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# South Heart Public School

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District No. 9 - Stark County  
310 4th St. NW  
PO Box 159  
South Heart, North Dakota

# 2014 - 2015

# CURRICULUM GUIDE

# High School Graduation Requirements

Graduation requirements are set by the North Dakota Department of Public Instruction and the South Heart Public School Board. Admission requirements for post-secondary institutions in North Dakota are determined by the State Board of Higher Education.

The current requirements for graduation and the recommended list of courses needed to attend one of the State Universities are listed below. To obtain a North Dakota Diploma, you must acquire 22 credits.

- 4 units of English Language Arts
  - From a sequence that includes literature, composition, and speech.
- 3 units of Math
- 3 units of Science
  - Must include 1 unit Physical Science;
  - 1 unit Biology; AND
  - 1 other unit of science.
- 3 units of Social Studies
  - 1 unit of U.S. History
  - ½ unit U.S. Government and ½ unit Economics; OR
  - 1 unit of Problems of Democracy AND
  - 1 other unit of Social Sciences
- 1 unit of Physical Education OR
  - ½ unit Physical Education AND
  - ½ unit Health
- 3 units of :
  - Foreign Languages
  - Native American Languages
  - Fine Arts OR
  - Career and Technical Education
- 5 additional units of credit

## **BUSINESS / TECHNOLOGY**

### **Entrepreneurship (10-12)**

.5 Unit

The course aims to acquaint students with challenges of starting a new business. Some topics covered will include what is entrepreneurship, your potential as an entrepreneur, recognizing opportunity, marketing, and type of

business ownership. Students will also be able to investigate and understand what is required in setting up a business.

### **Keyboarding 7**

.5 Year

Keyboarding is a one-semester course designed to help students develop speed and accuracy by learning the touch operation of alphanumeric/keyboard characters. This course introduces students to proper keyboarding techniques, correct key reaches, and correct spacing. Units in word processing and PowerPoint are also incorporated.

### **Computers 8 (1/2 year)**

This course covers fundamental functions and operations of the computer. Topics include identification of components, overview of operating systems, and other basic computer operations. Upon completion, students should be able to operate computers, access files, print documents, and perform basic applications operations.

### **Computer Applications I (9)**

.5 Unit

Computer Applications is a course designed to teach students how to use the computer as a business and personal tool through the use of applications software. Appropriate software for word processing and spreadsheets will be used. Students gain understanding by completing basic tasks, practice learned skills and integrate software functions in real life learning projects.

### **Computer Application II (11-12)**

.5 Unit

Using different software packages, telecommunications, and business software. Applying computer and software knowledge to produce business documents, solve problems, and complete projects. Develop written communication skills necessary for successful career development.

### **Desktop Publishing (11-12)**

.5 Unit

This course introduces students to the process of creating professionally designed documents. A specialized computer software program is used to enable students to create projects such as newsletters, brochures, and business cards, including pictures, graphics and importing text documents.

### **Accounting (11-12)**

.5 Unit

To introduce students to bookkeeping principles. A combination of subject matter and practice experiences concerned with principles of accounting terminology, basic knowledge for complex accounting transactions and the preparation of financial statements and reports, using both manual and computerized accounting.

### **IT Essentials (10-12)**

.5 Unit

The IT Essentials curriculum provides an introduction to the computer hardware and software skills needed to help meet the growing demand for entry-level information and communication technology (ICT) professionals. The curriculum covers the fundamentals of computer hardware and software as well as advanced concepts such as security, networking, and the responsibilities of an ICT professional. Students who complete this course will be able to describe the internal components of a computer, assemble a computer system, install an operating system, and troubleshoot using system tools and diagnostic software.

### **Web Design (11-12)**

.5 Unit

The course is an introduction to the design, creation, and maintenance of web pages and websites. Students learn how to critically evaluate website quality, learn how to create and maintain quality web pages, learn about web design standards and why they're important, and learn to create and manipulate images.

**Global Information Systems (10-12)**

.5 Unit

Fundamental concepts of Geographic Information Systems (GIS), elements of GIS, analysis of spatial information, real-world applications, map creation and analysis. Also includes a unit on using GPS devices.

**ENGLISH**

**English 7**

Language Arts grade 7 builds upon students' prior knowledge of grammar, vocabulary, spelling, word usage, and the mechanics of writing, and includes the four aspects of language use: reading, writing, speaking, and listening. Students experience the following literary forms: short stories, drama, poetry, and novel.

**English 8**

Language Arts grade 8 offers students a varied and sequential study of reading, writing, speaking, and listening. Students build on and develop reading skills through short stories, poetry, drama, novels, folk literature, and mythology. They develop writing skills through essays, stories, journals, and narratives. Students examine the structure of the English language and study grammar, usage, and mechanics. They develop speaking and listening skills throughout the coursework.

**English I (9)**

1 Unit

English I continues to build on reading and writing skills through basic analysis of short stories, poetry, dramas and novels. Writing skills are also honed as the students complete a research paper. Students also learn the application of listening and speech skills as well as continue to add to grammar, usage, and vocabulary knowledge. (Major unit of study includes *Romeo and Juliet* ).

**English II (10)**

1 Unit

English II scaffolds prior English/Language Arts skills in grammar, usage, mechanics and oral and written composition. Students study and analyze basic types of literature including but not limited to Shakespeare, King Arthur legends, short stories, novels and poetry.

**English III (11)**

1 Unit

English III continues to develop students' writing skills, emphasizing clear, logical writing patterns, word choice, and usage, as students write essays and continue enhanced research techniques. Students prepare and deliver several informative speeches. Students continue to read works of American literature (drama, poetry, essay, short story, novel) which often form the backbone of the writing assignments. Literary conventions and stylistic devices receive greater emphasis than in previous courses.

**English IV (12)**

1 Unit

English IV course is a study of writings from a variety of genres in British and world literature, analyzing literary forms, their influence on history, the cultural characteristics of the work and comparing them with others in terms of literary elements such as theme and style. Research activities will include compositions that will use a reflective writing process to synthesize research, oral presentations, and multimedia presentations.

**Composition (11-12) \*As Dual Credit\***

.5 Unit

Composition is a guided practice in college level reading, writing, and critical thinking. Students will develop skills in writing effective paragraphs and essays by expanding their use and development of rhetorical patterns. Students will also be given opportunities to improve their ability to argue logically and reasonably, broaden their reading comprehension and vocabulary. They will also enhance their ability to think critically and analytically. The focus of this course will be on developing a student's development of the following rhetorical modes of writing: narrative, description, process, comparison/contrast, exposition, and argument.

**Modern Literature (11-12)** .5 Unit

In this course, students will participate in close readings and analyses of contemporary literary texts. Students will study author style, learn to examine and express critical ideas, gain confidence in voicing personal perceptions on reading, and learn how to communicate critical evaluations of the literature in a clear and persuasive written format.

**Creative Writing (11-12)** .5 Unit

This course will offer students opportunities to experiment with two creative genres, poetry and fiction, as a means of developing different imaginative approaches in writing. The emphasis will be on generating raw material that will be put through the writing process and compiled into a portfolio. Through frequent writing exercises, students will develop writing skills including voice, imagery, characterization, dialogue, and narration, rhyme, rhythm, and various poetry forms while becoming familiar with some of the basic strategies for reading and talking about others' writing. Students will also experience how writing works and what it does through various methods centering on close examination of language.

**Speech (12) \*Dual Credit\*** .5 Unit

Introduction to various types of oral communication situations: conversation, group discussion and problem solving, interpersonal communication, nonverbal communication and public address. Exploration and application of skills such as: gathering information, speech planning, speech organization, delivery techniques, listening skills.

**Journalism (10-12)** .5 or 1 Unit

Journalism examines specific topics in journalism and produces the school yearbook.

## FAMILY AND CONSUMER SCIENCES

**Health 7** .5 Year

Students will learn how to maintain physical health by examining personal lifestyle habits, physical fitness, sports and conditioning, and body systems. Students will learn to strengthen mental and social health by learning about the consequences of alcohol and tobacco use.

**Health/Family and Consumer Science 8** .5 Year

Health will focus on leadership development through FCCLA, family relationships, and communication skills. Students will examine their own eating habits and how nutrition affects health. Students will prepare nourishing foods in class. Students will learn about healthy dating relationships and how to prevent abusive relationships.

**Family and Consumer Science I (9)** 1 Unit

Students will study basic concepts in leadership, healthy decision making, interpersonal communications, caring for children, personal nutrition and food preparation and clothing and textiles. Students will prepare meals, develop educational programs for elementary students and make a quilt.

**Independent Living (10-12)**

.5 Unit

You will take a look at your future, develop your dreams, and begin to work toward those future dreams. Students will learn practical life lessons in renting apartments, preventing homelessness, managing money, developing life goals and dreams, and developing job seeking skills. Students will develop a portfolio with resumes and cover letters. Possible projects may include sleeping in a box, touring Home On the Range and funeral home, being interviewed by Job Service, and researching a career of your interest.

**Food Prep (10-12)**

.5 Unit

Students will learn how to select and prepare foods in the lab. Students will select recipes, revise recipes, and create their own recipes. Students will plan and prepare nutritional foods for people of varying ages and dietary needs. Any person planning to live on their own will benefit from this class. If you plan a career in food service, dietetics, or nursing, this class will help prepare you.

**Parenting (11-12)**

.5 Unit

Do you plan to work with children? Are you interested in being a social worker, pediatrician, nurse, teacher, day care provider, coach, or speech therapist? Do you someday want to be a parent? If you answer yes, you may benefit from this course. Learn how children grow, think, and make choices. Learn how you can help them become successful. We will invite children into the classroom. You will be able to observe children and work with them. You will create activities for children.

**World Foods (10-12)**

.5 Unit

Students will explore different cultures, geography, and food sources. Students will prepare foods from various cultures and regions of the United States. Countries that will be studied are Mexico, Spain, France, Greece, Germany, Scandinavian countries, Middle East, Chinese, Japanese, and African. You will be trying new foods.

**Textiles and Clothing (11-12)**

.5 Unit

Students will learn about qualities of fabrics, clothing design, and stain removal methods. The student will spend a large portion of time in a lab situation. The student will sew one project that will be selected by the entire class. After the first project, the students will select individual projects that fit their sewing level. The student will be required to one article of clothing.

**MATHEMATICS****Math 7**

The study of the rational number system with emphasis on algebraic thinking for solving equations and inequalities in one and two variables; application of basic mathematical tools (calculator, compass, protractor, ruler); introduction to probability and statistics.

**Math 8**

A general math class that will prepare students for Algebra I. Topics include the study of various number systems, proportions, percents, equations, geometry, measurement, graphs, probability, algebraic functions, polynomials and exponents.

**Pre-Algebra (9-10)**

1 Unit

The study of number theory, graphs, positive and negative real numbers, mathematical sentences, polynomials, and linear equations with one and two variables.

**Mathematics I (10-11)**

1 Unit

The application of functions and their graphs in one or two variables with an emphasis on quadratic, radical, and rational functions; introduction to the properties of points, lines, planes, and angles with topic on dimensional analysis of solid geometry. (Part Algebra I, Part Geometry)

**Algebra I (9-10)**

1 Unit

The study of functions and their graphs in one and two variables; polynomial functions with emphasis on quadratic functions; radical and rational functions; and basics of probability and statistics.

**Mathematics II (11-12)**

1 Unit

The application of relations and functions for polynomial, rational, exponential functions; systems of equations and matrices; and key concepts with properties of lines, circle, and triangles. (Part Algebra I, Part Geometry, Part Algebra II)

**Geometry (10-12)**

1 Unit

This course is heavily dependent on deductive reasoning and the proof writing process and also relies on compass-and-straight-edge constructions. Topics include points, lines, planes; rays and angles; congruent triangles; geometric inequalities, parallel lines; quadrilaterals; transformations; area; similarity; right triangles; circles, concurrence theorems; regular polygons and the circle; geometric solids, non-Euclidean geometry and coordinate geometry

**Algebra II (11-12)**

1 Unit

The study of relations and functions for equations, inequalities, and complex numbers; graphs and applications of polynomial, rational, exponential, and logarithmic functions; systems of equations; basics of conic sections and matrices; and graphing and application of trigonometric functions.

**College Algebra \*Dual Credit with BSC\* (12)**

.5 Unit

The study of relations and functions, equations and inequalities, complex numbers; polynomial, rational, exponential and logarithmic functions and systems of equations.

**College Trigonometry \*Dual Credit with BSC\* (12)**

.5 Unit

The study of angle measure, trigonometric and inverse trigonometric functions, trigonometric identities and equations, parametric and polar coordinates, and general applications.

**MODERN LANGUAGES**

**Spanish I (9-12)**

1 Unit

Students' speech at this level should be limited to simple statements and simple questions on very familiar topics. Basic survival needs and minimum courtesy requirements should be satisfied. Students should comprehend standard language samples dealing with basic needs, instructions and commands. Students should be able to read material dealing with survival and social needs, and should write short messages within the scope of their limited language experience.

**Spanish II (10-12)**

1 Unit

Students at this level should formulate more complex questions and demonstrate more basic skills. Topics including personal history and leisure time activities should be mastered orally. Comprehension of items along these same themes should be demonstrated in conversations. Students should be able to read more complex passages including announcements, advertising and narration. Writing skills should include short paragraphs that show a good control of basic construction and inflections.

**Spanish III (11-12)**

1 Unit

Student language production will show spontaneity. Conversation, description and narration will be done quite precisely. Students should demonstrate more facility and faster understanding when listening to the language spoken at normal rates. Reading goals include locating main ideas, reading for pleasure and understanding personal communication. Students should write simple synopses and paragraphs, summaries and short compositions accurately and in the proper tense.

**MUSIC**

**High School Choir (7-12)**

½ Unit

Students experience music through group practice and performance of literature from various time periods and styles.

**High School Band (7-12)**

½ Unit

Students experience music through group practice and performance of concert literature, pep and marching band material.

**Music Appreciation (11-12)**

½ Unit

This course introduces students to the elements, instrumentation, and historical periods of music. Students will learn the significance of surroundings and time periods and how they both influenced the music of the day. Students will listen to and evaluate several types of music, and will be assessed through projects, presentations, and exams on the knowledge and understanding of music.

**Guitar Class (11-12)**

½ Unit

This course covers the basics of the instrument and an application of essential music fundamentals. Students will learn the basics of playing guitar at a beginning level and advancing to proficiency.

**History of Rock & Roll (11-12)**

½ Unit

History of Rock and Roll is a course designed to familiarize the student with the history of Rock music. Prominent players and groups of each era will be covered, as well as sociological, economic and cultural factors that shaped the many styles of Rock music. Classroom activities will include listening, analyzing, writing, class discussions, research, and presentations

**PHYSICAL EDUCATION**

**Physical Education (7-8)**

The purpose of this course is to provide students with the knowledge, skills and values they need to become healthy and physically active for a lifetime. This course addresses both the health and skill related components of fitness which are critical for students' success.

**Physical Education (9-10)**

1 Unit

This course introduces concepts for personal development in health-related fitness and physical skills; these include cardiovascular exercise, body composition, strength, endurance, and flexibility. Students will develop physical and health-related fitness skills through participation in individual and team activities.

**Weights (10-12)**

½ Unit

This course is designed to give students the opportunity to learn weight training concepts and techniques used for obtaining optimal physical fitness. Students will learn the basic fundamentals of weight training, strength training, aerobic training, and overall fitness training and conditioning. Course includes both lecture and activity sessions. Students will be empowered to make wise choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime.

**Health (10-12)**

½ Unit

This course presents students with a clear look at the health issues facing humanity today. Students begin by evaluating their own level of health and move into areas of health risks, nutritional needs, exercise, drugs, self-care, environment, and safety. This is a hands-on course where students learn to take charge of their own health by practicing preventative health habits. The course includes a wealth of high-quality, up-to-date Internet resources.

**SOCIAL STUDIES**

**Geography 7**

This course includes a study of the countries of the earth with an emphasis on the United States. A relationship between people, movement, location places, environment in the terms of spatial context, and human environment interaction will be given special attention. A study of the physical systems of the earth will coincide with a study of the human systems. The continents and countries of the earth will be studied within this framework.

**North Dakota Studies**

.5 Unit

This course will be on the people, places, events, and fascinating history of North Dakota. In addition, we will cover photographs, maps, and other primary documents, well-researched and authoritative articles, as well as audio and video clips on the history, culture, and life of the North Dakota.

**U. S. History 8**

.5 Unit

This course will cover the periods of English Colonial America through the Reconstruction of the United States after the U.S. Civil War. After England's defeat of the Spanish Armada in the late 16th century the British began to colonize America. Once America has been colonized, we will then look at the foundation of the United States.

**World History (10)**

1 Unit

This course is designed to teach students about modern world history. It covers the periods from the Renaissance to the Vietnam War. Students should come away from this course with some basic knowledge of

how the world has changed from the period of the 1700's to the 1970's. All students need a working knowledge of geography of the world. This course is designed to teach these concepts. 1 Unit

### **U. S. History (11)**

1 Unit

This course covers the evolution of American society: political, economic, social structure, racial and ethnic groups, and world diplomacy of the United States, territorial expansion, industrialization, urbanization, international events and their impact on American history. The first semester we will cover from English colonization through the Civil War. The second semester will cover 1865 to the present.

### **Problems of Democracy (12)**

.5 Unit

This course uses the Dave Ramsey Financial Peace School Curriculum; Foundations in Personal Finance to educate students about financial decisions. Topics covered include: Saving and Investing, Credit and Debt, Financial Responsibility, Money Management, Insurance/Risk Management, and Income/Careers.

### **Law and Justice (11-12)**

.5 Unit

This course will involve students to be concerned with both the substance of the law and its procedures, and its philosophy considered as they are and as we think they ought to be. The text we will be covering will also take a look at the changes in law and legal procedures at the national and state levels each year. Our goal is to develop in the students the knowledge and skill necessary for survival in our law-saturated society.

### **Introduction of Psychology (10-12)**

.5 Unit

This course includes the foundational course of psychology, which expands from there to include stress management, healthy relationships, dream interpretation, memory techniques and life coaching. Our psychology course can also help you improve your outlook in life, provide techniques to improve your concentration, provide methods for becoming a better person, and help you develop healthy relationships with others. These courses provide invaluable life lessons that you will be able to apply to your daily routines.

### **Sociology (11-12)**

.5 Unit

This course provides an up-to-date presentation of the essentials of sociological study. Students will learn a wide range of classical and contemporary perspectives which will encourage links between theories and current research. With the addition of numerous net links, thoughtful exercises and examples, and review quizzes--this course will help students develop a sociological imagination. This is an ideal environment in which to examine ourselves, study our own society, as well as study our neighbors.

## **SCIENCES**

### **Life Science 7**

This course allows students to explore the basics of biological concepts of all living things, such as cell structure, biochemical make-up and inheritance. There is also a focus on the diversity of life as students classify the many different species of living organisms into kingdoms and other classification categories.

### **Earth Science 8**

Earth Science is science designed to develop in the student an understanding of the earth and its surroundings through the study of topics in meteorology, geology, astronomy, climatology, and oceanography. Earth Science provides the student with a framework for the understanding of everyday life. Weather forecasting, volcanic activity, earthquakes, storms, polar ice caps, the atmosphere, and plate tectonics are some of the topics covered that relate directly to students' everyday lives.

**Physical Science (9)**

1 Unit

This course is a combination of the elementary fundamentals of chemistry and physics. It includes units on laboratory procedures, measurement, chemistry heat, sound, light, and electricity. Topics on energy, motion, forces in fluids, work, power and simple machines are covered. The physical science class involves extensive laboratory work.

**Biology (10)**

1 Unit

Biology helps students develop an understanding of life processes which are basic to life. Areas that are covered include cellular biology, genetics, plants, animals and the human body. The study of drugs, alcohol and tobacco is included. Laboratory experiences with an abundance of living plants and animals, both in the classroom and out-of-doors.

**Chemistry (11-12)**

1 Unit

This course provides students with the knowledge of the composition of matter, their properties and its interactions. Also covered is the development of reasoning and analytical skills in both the classroom and laboratory activities.

**Advanced Biology (11-12)**

.5 Unit

The course briefly reviews concepts from Biology I and moves on to pursue other areas in more depth. Laboratory work is more advanced, involves greater precision, and research.

**Anatomy (11-12)**

.5 Unit

Students interested in a medical career or are just interested in how their own body operates will find human anatomy beneficial. Students will learn how each body system functions. Students will learn about heart disease, respiratory problems, digestive enzymes, skin cancer, blood types, bone disorders, and many other important issues.

**Physics (12)**

1 Unit

This course is designed for students with a strong foundation in mathematics and the physical sciences. The format will include lecture, discussion, problem-solving, and laboratory work. Quantitative skills learned in second year algebra/trigonometry and chemistry will be employed in the problem solving concepts covered. General areas of study will include concepts of mechanics, motion, astronomy, heat, light, sound, magnetism, and electricity.

**Ecology**

.5 Unit

A rapidly growing field of study is ecology and environmental science. Ecology is the study of interactions among organisms and between organisms and their environment. We will examine how human activities affect the environment and how that affects human life. Students will develop projects and examine their own impacts on the environment.

**VOCATIONAL AGRICULTURE****Exploring Ag 8**

An introductory exploration of agriculture. Learning experiences involving agricultural activities such as experimenting, designing, constructing, evaluating and using tools, machines, materials and other processes that provide opportunities for creativity, problem solving, and leadership development

**Vocational Agriculture I (Introduction to Ag) (9)**

1 Unit

The diversity and opportunities of agri-business and agri-science will be explored in this class. Leadership, parliamentary procedure, introduction to wood working and gas welding, and study skills will be emphasized. Careers relating to agri-science and agri-business will be explored.

**Vocational Agriculture II (Foundation of Agriculture) (10)** 1 Unit

To provide the student with basic agricultural knowledge so he/she may select an area of specialization; and to begin developing skills and competencies for employment in agricultural occupation. A broad program of plant and animal science, agricultural mechanics, agribusiness, natural resources, leadership development.

**Vocational Agriculture III** 1 Unit

**Vocational Agriculture IV** 1 Unit

**Botany (11-12)** ½ Unit

This course will include a study of flower parts and processes along with their identification. Tree and shrub systems and identification, plant propagation, floriculture and landscaping are additional areas of study.

**Vocational Agriculture Science** 1 Unit

This course integrates biological and technological concepts with principles of agriculture. Courses are designed in sequences to provide experiences in the subject matter. Units are selected to develop knowledge and skills pertaining to nutrition, reproduction, diseases, breeding, genetics, anatomy, and physiology in animals and plants. Genetic engineering, biotechnology, plant propagation techniques, agricultural production technologies, marketing technologies, aquaculture, animal health, and small animal care are examples of units that may be taught.