratory science.
  - 3 units of social studies.
  - 1 unit of fine arts.
  - ½ unit of personal finance or economics
  - ½ unit of physical education
  - ½ unit of health or health integration
  - 2 credits of either of the following or a combination of the two:
    - Approved Career and Technical Education Courses
    - Modern or Classical Language (Includes American Sign Language; all units must be in the same language)
4. Effective for those students entering into postsecondary education for the first time on or after August 2013, the curriculum requirements specified in section 3 above are not required for any student who has received a composite score on the ACT of at least 28 and meets the ACT college readiness benchmarks scores equaling or exceeding 18 for English, 21 for Reading, 22 for Math, and 24 for Science.
5. Attend a university, college, or technical school accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools and that provides instruction from a campus located in South Dakota.
6. Enter into the program within 5 years of high school graduation or within 1 year of the student's release from active duty military service (if that release is within 5 years of the date of the student's high school graduation). Students seeking to transfer from a regionally accredited university, college, or technical school located outside of South Dakota may do so within two years following high school graduation and be eligible to receive partial award.

## Requirements for Freshman College Entrance at a South Dakota College or University

Students seeking to determine whether coursework will be counted are encouraged to talk to the school counselor To be a candidate for admission to a baccalaureate degree program, students must achieve one of the following:

- Graduate in the top 60% of their high school graduation class (University of South Dakota – top 50%).
- Achieve an ACT composite score of 18 or above (University of South Dakota – 21)
- Earn a cumulative GPA of at least a 2.6 on a 4.0 scale.

Along with one of the previous requirements you must complete the following required courses with a cumulative GPA of a “C” or higher (2.0 on a 4.0 scale):

- **4 credits of English;** or ACT English sub-test score of 18 or above; or AP English score of 3 or above.
- **3 credits of Advanced Mathematics\*;** or ACT Math sub-test score of 20 or above; or AP Calculus score of 3 or above.
- **3 credits of Laboratory Science\*\*;** or ACT Science Reasoning sub-test score of 17 or above; or AP Science score of 3 or above.
- **3 credits of Social Science;** or ACT Social Studies/Reading sub-test score of 17 or above; or AP Social Studies score of 3 or above.
- **1 credit of Fine Arts;** or AP Fine Arts score of 3 or above.

\* Advanced Math must be algebra or any higher level math course.

\*\* Lab Science must be biology, chemistry, physics or approved physical science course.

**Students are advised to check the requirements of each college of interest, particularly the foreign language, science and math requirements, since they vary from school to school.**

## Admission Requirements for SD Technical Institutes

Post-secondary technical institute admission is based on individual program requirements. All applicants must submit a high school transcript and standardized test scores. Students who plan on pursuing technical education are advised to enroll in academically challenging subjects at the high school level, especially math, science and computers.

The state-funded post-secondary technical institutes in South Dakota are:

Lake Area Technical Institute – Watertown	Mitchell Technical Institute – Mitchell
Southeast Technical Institute – Sioux Falls	Western Dakota Technical Institute- Rapid City

## Dual Credit Program

South Dakota Department of Ed and the Board of Regents have partnered for a High School Dual Credit Program. Courses are offered to qualifying high school juniors and seniors attending high school within South Dakota at a reduced rate of \$48.33 per credit. The six South Dakota Public Institutions of Higher Education, as well as technical institutes, offer courses through the reduced tuition Dual Credit Program. Visit the website to see admission requirements and for courses available <http://sdmylife.com/educators/advanced-education-opportunities/>.

- Admission requirements are set by the post-secondary institutions
- Families will be responsible for the cost of classes and materials, books, etc
- Dual Credit final grades will be documented on the high school transcript
- Dual Credit courses will only be used as elective high school credits; will not replace specific GHS required classes

## AP Classes (Advanced Placement)

Through Advanced Placement classes, students have the opportunity to study courses that are equivalent to first-year college courses. Following instruction in AP classes, the students can take examinations for a nominal fee. These examinations demonstrate that they have obtained the knowledge and skills of comparable college courses. Students must present their AP scores when they enroll in a college/university.

## NCAA & NAIA Requirements

### **NCAA Requirements**

As a perspective student-athlete at a Division I or II institution, you are responsible for fulfilling the requirements for participation. Information concerning who needs to register with the NCAA Clearinghouse and necessary documentation can be found at [www.ncaaclearinghouse.net](http://www.ncaaclearinghouse.net).

### **NAIA Requirements**

As a perspective student-athlete at an NAIA institution, you are responsible for fulfilling the requirements for participation. Information concerning who needs to register with the NAIA Eligibility Center and necessary documentation can be found at [www.playnaia.org](http://www.playnaia.org).

# Garretson High School Graduation Requirements

In order to graduate from Garretson High School, a student is required to have a minimum of 23 credits that include the following:

**Four and one half units of Language Arts – must include:**

- English/Literature I - 1 unit
- English/Literature II - 1 unit
- Speech- .5 unit
- American Literature - 1 unit
- British Literature or AP English Literature – 1 unit

**Three units of Mathematics – must include:**

- Algebra I – 1 unit
- \*Algebra II – 1 unit
- \*Geometry – 1 unit

**Three units of Lab Science – must include:**

- Physical Science – 1 unit
- Biology – 1 unit
- \*Chemistry or Physics – 1 unit

**Three units of Social Studies – must include:**

- World Geography – .5 unit
- World History – .5 unit
- American History – 1 unit
- Government – 1 unit

**One and three-fourths unit of Career & Technical Education:**

- Computer Application & Advanced Computer Application – 1.5 unit
- Senior Capstone Experience – 0.25 unit

**One unit of Fine Arts**

**One-half unit of Personal Finance**

**One-half unit of Physical Education**

**\*\*One-half unit of Health or Health Integration (taken in 8<sup>th</sup> grade with a pass/fail grade)**










\* Waiver – With school and parent/guardian approval, a student may waive this course in favor of a more appropriate course. A student may waive Algebra II or Geometry; the student cannot waive both. A student is still required to take three units of Math. If a student waives Chemistry and/or Physics, the student must still take three units of Lab Sciences. Parents and the student will be required to sign a statement that acknowledges that by not taking Geometry or Algebra II or Chemistry or Physics that the student may not meet South Dakota Board of Regents criteria for entrance into a college or university.








\*\*Regarding health requirement: Beginning with the class of 2017 and beyond, students will be required to take .5 unit of health at any time during grades 6-12. This requirement can be met through middle school coursework. There will be no grade earned or credit assigned; and therefore, it does not count toward the student's GPA.

## Introducing the 16 Career Clusters

South Dakota recognizes 16 career clusters. Career clusters are designed to help students acquire the knowledge and skills they need to reach their postsecondary and career goals. More information can be found at: <http://doe.sd.gov/octe/careerclusters.aspx>

The sixteen **Career Clusters** are:

	The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.
	Careers in designing, planning, managing, building and maintaining the built environment.
	Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.
	Business Management and Administration careers encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Business Management and Administration career opportunities are available in every sector of the economy.
	Planning, managing and providing education and training services, and related learning support services.
	Planning, services for financial and investment planning, banking, insurance, and business financial management.
	Executing governmental functions to include Governance; National Security; Foreign Service; Planning; Revenue and Taxation; Regulation; and Management and Administration at the local, state, and federal levels.
	Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.
	Hospitality & Tourism encompasses the management, marketing and operations of restaurants and other foodservices, lodging, attractions, recreation events and travel related services.

 <b>Human Services</b>	<p>Preparing individuals for employment in career pathways that relate to families and human needs.</p>
 <b>Information Technology</b>	<p>Building Linkages in IT Occupations Framework: For Entry Level, Technical, and Professional Careers Related to the Design, Development, Support and Management of Hardware, Software, Multimedia, and Systems Integration Services.</p>
 <b>Law, Public Safety, Corrections &amp; Security</b>	<p>Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.</p>
 <b>Manufacturing</b>	<p>Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.</p>
 <b>Marketing, Sales &amp; Service</b>	<p>Planning, managing, and performing marketing activities to reach organizational objectives.</p>
 <b>Science, Technology, Engineering &amp; Mathematics</b>	<p>Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.-</p>
 <b>Transportation, Distribution &amp; Logistics</b>	<p>Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.</p>

## BUSINESS DEPARTMENT

### **Accounting I (12104)**

**Elective**

**10-12**

**1 Credit**

Accounting covers the financial aspect of business. It is the process of receiving and expending cash as well as moving cash to specific areas of a business. This course covers the basic principles of bookkeeping for a service business and merchandising business. Basic principles include the accounting equation, journalizing & posting, financial statements, and the accounting cycle.

### **Personal Finance (22210)**

**Required**

**12**

**0.5 Credit**

Personal Finance is a semester course designed to prepare students for successful management of their personal finances. Throughout this course, students will learn how to: analyze needs vs wants, set financial goals, read paychecks and tax forms, manage cash, and identify the value of saving and investing.

## COMPUTER DEPARTMENT

### **Foundations of Technology (10004)**

**Required**

**9**

**1 Credit**

Computer Applications covers word processing, spreadsheet software, presentation software and database software.

### **Advanced Computer Applications (10005)**

**Required**

**12**

**0.5 Credit**

Advanced Computer Applications covers advanced word processing, advanced spreadsheet software, advanced presentation software and advanced database software.

### **Multimedia (10203)**

**Elective**

**9-12**

**1 Credit**

Multimedia covers creating original production pieces, meeting goals, timelines, and elements of style and design; writing original copy; effectively incorporating images, audio, animation and text media into multimedia presentation; and preparing product for publishing/distribution.

## ENGLISH DEPARTMENT

### **English/Literature I (01051)**                      **Required**      **9**                      **1 credit**

English/Literature (freshman & sophomore) courses are designed to introduce two or more genres of literature (novel, short story, poem, etc). Exploration of each genre's literary elements; determination of theme and intent; and examination of vocabulary and semantics are often included in the course content. Writing assignments are required as an additional method to improve understanding and comprehension.

### **English/Literature II (01051-2)**                      **Required**      **10**                      **1 credit**

This course will utilize what students have learned during their freshman year and challenge them to develop a more complex writing style. Grammar and vocabulary will be used to improve written expression. Analysis of grammar will also be developed, and the usage of both grammar and vocabulary will be strengthened by the writing of journals.

### **Speech (01151)**                      **Required**      **10**                      **0.5 credit**

This course is offered to give students an opportunity to prepare themselves for public speaking with an emphasis on the importance of communication throughout their lives. They will prepare, deliver, and analyze a variety of speeches. These speeches will include: an impromptu speech, a personal anecdote speech, a demonstration speech, an interpretive speech, an informative speech, and a persuasive speech.

### **American Literature (01054)**                      **Required**      **11**                      **1 credit**

American Literature courses focus upon commonly known American authors and their work. Students improve their critical-thinking skills as they determine the underlying assumptions and values within the selected works and as they understand how the literature reflects the society of the time. Oral discussion is an integral part of literature courses, and written compositions are often required.

### **British Literature (01056)**                      **Required**      **12**                      **1 credit**

British Literature may provide a survey of British literature or may focus on a selected timeframe of England's history. Students improve their critical-thinking skills as they determine the underlying assumptions and values within the selected works and as they understand how the literature reflects the society of the time. Oral discussion is an integral part of literature courses, and written compositions are often required.

### **AP English Literature & Comp (01006)**                      **Required**      **12**                      **1 credit**

This course follows the College Board's suggested curriculum designed to parallel college-level English courses. This course enables students to develop critical standards for evaluating literature. Students are required to pay for and take the AP exam in May.

<b>Journalism (11101)</b>	<b>Elective</b>	<b>9-12</b>	<b>1 credit</b>
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This journalism course emphasizes the development of skills in photo shop, illustrator, and photography. These skills will be used to enhance the production of the yearbook and the Blue Ink. NCAA Clearinghouse for Division I or II does not accept this as an English elective. This course may be taken more than once.

<b>Film Appreciation (01061)</b>	<b>Elective</b>	<b>9-12</b>	<b>1 credit</b>
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This course is designed to help students develop the skills to “read” a movie. They will learn about film genres and conventions, explore the ways that directors express their interpretation of a story or script, and consider the literary elements of film (for example, foreshadowing, character development, symbolism and dialogue). Students will spend time looking at how music and cinematic techniques affect the experience of film and reflect the interpretive choices directors make as they bring their vision to the screen. To develop these skills, they will be doing several short (1 – 3 page) writing assignments, including at least one movie review; they will also participate in small group work and class discussion.

<b>Mass Communication (00151)</b>	<b>Elective</b>	<b>9-12</b>	<b>1 credit</b>
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In this course, students will identify, research, and explore the multiple angles and purposes for communications with large audiences. Students will delve into marketing, advertising, public relations, broadcasting, and reporting throughout the year looking at multiple topics including government, the local community, and sports.

## FINE ARTS DEPARTMENT

<b>Band (05101)</b>	<b>Elective</b>	<b>9-12</b>	<b>1 credit</b>
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In this course, students will improve proficiency in all aspects of reading and performing instrumental music. Through the rehearsal and study of band literature, students will strengthen individual playing techniques and skills; learn about the theory, history, and vocabulary of music; demonstrate confidence and poise during public performances; and learn to work collaboratively as a member of the ensemble. This course emphasizes the importance of participation, appreciation, and support of music for life.

<b>Chorus (05110)</b>	<b>Elective</b>	<b>9-12</b>	<b>1 credit</b>
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Students will gain knowledge of proper care for the voice, develop a working knowledge of musical terms and symbols, enhance music reading skills, demonstrate confidence and poise during public performance, and develop awareness for the arts as a vital part of lifelong learning. No auditions required.

<b>Creative Art (05154)</b>	<b>Elective</b>	<b>9-12</b>	<b>1 credit</b>
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Comprehensive courses provide students with the knowledge and opportunity to explore an art form and to create individual works of art. These courses may also provide a discussion and exploration of career opportunities in the art world. Initial courses cover the language, materials, and processes of a particular art form and the design elements and principles supporting a work of art.

<b>Crafts (05165)</b>	<b>Elective</b>	<b>9-12</b>	<b>0.5 credit</b>
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Crafts courses teach the same lessons as Creative Art - Comprehensive courses, but do so with a focus on crafts. These courses may survey a wide range of crafts, or they may focus on only one type of craft; possibilities include calligraphy, quilting, silk-screening, cake decorating, mask making, knitting, crocheting, paper making, and so on.

<b>Digital Photography (05175)</b>	<b>Elective</b>	<b>9-12</b>	<b>0.5 credit</b>
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Digital photography courses expose students to the materials, processes, and artistic techniques of taking artistic photographs. Students learn about the operation of a camera, composition, lighting techniques, filters, camera angles, and photo editing. The course may cover black and white and color photography, or both.

<b>Graphic Design (05162)</b>	<b>Elective</b>	<b>9-12</b>	<b>0.5 credit</b>
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Graphic Design courses emphasize design elements and principles in the purposeful arrangement of images and text to communicate a message. They focus on creating art products such as advertisements, product designs, and identity symbols. Graphic Design courses may investigate the computer's influence on and role in creating contemporary designs and provide a cultural and historical study of master design works of different periods and styles.

<b>Drawing/Painting (05155)</b>	<b>Elective</b>	<b>9-12</b>	<b>1 credit</b>
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Drawing/Painting courses cover two-dimensional work, and students typically work with several media (such as pen and ink, pencil, chalk, watercolor, tempera, oils, acrylics, and so on), but some courses may focus on only one medium.

<b>Intro to Pottery (05159)</b>	<b>Elective</b>	<b>9-12</b>	<b>1 credit</b>
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Intro to Pottery covers three-dimensional works out of clay and ceramic material. Particular attention is paid to the characteristics of the raw materials, their transformation under heat, and the various methods used to create and finish objects.

## FOREIGN LANGUAGE DEPARTMENT

### Spanish I (06101)

Elective

9-12

1 credit

Students will demonstrate skills in speaking, writing, reading and listening in Spanish. An integrated, hands-on curriculum is used to introduce vocabulary, grammar and sentence structure necessary in building beginning conversational skills. This course also emphasizes the study of Hispanic customs and cultures. Students will compare and contrast Spanish and its cultures to their own language and culture, connect Spanish to other areas of study, and use Spanish for personal use within and beyond the classroom.

### Spanish II (06102)

Elective

10 - 12

1 credit

*Prerequisite – Spanish I*

Spanish II courses build upon skills developed in Spanish I, extending students' ability to understand and express themselves in Spanish and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly.

**(All those applying for Regent Scholars are required to have two years of foreign language.)**

## MATHEMATICS DEPARTMENT

### Algebra I (02052)

Required

9

1 credit

This course includes the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; and solving simple quadratic equations. This course qualifies as a college prerequisite.

### Geometry (02072)

Required

10 -12

1 credit

*Prerequisite - Algebra I*

Geometry courses, emphasizing an abstract, formal approach to the study of geometry, typically include topics such as properties of plan and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion, and rules of angle measurement in triangles. This course qualifies as a college prerequisite.

<b>Algebra II (02056)</b>	<b>Required</b>	<b>10-12</b>	<b>1 credit</b>
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This course is an advanced math class for college-bound students who will need an extensive math background. It starts with a review of basic skills learned in Algebra 1 and progresses to solving rational equations, complex numbers, conic sections, analytical geometry, exponential equations, quadratic functions, series, sequences and logarithms. This course qualifies as a college prerequisite.

<b>Trigonometry (02103)/Pre-Calculus (02110)</b>	<b>Elective</b>	<b>11-12</b>	<b>1 credit</b>
<i>Prerequisites – Algebra I, Geometry, and Algebra II</i>			

The first semester will focus on Trigonometry (solving right triangles, investigating graphs, solving trig equations, and simplifying trig expressions). The second semester will include topics covered in discrete mathematics (such as vectors and matrices) and Pre-Calculus (limits, simple integration, and derivatives). This course qualifies as a college prerequisite.

<b>Consumer Math (02157)</b>	<b>Elective</b>	<b>10-12</b>	<b>1 credit</b>
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Consumer Math courses reinforce general math topics (such as arithmetic using rational numbers, measurement, ratio and proportion, and basic statistics) and apply 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. This course DOES NOT qualify as a college prerequisite.

<b>Calculus (02121)</b>	<b>Elective</b>	<b>12</b>	<b>1 credit</b>
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Calculus courses may include the study of derivatives, differentiation, integration, the definite and indefinite integral, and applications of calculus. Typically, students have previously attained knowledge of pre-calculus topics (Some combination of trigonometry, elementary functions, analytic geometry, and math analysis). Due to student demand, Calculus may not be taught every year.

## PHYSICAL EDUCATION/HEALTH DEPARTMENT

<b>Fitness for Life (08016)</b>	<b>Required</b>	<b>10</b>	<b>0.5 credit</b>
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This course will introduce students to the concepts and practices of lifetime personal fitness. Students will be required to dress appropriately for physical activity and be required to participate in all instructional activities. The goal of this course is to help students develop habits for a healthy life style. Content may include nutrition, stress management, and mental health topics.

<b>Lifetime Sports (08003)</b>	<b>Elective</b>	<b>9-12</b>	<b>1.0 credit</b>
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This course will introduce students to the concept and knowledge of basic Lifetime Sports rules, activity, and safety in participation. Activities may include: golfing, fishing, archery, tennis, badminton, etc.

<b>Team Sports (08002)</b>	<b>Elective</b>	<b>9-12</b>	<b>0.5 credit</b>
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This course will introduce students to the concept and knowledge of basic Team Sports rules, activity, and safety in participation. Activities may include: football, soccer, lawn games, wiffle ball, golf, ultimate frisbee, bowling, volleyball, archery, net games, mat games, and biking.

## SCIENCE DEPARTMENT

<b>Physical Science (03159)</b>	<b>Required</b>	<b>9</b>	<b>1.0 credit</b>
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This course is designed to acquaint students with their surroundings. Physical science is divided into the areas of chemistry (the study of structure and properties of matter) and physics (the study of matter and motion). Both semesters include regular laboratory experiences and problem solving using the scientific method. This course qualifies as a college prerequisite.

<b>Biology (03051)</b>	<b>Required</b>	<b>10</b>	<b>1.0 credit</b>
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This is a yearlong study of life from the simple cells to complex organisms, and animals. Students will start this course by learning about basic chemistry. They will then apply that information to the structure and function of cells, which is the basis of all life. Students will also study cell reproduction, genetics, evolution, botany (the study of plants), zoology (the study of animals), and ecology (the study of the environment). This course qualifies as a college prerequisite.

<b>Chemistry (03101)</b>	<b>Required</b>	<b>11-12</b>	<b>1.0 credit</b>
<i>Prerequisite - Biology</i>			

Chemistry involves studying the composition, properties, and reactions of substances. This course involves the following topics: nomenclature, atomic structure, reactions, periodic chart, stoichiometric relations, gases, thermochemistry, solutions, acids/bases, kinetics, and organic compounds. The students will be expected to use the basics of mathematics to predict the amounts of chemicals used or produced in the study of matter. This course qualifies as a college prerequisite.

<b>Physics (03151)</b>	<b>Required</b>	<b>11-12</b>	<b>1.0 credit</b>
<i>Prerequisite –Geometry</i>			

Physics courses involve the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics includes examination of sound, light, and magnetic and electric phenomena. This course qualifies as a college prerequisite.

<b>Earth Science (03001)</b>	<b>Elective</b>	<b>9-12</b>	<b>1.0 credit</b>
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Earth Science offers insight into the environment on earth and the earth's environment in space. While presenting the concepts and principles essential to student's understanding of the dynamics and history of the earth, these courses usually explore oceanography, geology, astronomy, meteorology, and geography. This course qualifies as a college prerequisite.

## SOCIAL STUDIES DEPARTMENT

<b>World Geography (04001)</b>	<b>Required</b>	<b>9</b>	<b>0.5 credit</b>
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World Geography courses provide students with an overview of world geography, but may vary widely in the topics they cover. Topics typically include the physical environment; the political landscape; the relationship between people and the land; economic production and development; and the movement of people, goods and ideas. This course qualifies as a college prerequisite.

<b>World History (04051)</b>	<b>Required</b>	<b>9</b>	<b>0.5 credit</b>
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World History - Overview courses provide students with an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. This course qualifies as a college prerequisite.

<b>US History (04101)</b>	<b>Required</b>	<b>11</b>	<b>1 credit</b>
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The course begins with post-Civil War Reconstruction and concludes with the current events of the 21<sup>st</sup> century. Emphasis is placed on political, economic, military, and social events that have shaped American life and culture. This course qualifies as a college prerequisite.

**US Government (04151)****Required****12****1 credit**

U.S. Government - Comprehensive courses provide an overview of the structure and functions of the U.S. government and political institutions and examine constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process. These courses may examine the structure and function of state and local governments and may cover certain economic and legal topics. This course qualifies as a college prerequisite.

## **AGRICULTURAL EDUCATION**

**Introduction to Agriculture (18001)****Elective****9****1 credit**

This class will cover a wide variety of fun topics including leadership development, plants, animals, natural resources and shop projects. This class is highly recommended for those freshmen wanting to learn more about FFA and all the opportunities that are available. You will get to choose from a wide variety of topics where you can compete in Career Development Events, develop a SAE, earn money, travel and win awards at the local, state or even national level. No matter what career you choose in life, Leadership is Always in Demand and FFA will give you a huge advantage. \*\*\*This class is offered every year.

**\*\*\*The following Ag classes are offered upon student and teacher agreement\*\*\***

**Horticulture (18053)****Elective****10-12****0.5 credit**

Topics covered are: plant classification, plant physiology, plant growth, plant propagation, pest management, water management, soil management, plant nutrients, managing plant growth, turf grass production, nursery production, vegetable and fruit production, record keeping, and hydroponics.

**Landscape Design (18054)****Elective****10-12****0.5 credit**

Topics covered are: landscape design software, analyzing sites, designing for function and aesthetics, identifying and selection of plants and materials.

**Greenhouse Management (18058)****Elective****10-12****0.5 credit**

Topics covered are: greenhouse industry, careers, greenhouse technology, structures, plant taxonomy, controlling and operating the greenhouse (lighting, heating/cooling, watering/irrigation), plant production and propagation, root media, plant nutrition, greenhouse production plans and hydroponics.

<b>Animal Science (18101)</b>	<b>Elective</b>	<b>10-12</b>	<b>0.5 credit</b>
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Topics covered are: anatomy and physiology, breeds, safety, nutrition, health, reproduction, genetics, performance, and consumer concerns.

<b>Ag Business Sales &amp; Marketing (18201)</b>	<b>Elective</b>	<b>10-12</b>	<b>0.5 credit</b>
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Topics covered are: job applications, job interviews, personal strengths, marketing plans, merchandising, selling, inventory management, ag production in the US and South Dakota, global food needs and international agriculture trade.

<b>Agribusiness Entrepreneurship (18202)</b>	<b>Elective</b>	<b>10-12</b>	<b>0.5 credit</b>
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Topics covered are: applications in agricultural business management and operation, economic principles, business structures, decision making, budgeting, record keeping, finance, risk management, marketing, technology in business, and careers in agribusiness management.

<b>Leadership &amp; Personal Development (18203)</b>	Elective	10-12	0.5 credit
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Topics covered are: personal growth, goal setting, career skills, FFA, parliamentary procedure, leadership skills, teamwork, effective communication and public speaking.

<b>Ag Processing Technology (18302)</b>	<b>Elective</b>	<b>10-12</b>	<b>0.5 credit</b>
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Topics covered are: changes and trends in the food processing industry, food and worker safety, food processing regulations, processed food classification, harvesting, selection and inspection techniques, and food processing procedures.

<b>Food Science (18305)</b>	<b>Elective</b>	<b>10-12</b>	<b>0.5 credit</b>
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Topics covered are: changes and trends in the food industry, food industry organizations and regulatory agencies, safe and sanitary handling procedures, food nutrition, food constituents, food additives, labeling, and market testing.

<b>Ag Biotechnology (18308)</b>	<b>Elective</b>	<b>10-12</b>	<b>0.5 credit</b>
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Topics covered are: life processes as affected by biotechnology, plant and animal genetics, reproduction, diseases, genetic engineering of plants and animals, biotechnology in the environment, and controversies with biotechnology.

<b>Agriscience (18310)</b>	<b>Elective</b>	<b>10-12</b>	<b>0.5 credit</b>
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Topics covered are: agricultural literacy and history, employability skills, agricultural career opportunities, plant science, soil science, animal science (large & small animals), and animal management.

<b>Ag Mechanics (18401)</b>	<b>Elective</b>	<b>10-12</b>	<b>0.5 credit</b>
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Topics covered are: safety, maintenance of mechanical equipment and agricultural technology, servicing and testing mechanical systems, internal combustion engines, hydraulics, project planning, metal fabrication, and electricity.

<b>Ag Power Technology (18402)</b>	<b>Elective</b>	<b>10-12</b>	<b>0.5 credit</b>
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Topics covered are: basic engine principles, power trains, hydraulics, fuels, electrical systems, detailed maintenance, troubleshooting and repair of agricultural equipment.

<b>Ag Structures (18403)</b>	<b>Elective</b>	<b>10-12</b>	<b>0.5 credit</b>
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Topics covered are: safety, plan creation, cost estimation, ag structure assembly, electricity, land measurements, and surveying.

<b>Ag Metal Fabrication Technology (18404)</b>	<b>Elective</b>	<b>10-12</b>	<b>0.5 credit</b>
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Topics covered are: careers in metal fabrication; welding preparation and safety procedures; properties of materials; project design and construction procedures; welding fundamentals; shielded metal arc welding (SMAW); metal inert as (MIG) welding, also known as Gas Metal Arc Welding (GMAW); oxy-acetylene, brazing and torch cutting; plasma cutting; Tungsten Inert Gas (TIG) welding, also known as Gas Tungsten Arc Welding (GTAW).

<b>Natural Resources (18504)</b>	<b>Elective</b>	<b>10-12</b>	<b>0.5 credit</b>
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Topics covered are: environmental relationships, resource management, cartography, environmental health, weather, natural cycles, plant and tree identification, soils, forestry.

## OTHER COURSE OPTIONS

### South Dakota Virtual High School - <https://sdvs.k12.sd.us/>

SD VHS is the only authorized provider of virtual high school courses (not to be confused with Dual Credit College courses) that are approved by the SD Department of Education. All Virtual High School registrations must go through the counselor or principal.

- Classes taken through SD VHS will be documented on the transcript with a final grade and credit earned
- The student's family will be responsible for the cost of any class taken, as well as class materials unless deemed appropriate and necessary by the school

There is typically a \$300 charge to take many of these classes.

### Garretson Academy Online Courses

Garretson Academy is an option for students who want to take a selection of high school elective courses. There is no charge to take these classes. Student progress is monitored on a weekly basis. The coursework is available through the online vendors: Edgenuity and OdysseyWare. Students must first be approved by the counselor or principal to register for a class period in Garretson Academy.

The classes available include:

- Civil War History
- Vietnam Era History
- Economics
- Psychology
- Sociology
- Environmental Science
- Business Computer Information Systems
- Art History
- Online Learning & Digital Citizenship
- Music Appreciation
- Music Theory
- Personal & Family Living
- Spanish I & II
- German I & II
- ACT Prep

**Northern State University e-Learning Center –**  
<http://www.northern.edu/academics/csel/pages/information.aspx>

Northern State University's Center for Statewide E-learning provides distance delivery of DDN and Internet-based college-prep and AP high school courses.

E-Learning Center courses are provided free to schools according to priority ratings established by the Department of Education. Priority is given to small, rural schools.

Course offerings vary year to year. Contact Mrs. Danielsen or Mr. Long for more information.

**Career and Technical Educational Academy (CTE)**

**Sioux Falls School District**

The Garretson School District has purchased 3 slots in the Sioux Falls School District Career and Technical Educational Academy (CTE). The CTE Academy offers over 40 state approved CTE courses in several different focused programs. This state-of-the-art Academy offers a continuum of courses from introductory level to highly advanced. Any students in grades 10-12 may apply to attend. Students must take GHS required courses in the morning and can attend CTE's 3<sup>rd</sup> block in the afternoon, which is from 1:20-3:00 pm. Students must provide their own transportation. **If a student is approved to attend the CTE Academy, it is the expectation that they will remain there all school year.**

Some of the classes available include: Intro to Arts/AV Technology, Health Careers, Welding, Intro to Auto, Hospitality & Tourism Management, Restaurant Management, Culinary Arts, Project Lead the Way: Engineering and Biomedical Science, Intro to Human Services, Aviation, and Construction. Contact Mrs. Danielsen or Mr. Long for more information.

## 2017 - 18 GHS Registration - FRESHMAN

Name \_\_\_\_\_

### COURSES

1. Required – **English/Literature I - 01051**
2. Required – **Physical Science - 03159**
3. Required – **Algebra I - 02052**
4. Required – **World Geography/World History - 04001/04051**
5. Required – **Foundations of Technology - 10004**
6. Elective - \_\_\_\_\_
7. Elective - \_\_\_\_\_

Choose from the following Electives:

- **Intro to Ag - 18001**
- **Spanish I - 06101**
- **Band - 05101**
- **Chorus - 05110**
- **Earth Science - 03001**
- **Intro to Pottery - 05159**
- **Crafts - 05165**
- **Photography - 05175**
- **Film Appreciation - 01061**
- **Lifetime Sports - 08003**
- **Multimedia - 10203**
- **Creative Art - 05154**
- **Study Hall** (only one period may be a Study Hall)
- **Mass Communications - 00151**
- **Journalism - 01104**

**\*\*\*You will need a minimum of 23 credits to graduate\*\*\***

Parent/Guardian Signature: \_\_\_\_\_

Student Signature: \_\_\_\_\_

## 2017 - 18 GHS Registration - SOPHOMORE

Name \_\_\_\_\_

### COURSES

1. Required – **English/ Literature II – 01051-2**
2. Required – **Biology - 03051**
3. Required – **Algebra II - 02056** or **Geometry - 02072**

Circle one of the above

4. Required – **Fitness for Life – 08016**  
**Speech - 01151**

5. Elective - \_\_\_\_\_
6. Elective - \_\_\_\_\_
7. Elective - \_\_\_\_\_

Choose from the following Electives:

**Band - 05101**  
**Chorus - 05110**  
**Creative Art - 05154**  
**Digital Photography - 05175**  
**Graphic Design - 05162**  
**Crafts - 05165**  
**Drawing/Painting - 05155**  
**Intro to Pottery - 05159**  
**Spanish I - 06101**  
**Spanish II - 06102**  
**Earth Science - 03001**  
**Garretson Academy - 5001**

**Film Appreciation - 01061**  
**Lifetime Sports - 08003**  
**Multimedia - 10203**  
**Mass Communications - 00151**  
**Journalism - 01104**  
**Consumer Math - 02157**  
**Accounting - 12104**  
**Study Hall - 1900**  
**Ag (specific)= \_\_\_\_\_**  
**Other elective \_\_\_\_\_**

**\*\*\*You will need a minimum of 23 credits to graduate\*\*\***

Parent/Guardian Signature \_\_\_\_\_

Student Signature \_\_\_\_\_

## 2017 - 18 GHS Registration – JUNIOR

Name \_\_\_\_\_

### COURSES

1. Required – **American Literature - 01054**
2. Required – **Chemistry – 03101 or Physics – 03151** Must choose one
3. Required – **Algebra II - 02056 or Geometry - 02072 or Trig – 02103/PreCalc - 02110**  
Circle one of the above
4. Required – **US History - 04101**
5. Elective - \_\_\_\_\_
6. Elective - \_\_\_\_\_
7. Elective - \_\_\_\_\_

Choose from the following Electives:

**Band - 05101**  
**Chorus - 05110**  
**Creative Art - 05154**  
**Digital Photography - 05175**  
**Graphic Design - 05162**  
**Crafts - 05165**  
**Drawing/Painting - 05155**  
**Intro to Pottery - 05159**  
**Spanish I – 06101**  
**Spanish II - 06102**  
**Earth Science - 03001**  
**Garretson Academy – 5001**

**Film Appreciation – 01061**  
**Lifetime Sports – 08003**  
**Multimedia – 10203**  
**Mass Communications – 00151**  
**Journalism – 01104**  
**Consumer Math – 02157**  
**Accounting – 12104**  
**Study Hall - 1900**  
**Ag (specific)= \_\_\_\_\_**  
**Other elective \_\_\_\_\_**

**\*\*\*You will need a minimum of 23 credits to graduate\*\*\***

Parent/Guardian Signature \_\_\_\_\_

Student Signature \_\_\_\_\_

## 2017 - 18 GHS Registration - SENIOR

Name \_\_\_\_\_

### COURSES

1. Required – **British Lit – 01056 or AP English Lit -01006** Must choose one
2. Required – **US Government - 04151**
3. Required – **Advanced Computer – 10005 & Personal Finance - 22210**
4. Elective - \_\_\_\_\_
5. Elective - \_\_\_\_\_
6. Elective - \_\_\_\_\_
7. Elective - \_\_\_\_\_

Choose from the following Electives:

**Band - 05101**  
**Chorus - 05110**  
**Creative Art - 05154**  
**Digital Photography – 05175**  
**Graphic Design - 05162**  
**Crafts - 05165**  
**Drawing/Painting - 05155**  
**Intro to Pottery - 05159**  
**Spanish I – 06101**  
**Spanish II - 06102**  
**Earth Science - 03001**  
**Garretson Academy – 5001**

**Film Appreciation – 01061**  
**Lifetime Sports – 08003**  
**Multimedia – 10203**  
**Mass Communications – 00151**  
**Journalism – 01104**  
**Consumer Math – 02157**  
**Accounting – 12104**  
**Study Hall - 1900**  
**Ag (specific) \_\_\_\_\_**  
**Other elective \_\_\_\_\_**

**\*\*\*You will need a minimum of 23 credits to graduate\*\*\***

Parent/Guardian Signature \_\_\_\_\_

Student Signature \_\_\_\_\_

# Garretson High School Four-Year Plan

## English (4.5 Credits)

(9<sup>th</sup>) English/Lit I ☐ ☐

(10<sup>th</sup>) English/Lit II ☐ ☐

(10<sup>th</sup>) Speech ☐

(11<sup>th</sup>) American Lit ☐ ☐

(12<sup>th</sup>) AP Eng or Brit Lit ☐ ☐

## Social Studies (3 Credits)

(9<sup>th</sup>) Geog/History ☐ ☐

(11<sup>th</sup>) US History ☐ ☐

(12<sup>th</sup>) US Govt ☐ ☐

**\*Either Chemistry or Physics** may be waived and **replaced** by another science – parent/admin approval

**\*\*Either Geometry or Algebra II** may be waived and **replaced** by another math – parent/admin approval

**\*\*\*8<sup>th</sup> Grade Health** = P/F

## Science (3 Credits)\*

(9<sup>th</sup>) Physical Science ☐ ☐

(10<sup>th</sup>) Biology ☐ ☐

(11-12<sup>th</sup>) Chem or Physics ☐ ☐

## Math (3 Credits) \*\*

(9<sup>th</sup>) Algebra I ☐ ☐

(10-11<sup>th</sup>) Geometry ☐ ☐

(10-11<sup>th</sup>) Algebra II ☐ ☐

## Required Electives (4 Credits)

(9<sup>th</sup>) Foundations of Technology ☐ ☐

(12<sup>th</sup>) Personal Finance ☐

(12<sup>th</sup>) Advanced Computer ☐

( ) Fine Arts ☐ ☐

(8<sup>th</sup> & 10<sup>th</sup>) Health/Fit for Life ☐ ☐

☐ = ½ credit

## **Electives**

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade

**23 credits are required for graduation**