

**Stanfield Secondary School**  
**High School Course Descriptions 2015-2016**

**Stanfield High School Graduation Requirements - Regular Diploma**

<b><u>Subject</u></b>	<b><u>Credits</u></b>
Language Arts (Communications)	4
Social Studies	3
Mathematics	3 (*Algebra 1 and above)
Science	3
Physical Education	1
Health	1
Fine Arts	1
Computer Applications	1
Success 101	0.5
College Ready	0.5
Electives (in addition to Success 101 and College Ready)	5.5
Career Portfolio (developed in Success 101 and College Ready)	0.5
<i>Essential Skills Mastery</i>	<i>Reading, Writing, Math</i>
<b>TOTAL CREDITS</b>	<b>24</b>

## **Stanfield High School Graduation Requirements - Honors Diploma**

<b><u>Subject</u></b>	<b><u>Credits</u></b>
Language Arts (Communications)	4
Social Studies	3
Mathematics	3.5 <i>(Through Math 111 at the minimum)</i>
Science	4
Physical Education	1
Health	1
Fine Arts	1
Computer Applications	1
Success 101	0.5
College Ready	0.5
Electives (in addition to Success 101 and College Ready)	7
Career Portfolio (developed in Success 101 and College Ready)	0.5
<b><i>Essential Skills Mastery</i></b>	<b><i>Reading, Writing, Math</i></b>
<b><i>Cumulative GPA Requirement</i></b>	<b><i>3.5 GPA or Higher</i></b>
<b>TOTAL CREDITS</b>	<b>27</b>

***\*\*10 of the 27 high school credits must be designed Honors Credits:***

- *Math 111 (0.5 credit)*
- *Math 112 (0.5 credit)*
- *Advanced Ag. Mechanics*
- *Advanced Biology*
- *Accounting 2*
- *Ag. 2*
- *Ag. 3*
- *Ag. 4*
- *Computer Applications*
- *Dual-credit Chemistry*
- *Dual-credit Health 11/12*
- *Dual-credit History*
- *Entrepreneurship*
- *Spanish 2*
- *Spanish 3*
- *Speech*
- *Success 101*
- *Writing 121*
- *State Benchmarks (1/4 credit each)*
  - *Math*
  - *Reading*
  - *Writing*
  - *Science*

***\*\*\*Honors Diploma candidates must also complete a minimum of 30 college credits***

## Career and Technical Education

### Agriculture 1

Pre-requisite: None

Open to: Grades 9-12

Satisfies: 1.0 credit toward Electives

Description: This course serves to provide all students with a foundation that will allow them to be successful in the agriculture programs. This course introduces the student to agriculture and the FFA program. **College Credit Available:** starting this fall, Ag. 1 will be a dual-credit course, for a 3-credit Animal Science 121 course, counting toward college electives.

### Agriculture 2

Pre-requisite: None, but **recommended** to have taken Agriculture 1

Open to: Grades 10-12

Satisfies: 1.0 credit toward Electives

Description: This course builds upon the Agriculture 1 course to offer students the opportunity to explore principles of animal science and livestock production, and continue involvement in FFA. **College Credit Available:** counting toward college electives.

### Agriculture 3/4

Pre-requisite: None, but **recommended** to have taken Agriculture 1 and 2

Open to: Grades 11-12

Satisfies: 1.0 credit toward Electives

Description: This advanced agriculture course focuses on agriculture leadership and plant sciences, with continued partnership with the FFA program. **College Credit Available:** counting toward college electives.

### Beginning Ag. Mechanics

Pre-requisite: None

Open to: Grades 9-12

Satisfies: 1.0 credit toward Electives

Description: This course introduces students to skills and knowledge involved in working with metal and wood. This is a beginner course. Safety, Arc welding, MIG welding, Oxy-Acetylene welding, and cutting and plasma cutting are some of the areas of focus. This class also introduces students to a variety of woods and the equipment used to construct various types of projects.

### Advanced Ag. Mechanics

Pre-requisite: Beginning Ag. Mechanics

Open to: Grades 10-12

Satisfies: 1.0 credit toward Electives

Description: This course is an advanced woods and metals shop course. One semester will be focused on welding, and one semester will be focused on woodworking. **College Credit Available:** counting toward college electives.

### College Ready

Pre-requisite: None

Open to: Grade 11 (and 12th graders who haven't yet taken it)

Satisfies: 0.5 credit toward Electives

Description: College Ready is a required semester course for all juniors, and any seniors who haven't yet taken it. This course provides opportunities for students to revisit career exploration and do some in-depth career research, as well as a job shadow experience. Students also spent a lot of time exploring options for after high school and learning about the process of applying to colleges and other postsecondary programs, applying for scholarships, financial aid, the SAT and ACT, and other important topics related to future plans.

### Computer Applications

Pre-requisite: None

Open to: Grades 11-12 (10th graders with teacher approval, and if space allows)

Satisfies: 1.0 credit toward required Computer Applications credit

Description: This required course is designed to review proper keyboarding techniques, as well as how to format and process documents. This course also focuses on applications for Microsoft Office programs, including Word, Excel, PowerPoint, Access, and Publisher.

### Intro. to Accounting/Intro. to Business

Pre-requisite: Algebra 1

Open to: Grades 10-12 (and select 9th graders who have successfully completed Algebra 1)

Satisfies: 1.0 credit toward Electives

Description: This course has been designed for students interested in discovering various facets of the business world. This course will introduce topics such as: accounting, business law, computer applications, management, and marketing. Business surrounds our lives - the acknowledgement and realization of this will be brought to the classroom with practical examples and applications.

### Accounting 2

Pre-requisite: Intro. to Accounting

Open to: Grades 11-12 (and select 10th graders who have already completed Intro. to Accounting)

Satisfies: 0.5 credit requirement for all freshman, counting toward Elective credits

Description: This is a course for students interested in pursuing a business career or simply looking to gain experience in handling finances. Through a comprehensive instructional program designed to meet the needs of today's accounting students, the real world of accounting is brought into the classroom. **College Credit Available:** Principles of Accounting (4 credits), counting toward college electives.

### **Entrepreneurship**

Pre-requisite: Intro. to Business

Open to: Grades 11-12 (and select 10th graders who have already completed Intro. to Business)

Satisfies: 1.0 credit toward Electives

Description: Entrepreneurship is a course designed to introduce and provide students with a solid foundation in understanding the risks and rewards of owning or operating a business enterprise. This is a dual-credit, project-based course. **College Credit Available:** 4 college credits, counting toward college electives.

### **Robotics**

Pre-requisite: None

Open to: Grades 9-12

Satisfies: 1.0 credit toward Electives

Description: In this class students will use robotics to explore the fundamentals of engineering and electronics. Much of this course will involve hands-on building of robots to demonstrate the principles learned.

### **Success 101**

Pre-requisite: None

Open to: 9th graders

Satisfies: 0.5 credit requirement for all freshman, counting toward Elective credits

Description: This course is designed to help 9th graders explore their future goals and options. All students explore careers and what they entail, become familiar with graduation requirements and options for after high school, are exposed to life finances and how to create a personal budget, and develop a 10-year plan through the "My 10 Year Plan" program, which will be revisited throughout high school. **College Credit Available:** 3 college credits, counting toward college electives.

## **Fine Arts**

### **Band**

Pre-requisite: None

Open to: Grades 9-12

Satisfies: 1.0 credit of Fine Arts \*Additional years will count toward electives.

Description: HS Band is open to students who have prior experience in Band. At this level, the skills and concepts are elevated. Students are responsible to participate in numerous activities outside of the Band classroom.

### **Digital Media**

Pre-requisite: None

Open to: Grades 9-12

Satisfies: 1.0 credit toward Fine Arts

Description: The focus of this course is creating and developing our school yearbook. Students will design pages for the yearbooks, including graphics and captions, and take photographs for the yearbook, with smaller digital projects along the way.

### **Drama**

Pre-requisite: None

Open to: Grades 9-12

Satisfies: 1.0 credit of Fine Arts

Description: This hands-on course involves principles of acting for students of various levels of experience, as well as participation in multiple productions and plays.

### **Spanish 1**

Pre-requisite: None

Open to: Grades 9-12

Satisfies: 1.0 credit of Fine Arts

Description: This course introduces the basics in Spanish communication, both oral and written. Students will learn to understand, read, write, and respond to others in Spanish. *\*Two years of Spanish are required for admission to four-year universities.*

### **Spanish 2**

Pre-requisite: Spanish 1

Open to: Grades 10-12

Satisfies: 1.0 credit of Fine Arts

Description: This course is built upon the vocabulary and grammar that were learned in Spanish 1. The focus will be on developing increased skills in the areas of listening, comprehension, speaking, reading, and writing. *\*Two years of Spanish are required for admission to four-year universities.*

### **Speech**

**Pre-requisite:** None

**Open to:** Grades 10-12

**Satisfies:** 1.0 credit toward Fine Arts

**Description:** This course involves the preparation and presentation of various speeches, including informative, persuasive, and demonstrative speeches. **College Credit Available:** COM 111 (4 credits), which fulfills the Speech requirement of the AAOT.

### **Study of Theatre**

**Pre-requisite:** None

**Open to:** Grades 9-12

**Satisfies:** 1.0 credit of Fine Arts

**Description:** This course entails reading and discussing relevant plays and poems throughout history.

## **Health**

### **Health 9**

**Pre-requisite:** None

**Open to:** Grade 9

**Satisfies:** 0.5 credit of Health

**Description:** This course will be a comprehensive overview of the different components that make up a healthy person, from a physical, emotional, and social perspective. Students will learn about health components and many life-long skills to maintain their personal health and reduce risks.

### **Health 11/12**

**Pre-requisite:** None

**Open to:** Grades 11-12

**Satisfies:** 0.5 credit of Health

**Description:** This course builds upon the components explored in Health 9. Units include: health skills, alcohol/tobacco, disease prevention, sexual health, injury/accident prevention, first aid/CPR, and environmental health. **College Credit Available:** HE 250 (3 credits), which fulfills the Health requirement of the AAOT.

## **Language Arts (Communications)**

### **Communications 1 (Comm. 1)**

**Pre-requisite:** None

**Open to:** Grade 9 (or older students who haven't fulfilled this requirement), and advanced middle school students by teacher recommendation

**Satisfies:** 1.0 credit of Language Arts

**Description:** Comm. 1 is a comprehensive language arts class. The goal is to have students be able to read, write, and speak at a ninth grade level. Students will be engaged in vocabulary development, independent reading, analysis and evaluation of literature, writing in a variety of modes, and speaking for a variety of purposes.

### **Communications 2 (Comm. 2)**

**Pre-requisite:** Comm. 1

**Open to:** Grade 10 (or students who have most recently completed Comm. 1)

**Satisfies:** 1.0 credit toward Language Arts

**Description:** Comm. 2 builds upon the curriculum and standards taught in Comm. 1. Emphasis will be given in identifying, understanding, and using grammar and punctuation correctly. Students will be engaged in vocabulary development, independent reading, analysis and evaluation of literature, writing in a variety of modes, and speaking for a variety of purposes.

### **Communications 3 (Comm. 3)**

**Pre-requisite:** Comm. 2

**Open to:** Grade 11 (or students who have most recently completed Comm. 2)

**Satisfies:** 1.0 credit toward Language Arts

**Description:** Comm. 3 is a college-preparatory language arts course, which weaves in American literature, continued vocabulary development, independent reading, writing in a variety of modes, and speaking for a variety of purposes.

### **College Prep Communications 4 (CP Comm. 4)**

**Pre-requisite:** Comm. 3 or Writing 121

**Open to:** Grade 12

**Satisfies:** 1.0 credit toward Language Arts

**Description:** CP Comm. 4 is a senior-level, college-preparatory language arts course. Students continue to be engaged in vocabulary development, independent reading, literature (with emphasis on British literature), and several intensive writing projects designed to prepare the student for college-level writing. The senior project, both the written and oral components, is woven heavily into this course.

### **Writing 121**

**Pre-requisite:** Comm. 2 or above

**Open to:** Grades 11 or 12

**Satisfies:** 1.0 credit toward Language Arts

**Description:** Writing 121 is an intensive, college-level language arts course. This course focuses on writing clear, detailed, informative essays in a variety of forms, correctly using and citing sources, active reading, and critical thinking. For seniors in this course, the senior project, both the written and oral components, is woven heavily into this course. **College Credit Available:** WR 121: English Composition (4 credits), which fulfills the first of two writing classes required for the AAOT.

## **Mathematics**

### **Algebra 1**

**Pre-requisite:** None

**Open to:** Grade 9 (or older students who haven't fulfilled this requirement), and middle school students by teacher recommendation

**Satisfies:** 1.0 credit of Math

**Description:** Students will receive introductory knowledge of algebraic processes and functions. They will start by learning the rules of algebra and progress to functions, both linear and non-linear. Graphing calculators will be used as a supplement to further algebraic knowledge.

### **Algebra 2**

**Pre-requisite:** Algebra 1

**Open to:** Students who have successfully completed Algebra 1

**Satisfies:** 1.0 credit of Math

**Description:** Algebra 2 builds upon the concepts learned in Algebra 1. Students will receive the appropriate knowledge of functions and graphs of functions to be prepared for pre-calculus or college-level math. They will start at linear algebra and move forward through the different types of non-linear algebra.

### **Consumer Math**

**Pre-requisite:** Algebra 1

**Open to:** Grades 10-12

**Satisfies:** 1.0 credit of Math

**Description:** Consumer Math is a more real-world, project-based practical math course. Students learn concepts such as personal budgeting, balancing checkbooks, completing tax returns and forms, insurance plans and forms, purchasing a home, and other related topics. Consumer Math counts as one of the three required math credits above Algebra 1.

### **Geometry**

**Pre-requisite:** Algebra 2

**Open to:** Students who have completed Algebra 1 and 2

**Satisfies:** 1.0 credit of Math

**Description:** Students will develop reasoning and problem-solving skills as they study topics such as congruence and similarity; properties of lines, triangles, quadrilaterals, and circles; and length, perimeter, area, circumference, surface area, and volume.

### **Math 111/112**

**Pre-requisite:** Algebra 2

**Open to:** Grades 11-12 (and the occasional 10th grader who has successfully completed Algebra 2, with teacher approval)

**Satisfies:** 1.0 credit of Math

**Description:** This is an advanced mathematics course in which students may earn college credit. The first semester focuses on Math 111 (College Algebra), in which students will demonstrate knowledge of functions in general; polynomial, rational, exponential, and logarithmic functions in particular. Students will also demonstrate knowledge of linear systems, sequences, and series; mathematical induction; and binomial expansion. The second semester focuses on Math 112 (Elementary Functions), in which the students will study and demonstrate knowledge of trigonometric functions, applications of trigonometry, trigonometric identities and equations, complex trigonometric numbers, linear programming, partial fractions, probability and data analysis, conic sections, parametric equations, polar coordinates, and vectors. **College Credit Available:** Math 111 first semester (5 credits) and Math 112 second semester (4 credits), for a potential of **9 college credits total**. *\*Please note that the Stanfield Honors Diploma requires math through Math 111.*

### **Math Support**

**Pre-requisite:** None

**Open to:** Grades 9-12

**Satisfies:** 1.0 credit of Elective

**Description:** This course provides support for students who need to complete work samples to meet the math Essential Skills requirement of the state of Oregon, as well as extra support around the successful understanding and completion of math courses in progress.

## **Physical Education**

### **Conditioning**

**Pre-requisite:** None

**Open to:** Grades 9-12

**Satisfies:** 1.0 credit of PE. \*Additional years will count toward electives.

**Description:** This course consists of weight-lifting in the Weight Room. Daily participation and attendance, as well as keeping a log of daily lifts, play a large role in the student's final grade.

### **Physical Education**

**Pre-requisite:** None

**Open to:** Grades 9-12

**Satisfies:** 1.0 credit of PE. \*Additional years of PE, beyond the one required credit, will count toward electives.

**Description:** This course consists of a variety of activities designed to promote health and fitness through active participation in individual, large group, and team fitness activities. Daily participation and attendance play a large role in the student's final grade.

## **Science**

### **General Science**

**Pre-requisite:** None

**Open to:** Grade 9 (or older students who haven't fulfilled this requirement)

**Satisfies:** 1.0 credit of Science

**Description:** Topics will include an introduction to Biology, Chemistry, Earth Science, and Physical Science. Students completing these courses should have a basic understanding of scientific concepts, the cyclic nature of matter in science, and the basics of experimental design.

### **Biology**

**Pre-requisite:** General Science (or Physics for select students)

**Open to:** Grade 10 (or others who haven't yet taken it. Advanced 9th graders can take this with teacher approval).

**Satisfies:** 1.0 credit of Science

**Description:** The course is designed to introduce students to biological concepts, such as cells, enzymes, organ systems, genetics, ecology, and geology. This course will prepare students to transition into college-level biology.

### **Advanced Biology**

**Pre-requisite:** General Science and Biology

**Open to:** 11th and 12th graders

**Satisfies:** 1.0 credit of Science

**Description:** Advanced Biology is a course designed for students who wish to further explore concepts of biology. This course will involve gaining a more complete understanding in topics such as genetics, ecology, cell function, and organism classification. **College Credit Available:** BI 101 first semester (4 credits) and BI 102 second semester (4 credits), for a potential of **8 college credits total**, which will fulfill 8 of the science credits required of the AAOT. *\*Please note that the Stanfield Honors Diploma requires a fourth year of science, generally fulfilled through taking this course.*

### **Chemistry**

**Pre-requisite:** General Science and Biology

**Open to:** Grades 11 and 12 (and 10th graders who have successfully completed General Science and Biology, with teacher approval).

**Satisfies:** 1.0 credit of Science

**Description:** This course is designed to meet the objectives of a college-level, general chemistry course, covering topics common to a first-year college chemistry course. It is recommended to take this course as the third credit of science for graduation. **College Credit Available:** Chemistry 110 (5 credits), which will fulfill 5 of the science credits required of the AAOT.

### **Physics**

**Pre-requisite:** General Science (or teacher approval - *high-achieving 9th graders can take Physics in place of General Science*)

**Open to:** Grades 9-12

**Satisfies:** 1.0 credit of Science

**Description:** This course is an advanced study in the science of matter, energy, and their interaction, including motion and force. Engineering principles are also embedded in the curriculum. *\*High-achieving 9th graders can take Physics instead of General Science, with teacher approval. Physics will also fulfill the fourth year of science required of the Stanfield Honors Diploma.*

## **Social Studies**

### **Global Studies**

**Pre-requisite:** None

**Open to:** Grade 9 (or older students who haven't fulfilled this requirement)

**Satisfies:** 1.0 credit of Social Studies

**Description:** Students will explore world civilizations and events ranging from the Industrial Revolution to political revolutions in the 20th century and WWII.

### **U.S. History**

**Pre-requisite:** None

**Open to:** Grades 11 and 12

Satisfies: 1.0 credit of Social Studies

Description: Students will study the major historical events in the United States leading up to the present day. **College Credit Available:** History 202 first semester (4 credits) and History 203 second semester (4 credits), for a potential of **8 college credits total**, which will fulfill 8 of the social sciences credits required of the AAOT.

### **Government/Personal Finance**

Pre-requisite: Global Studies and U.S. History

Open to: Grade 12 (grade 11 as space allows)

Satisfies: 1.0 credit of Social Studies

Description: The first semester of this course focuses on Government: civics, national, state, and local governments; historical and philosophical bases for today's governmental systems; and the students' role within that system. Most material deals with the federal level of the government. The second semester focuses on Personal Finance/Economics, helping the learn explore the economics system of America.

## **Other**

### **BMCC Expanded Options Program**

Open to: Grades 11-12, ***by application***

Description: The Expanded Options Program is our partnership with BMCC, allowing juniors and seniors to take one course each term off-campus or online, paid for by the district. This is a great opportunity for students to earn expensive college credits not offered at our high school for free! Students must apply first through Mrs. Wright and be approved by a school committee, as there are limited spaces available.

### **Teacher Aide**

Pre-requisite: None

Open to: Grades 11-12

Satisfies: 1.0 credit of Electives

Description: Students who sign up to be a Teacher Aide (TA) play a variety of roles, ranging from office duties, grading papers, and making copies, to helping groups of students or being a one-on-one assistant to a student. Classroom positions are available at both the elementary and secondary levels, and **college credit MAY be available (TBD) for the classroom TA's**. Positions are also available in the secondary cafeteria, both the secondary and elementary office, and both the secondary and elementary library.