

## **Sixth Grade Curriculum**

The sixth grade curriculum at Andrew Lewis is pre-set, meaning that the student does not receive an elective choice. The courses taken by each sixth grade student are listed below. In all classes, except Exploratory, student achievement will be measured using the Salem grading scale.

Language Arts 6  
Math 6 or Advanced Math 6  
Science 6  
Social Science 6  
Physical Education/Health 6  
Exploratory 6

### **Math 6**

The math 6 curriculum is a transition from elementary arithmetic to the foundations of Algebra. There is a strong emphasis on rational numbers while covering the following topics: recognizing fractions-decimals-percents as ratios; ratios to compare data sets; solving single to multi-step problems; operations with rational numbers; geometric relationships and measurements; probability and statistics. In addition, students will be required to model these topics through the use of concrete materials and the use of technology. Students will also continue to develop problem solving skills throughout all areas of the curriculum.

### **Advanced Math 6**

Standards: 1) grade of A or B in Math 5; 2) teacher recommendation; or 3) test scores.

The sixth grade Advanced Math 6 class will cover all sixth and seventh grade SOL objectives as well as some algebra concepts. The purpose of this class is to pave the way for a progressive mastery of more difficult and complex skills for students and to successfully bridge the transition from elementary school arithmetic to middle and high school algebra. Students taking this course will take the Math 7 SOL test at the end of the year.

### **Language Arts 6**

The sixth grade language arts program will incorporate the study of spelling, writing, grammar, reading, and oral language. Students will be responsible for spelling word sets from the textbook and/or from designated vocabulary lists. Much emphasis will be placed on the writing process with students creating a variety of planned and impromptu papers. Students will study the composition of sentences. Increasing vocabulary and improving comprehension will be the main focus in reading a variety of selections, both fiction and nonfiction.

### **Science 6**

Science 6 provides a broad coverage of chemistry, physics, environmental, earth, weather, and space science. Establishing safe laboratory behavior and nurturing critical thinking skills are key focuses.

Experimental design is taught directly and indirectly through hands on activities. Students will make use of quality laboratory equipment, on-line technology and various presentation media during their exploration of content.

### **Social Science 6**

Students will continue to use skills of historical and geographical analysis as they examine American history since 1865. The standards for this course relate to the history of the United States from the end of the Civil War to the present. Students should continue to learn fundamental concepts in civics, economics, and geography within the context of United States history. Political, economic, and social challenges facing the nation

reunited after Civil War will be examined chronologically as students develop an understanding of how the American experience shaped the world political and economic landscape.

The study of history must emphasize the intellectual skills required for responsible citizenship. Students practice the skills as they extend their understanding of the essential knowledge defined by all of the standards for history and social science.

### **Physical Education/Health 6**

This course combines physical activities and skills with basic knowledge for healthy and safe living. It will include physical activities that are primarily skill development in nature with emphasis on fitness.

Health instruction will include disease prevention and control, mental health, nutrition, personal health and personal growth, first aid and safety, and family life education.

### **Exploratory 6**

Exploratory 6 consists of six weeks of instruction in each of six subject areas. These include:

**Art:** Introduces the students to the Elements of Art (line, shape/form, texture, color/value, and space). Various projects emphasizing these elements will be explored. Several famous artists are studied through discussion and power point presentations.

**Career Exploration:** The Career Exploration course is part of the sixth grade exploratory rotation. This six-week class allows students to explore career options and begin investigating career opportunities. They will be introduced to the 16 career clusters, take interest inventories, learn about career pathways, and determine how to be successful in any career. A guidance counselor will also come into the classroom to work with the students to begin the process of developing a career plan. This class partners with Junior Achievement to further emphasize the importance of planning for life after high school.

**Keyboarding:** Keyboarding is designed to develop skill in proper technique and correct fingering of alphabetic keys using the touch system.

**Music:** This course is designed to acquaint the students with the City of Salem School Division Choir and Band Programs. Emphasis is placed on "hands-on" learning without performance. The course is divided into two sections, with the instrumental teacher teaching one half of the class, and the choral teacher teaching the other half. Instruments will be provided for the band portion of the class.

**Teen Living:** The Family and Consumer Science course prepares students for the demands of 21<sup>st</sup> century living. This course provides a foundation for managing individual, family, career, and community roles and responsibilities. Students focus on areas of individual growth, goal setting, strengthening families, and awareness of personal safety and wellness. They also explore saving and spending practices, clothing care, food preparation, positive and caring relationships with others, and careers. Instruction emphasizes science, technology, engineering and mathematics (STEM) concepts, where appropriate.

**Manufacturing & Engineering:** This course provides the student with basic concepts and hands-on experiences in thirteen different areas of technology. These areas include: engineering towers, research & design, energy, power & mechanics, applied physics, practical skills, electronics, engineering bridges, computer graphics & animation, rocketry & space technology, energy-power & mechanics, flight technology, forensic science, and audio broadcasting. Through problem solving, project building, computer application, and career exploration, students gain valuable information and practical experience pertaining to the technological world in which we live.

### **Seventh Grade Curriculum**

Seventh grade students at Andrew Lewis are required to take subjects in four academic areas plus health and physical education. Each student also has the opportunity to choose one full-year elective course or two semester elective courses. The required courses and elective courses are listed below. Student achievement will be measured using the Salem grading scale.

#### **REQUIRED COURSES:**

Language Arts 7  
Math 7, Pre-Algebra or Algebra I  
Environmental Life Science 7  
Social Science 7

## Physical Education/Health 7

### ELECTIVE COURSES:

Band 7 (Full-Year)  
Chorus 7 (Full-Year)  
Photojournalism 7 (Full-Year)

### SEMESTER ELECTIVE COURSES:

Teen Living  
Keyboarding (0.5 credit)  
Computer Solutions  
Technology Systems I  
Introduction to Painting  
Introduction to Drawing  
Exploring World Languages 7

## Language Arts 7

Language Arts in the seventh grade is an integrated study of literature and language, which encourages students to become active, imaginative participants in reading and writing. Students learn to respond to literature both critically and creatively. Attention is concentrated on revision and editing skills in the writing process. Further development of skills continues in grammar and spelling as well as in listening skills and oral presentations.

## Math 7

The Math 7 curriculum continues to place special emphasis on the foundations of Algebra. A strong focus is placed on proportional reasoning while covering the following topics: integer computations, percent relationships, applying properties of real numbers, solving two-step equations/inequalities, geometry measurement and relationships, and techniques of data analysis to make predictions, inferences, and conjectures. In addition, students will be required to model these topics through the use of concrete materials and the use of technology. Students will also continue to develop problem solving skills throughout all areas of the curriculum.

## Pre-Algebra

This course is designed to allow students more time to achieve a better understanding of the algebraic concepts. The students will use variables and variable expressions in combining like terms, explore the relationship of the set and subsets of the real number system, and simplify expressions using absolute value and order of operations. They will solve problems using the properties of real numbers and evaluate formulas. Various problem-solving strategies will be implemented. Students will work with graphing on a number line and in a coordinate plane. A brief study of relations, functions, and matrices will be included. Students taking this course will take the Math 8 SOL test at the end of the year.

## Algebra I – Credit 1.0

Standards: 1) grade of B or better in Advanced Math 6, 2) teacher recommendation, or 3) test scores.

Algebra I is the beginning of the math sequence taken by the majority of college bound students. Students are encouraged to develop self-reliance, a questioning attitude and verbal precision relating to mathematical problems. Topics to be studied include fundamental algebraic language, the real number system,

equations, and inequalities, polynomials, factoring, coordinate graphing, systems of linear equations and inequalities, rational expressions, radicals, and quadratics. Graphing calculators will be used as tools to assist in problem solving throughout the course. Students taking Algebra I in the 7<sup>th</sup> grade are beginning the advanced math progression. Grades earned in this class will appear on students' high school transcripts. Students completing this course will take the Algebra I end-of-course SOL test, which will result in a verified credit with a passing score.

### **Life Science 7**

This course is designed to introduce interrelationships in the bio-physical environment. Students will develop a better understanding of the interaction and interdependence of living organisms and the physical environment. Students will have an opportunity to develop microscope skills and practice safe dissection techniques. Opportunities will be provided for independent study throughout the year.

### **Social Science 7**

Seventh graders take Civics and Economics. This course includes a study of the essential knowledge of the Constitutions of the United States and Virginia as well as the structure and functions of government at the local, state, and national levels. Students will learn directly about their roles in the American civic model, American economic principles, the structure of the American economic system, and the operation of the economy is also an important part of this course.

### **Physical Education/Health 7**

This course combines physical activities and skills coupled with basic knowledge for healthy and safe living. Sequential skill development and fitness continue to be emphasized. In addition, some team and individual sport activities and skills are included in instruction.

Health instruction includes disease prevention and control, mental health, nutrition, personal health and personal growth, first aid and safety, and Family life Education.

### **Seventh Grade Electives**

**Seventh grade students may choose among the following “full year” electives: Photojournalism 7, Beginning Band 7, and Choir 7.**

#### **Photojournalism 7**

This course introduces the student to all phases of yearbook and newspaper production. Students enrolled in this class will actually produce the ALMS yearbook and the school newspaper using online programs, Adobe InDesign and Photoshop and other software, as needed. To be eligible for this course, students must complete an application available in guidance. The completed application must be submitted to the Photojournalism teacher or the Guidance Office. Students selected will be registered for the class. Those not selected will be registered for their second choice elective.

#### **Chorus 7**

This course introduces choral singing by developing proper singing techniques, ear training skills, music reading skills, and the use of two and three part songs in a variety of styles. Outside rehearsals and performances are required.

#### **Beginning Band 7**

This full year course introduces and develops techniques of instrument playing and music reading. No prior musical experience is necessary. Students are responsible for providing their own instruments. There are school-owned instruments available for those with financial need. The emphasis in this course is on individual development of skills.

There will be three sections offered:

Beginning Woodwinds (Flute, Clarinet, and Saxophone)

Beginning Brass (Trumpet, French Horn, Trombone, Baritone, and Tuba)

Beginning Percussion (Students must audition and be accepted to play percussion.)

Two of these sections may be combined and taught in one period (Brass and Percussion).

**Seventh grade students may choose among the following “semester” electives: Teen Living, Keyboarding, Make It Your Business, Technology Systems I, Career Investigations I, Introduction to Painting, Introduction to Drawing, Computer Solutions and Introduction to World Languages.**

### **Introduction to Drawing**

Introduction to Drawing is a one-semester course designed to introduce students to various drawing techniques. Students will study composition, grid drawing, sketching and shading techniques, one-point perspective, and some portraiture. Several artists will be discussed throughout the semester. Students will be responsible for some art supplies. Students who qualify for free or reduced price lunch may request that the fee be reduced or waived.

### **Introduction to Painting**

Introduction to Painting is a one-semester course designed to introduce students to various painting techniques and media. Students will be introduced to color theory and will have opportunities to work in watercolor, tempera, and acrylic painting. Several artists will be discussed throughout the semester. Students will be responsible for some art supplies. Students who qualify for free or reduced price lunch may request that the fee be reduced or waived.

### **Teen Living 7**

The Family and Consumer Sciences Exploratory class emphasizes personal responsibility for the demands of multiple life roles through hands-on, project-based instruction. Students focus on individual development, maintain their personal environments and the environment of their community, apply nutrition and wellness practices, safety, sanitation and food preparation, manage consumer and family resources, create textile, fashion, housing and interior design products, and explore careers related to Family and Consumer Sciences such as child care and students' own personal career goals and aspirations. Instruction in this course emphasizes science, technology, engineering and mathematics (STEM) concepts, where appropriate.

### **Keyboarding (6151) Credit 0.5**

Keyboarding is a semester course in which students learn to type by the touch system. Basic computer and word processing skills are emphasized through the production of letters, reports using the MLA format, and tables. This is a valuable course for college bound students.

### **Technology Systems I**

This course provides the student with the basic concepts and hands-on experience in thirteen different areas of technology. These areas include engineering towers, research and design, electronics, engineering bridges, computer graphics and animation, rocketry and space technology, robotics, energy, power, and mechanics, flight technology, energy, power & mechanics, applied physics, practical skills, audio broadcasting, and digital video. Through problem solving, project building, computer application and career exploration, students gain valuable information and practical experience pertaining to the technological world in which we live.

## **Exploring World Languages 7**

This semester course will provide an introduction to world languages and culture. Lessons will primarily focus on Chinese, French, German, and Spanish but will also include an overview of widely spoken languages such as Japanese and Arabic. Students will gain an understanding of the importance of having second language skills and what it means to be a global citizen. Different ways to learn, study, and process new language skills will be demonstrated and practiced in class to prepare students for further language study in the eighth grade. Students will be introduced to variations of food, art, music, and culture for each language and will be able to make comparisons to their own cultural experiences. An overview of the history and geography of countries where these languages are spoken will be included. Upon completing this course students will have the knowledge to make an informed decision on which language they may study in the future, as well as the skills to be a successful student in any world language course.

## **Make It Your Business**

Students design, establish and operate a small-group or class business, producing a service or product that meets and identifies school or community need. Emphasis is placed on the introduction and application of business terminology, basic entrepreneurship concepts, and fundamental business principles. Basic academic skills (mathematics, science, English, and history/social science) are integrated into this course.

## **Career Investigations I**

This course prepares students to be “career investigators”. To obtain the title, students must assess their roles in society, identify their roles as workers, analyze their personal assets, complete a basic exploration of career clusters, select career fields or occupations for further study, and create a plan based on their academic and career interests.

## **Computer Solutions**

Computer Solutions is a course used to explore Computer Science. Exploring Computer Science is designed to introduce students to the breadth of the field of computer science through an exploration of engaging and accessible topics. Rather than focusing the entire course on learning a particular software tool or programming language, the course is designed to explore the conceptual ideas of computing and to introduce students to a variety of tools and languages that might be utilized to solve particular problems. It's an opportunity for rich cultural connections and integration with all subject-areas.

## Eighth Grade Curriculum

Eighth grade students at Andrew Lewis are required to take subjects in four academic areas plus health and physical education. Each student also is required to take a combination of elective classes for a total of two periods in the school day. This equates to 2 full year electives, or 1 full year elective and 2 semester electives, or 4 semester electives. Registration for these classes is based upon standards listed in the course description. Student achievement will be measured using the Salem grading scale.

### REQUIRED COURSES:

- English 8/Advanced English 8
- Math (Pre-Algebra, Algebra I or Geometry)
- Physical Science 8
- World Geography
- Physical Education 9
- Health Education 9

### ELECTIVE COURSES - Full Year (FY):

- Chorus 8
- Concert Band 8
- Symphonic Band 8
- French I
- Spanish I
- German I
- Chinese I
- Photojournalism 8 & Desktop Publishing

### ELECTIVE COURSES - One Semester (SEM):

- Introduction to Early Childhood Education
- Exploring Foods
- Computer Applications
- Design, Multimedia & Web Technologies
- Imaging Technology (Photography)
- Intro to Manufacturing Systems
- Intro to Engineering
- Intro to Architecture
- Art Foundations
- Drama
- Keyboarding 8

NOTE: Eighth grade students can earn high school credit for successful completion of the following courses. Students and parents are advised to read carefully the information in this guide regarding high school transcripts and add-drop policies.

<b>Course</b>	<b>Credit</b>
Algebra I	1.0
Geometry	1.0
World Geography	1.0
French I	1.0
Spanish I	1.0
German I	1.0
Chinese I	1.0
Intro. To Early Childhood Education	0.5
Exploring Foods	0.5
Computer Applications	0.5
Keyboarding	0.5
Design, Multimedia & Web Technologies	0.5
Imaging Technology (Photography)	0.5
Intro to Manufacturing	0.5

Intro to Engineering	0.5
Intro to Architecture	0.5
Art Foundations	0.5
Photojournalism & Desktop Publishing	0.5
PE 9	0.5
Health 9	0.5

### **English 8 or Advanced English 8**

English 8 consists of the study of English grammar, composition, and reading comprehension. Students continue to develop reading skills and to study literature with special attention to the elements of fiction. Composition as a process, and the development of sentence mechanics, vocabulary, and usage skills are emphasized. Group participation and good listening habits are also stressed.

To better meet the diverse needs of students in English, the eighth grade curriculum is divided into two levels: English 8 and Advanced English. English 8 places heavy emphasis on reading and writing workshops as well as enhancing vocabulary and grammar skills. Advanced English challenges students with more difficult reading, SAT-gearred vocabulary, and fine tuning written/oral expression through presentations, research papers, writing portfolios, and literature discussions.

### **Physical Science 8**

This course is designed to assist the student in the development of physical science concepts using an investigative approach. Actual laboratory experience promotes and encourages involvement. Opportunities are provided for independent study throughout the year.

### **Pre-Algebra**

This course is designed to allow students more time to achieve a better understanding of the algebraic concepts. The students will use variables and variable expressions in combining like terms, explore the relationship of the set and subsets of the real number system, and simplify expressions using absolute value and order of operations. They will solve problems using the properties of real numbers and evaluate formulas. Various problem-solving strategies will be implemented. Students will work with graphing on a number line and in a coordinate plane. A brief study of relations, functions, and matrices will be included. Students taking this course will take the Math 8 SOL test at the end of the year.

### **Algebra I – Credit 1.0**

Standards: 1) grade of B or better in Pre-Algebra, 2) teacher recommendation, 3) test scores.

Algebra I is the beginning of the math sequence taken by the majority of college bound students. Students are encouraged to develop self-reliance, a questioning attitude and verbal precision relating to mathematical problems. Topics to be studied include fundamental algebraic language, the real number system, equations, and inequalities, polynomials, factoring, coordinate graphing, systems of linear equations and inequalities, rational expressions, radicals and quadratics. Graphing calculators will be used as tools to assist in problem solving throughout the course. Students taking Algebra I in the 8<sup>th</sup> grade are beginning the advanced math progression which will culminate with Calculus or Math Studies II their senior year. Students completing this course will take the Algebra I end-of-course SOL test, which will result in a verified SOL credit with a passing score.

### **Geometry – Credit 1.0**

This course is designed for students who have successfully completed the standards for Algebra I. The course includes, among other things, properties of geometric figures, trigonometric relationships, and reasoning to justify conclusions. Methods of justification will include paragraph proofs, two-column proofs, indirect proofs,



coordinate proofs, and verbal arguments. A gradual development of formal proof is encouraged. Inductive and intuitive approaches to proof as well as deductive axiomatic methods should be used.

This set of standards includes emphasis on two- and three-dimensional reasoning skills, coordinate and transformational geometry, and the use of geometric models to solve problems. A variety of applications and some general problem-solving techniques including algebraic skills should be used to implement these standards. Calculators, computers, graphing utilities (graphing calculators or computer graphing simulators), dynamic geometry software, and other appropriate technology tools will be used to assist in teaching and learning. Any technology that will enhance student learning should be used. Upon completion students will take the Geometry end-of-course SOL test.

### **World Geography - Credit 1.0**

World Geography provides students with an opportunity to study the cultural and physical environment of the people of the world. Various regions of the world are studied to develop an understanding of the differences and similarities, which occur culturally, politically, economically, and socially among the peoples of the world. The course includes fundamental geographic concepts and current world events. Upon completion students will take the World Geography end-of-course SOL test.

### **Physical Education 9 (7310) Credit – 0.5**

This course focuses on the basics of personal fitness through movement and activity. The student will demonstrate achievement and maintenance of a health-enhancing level of personal fitness by designing, implementing, self-assessing, and modifying a personal fitness program. The student will set goals, devise strategies, and apply the FITT (Frequency, Intensity, Time, Type) principle and other principles of training such as overload, specificity, and progression, in accordance with personal goals. The student will use a variety of resources, including available technology, to assess, design, and evaluate a personal fitness plan.

### **Health Education 9 (7320) Credit – 0.5**

This course will focus on the following topics: Health and Wellness, Healthy Family relations, Consumer Health, Alcohol, Tobacco and Drugs, Communicable Diseases, Systems of the Body, Family Life, First Aid & CPR, Health Related Emergencies, Safety and Well-being, Internet Safety, Resolving Conflict and Preventing Violence. Students will also be able to earn Adult CPR certification through the Emergency Care and Safety Institute.

### **Eighth Grade Electives**

Eighth grade students may choose among any of the following three combinations of electives:  
4 Semester (SEM) Electives  
2 Full Year (FY) Electives  
1 Full Year (FY) and 2 Semester (SEM) Electives

### **Photojournalism 8 & Desktop Publishing - (6630) – Credit 0.5**

This course introduces the student to all phases of yearbook and newspaper production. Students enrolled in this class will actually produce the ALMS yearbook and the school newspaper using online programs, Adobe InDesign and Photoshop and other software, as needed. During the second semester of this course, 8th grade students will be enrolled in Desktop Publishing (DTP) for 0.5 credit (see course description for Desktop Publishing details). To be eligible for this course, students must complete an application available in the Guidance Office. The completed application must be submitted to the Photojournalism teacher or to the

Guidance Office. Students selected will be registered for the class. Those not selected will be registered for their second choice elective.

Desktop Publishing - This semester course introduces the basics of desktop publishing using Adobe InDesign. Terminology, page layout, and design will be addressed. Fonts, clip art, and graphic ideas will be studied and used. Digital photography and scanning will be addressed and incorporated into course work. Students will produce newsletters, programs, brochures, announcements, flyers, etc. Presentation portfolios will be developed. To register for this course students should have completed Keyboarding and Exploratory 6.

### **Art Foundations (9120) Credit – 0.5**

Art Foundations is a one-semester studio course designed to introduce students to various techniques and media used in both two- and three-dimensional design. \*Only students who are serious about art should take this course. It is a prerequisite to art classes at Salem High School. Students will study and work in such areas as drawing, painting and art appreciation with emphasis on the elements of art and principles of design. Students are responsible for some art supplies. Students who qualify for free or reduced price lunch may request that the fee be reduced or waived.

### **Introduction to Early Childhood Education (8233) Credit – 0.5**

This course serves as an introductory class for the Early Childhood Education program. Students learn about parenting through the study of the intellectual, social-emotional, and physical growth and development of children in the ages of early childhood. This class also provides the opportunity to explore careers in the early childhood education field. Class activities include lecture-demonstrations, live events, and individual projects. Child Development students and their parent/guardian will be expected to sign and abide by the Early Childhood Education Code of Ethics Contract. Students are encouraged to have active participation in FCCLA.

### **Computer Applications (6611) Credit - 0.5**

This is a semester class designed to enhance the student's knowledge of computer hardware and the Microsoft Office Suite of software programs. Students will learn the basics of Word, PowerPoint, Excel and Access. Students will utilize skills learned to produce projects, documents, spreadsheets, databases, and PowerPoint presentations. This course allows the student to obtain hands-on experience as well as become familiar with computer technology. The course addresses all of the computer/technology SOL's.

### **Exploring Foods (8249) Credit – 0.5**

The Introduction to Culinary Arts curriculum provides students with opportunities to explore career options and entrepreneurial opportunities within the food service industry. Students investigate food safety and sanitation, explore culinary preparation foundations, practice basic culinary skills, explore diverse cuisines and service styles, investigate nutrition and menu development, and examine the economics of food. The curriculum places a strong emphasis on science and mathematics knowledge and skills.

### **Drama 8 - (1390)**

This class introduces the student to elementary theater arts. He/she learns to use the body and voice for effective communication. Also, the student learns basic skills and concepts of acting, including pantomime. At the end of each semester, the students will perform a one-act play for an assembly.

### **Design, Multimedia & Web Technologies (6632) -Credit - 0.5**

This semester course introduces the basics of desktop publishing using Adobe InDesign. Terminology, page layout and design will be addressed. Fonts, clip art, and graphic ideas will be studied and used. Digital photography and scanning will be addressed and incorporated into course work. Students will produce newsletters, programs, brochures, announcements, flyers, etc. Presentation portfolios will be developed.

### **Imaging Technology (Photography) (8474) Credit – 0.5**

Imaging Technology introduces students to the basic principles of photography while providing a strong emphasis on digital imaging. Students study the development of photography as a communication medium and its evolution into the digital realm. Students learn to use image-editing software to manipulate digital images.

### **Introduction to Manufacturing Systems (8426) Credit – 0.5**

This course provides an orientation to careers in various fields of manufacturing. Emphasis will be placed on manufacturing systems, safety, materials, production, business concepts, and the manufacturing process. Students participate in individual and team activities to create products that demonstrate critical elements of manufacturing.

### **Introduction to Engineering (8482) Credit – 0.5**

This class will expose students to the fundamental elements of a good engineering design, and to the creative problem solving methods practiced by engineers. This class is intended to interest and excite students about engineering through real world engineering practice. Students will complete a variety of engineering design projects during this semester course.

### **Introduction to Architecture (8492) Credit – 0.5**

Introduction to Architecture is a semester course designed to allow students a chance to gain knowledge of the function of the architect as well as house plans, design and layout. Students will gain experience by designing and drawing plans for a client while acting as the architect. The plans will include floor plans, wall details, elevations and electrical plans.

### **Introduction to Computer Science (9826) – 0.5**

Introduction to Computer Science is a blended online and face to face learning, project based class. Students will learn about cyber security, digital citizenship, text and block based coding, programming, design thinking, and computational thinking. Students will also complete a portion of the course online, learning foundations of computer science and an introduction to Python coding language in preparation for opportunities at SHS.

### **Keyboarding 8 - (6151) - Credit - 0.5**

This is a semester course in which students learn to type by the touch system. Basic computer and word processing skills are emphasized through the production of letters, outlines, reports and tables. Skills learned in this course will help students be successful in high school, college and beyond

### **Chorus 8 - FY**

This course introduces choral singing by developing proper singing techniques, ear training skills, music reading skills, and the use of two and three part songs in a variety of styles. Outside rehearsals and performances are required.

### **Band 8 (FY)**

There are several sections offered to meet the needs of eighth grade students interested in instrumental music. The instructor based on student proficiency will determine student placement. Students are responsible for providing their own instruments. There are school-owned instruments available for those students with a financial need.

Those sections are:

**Symphonic Band**– This class is an advanced, performance-based ensemble where students continue to improve their instrumental skills learned in the first year of band. Only students who have successfully completed the Beginning Band course will be accepted. Emphasis is placed on learning to perform with a group of musicians at a higher level. After school rehearsals and outside performances required.

**Concert Band** – This course is primarily for entry level students who would like to improve their instrumental skills. No experience is necessary. Emphasis is on group instruction, and private practice by the student. After school rehearsals and outside performances are required.

### **World Language - (FY)**

World languages are high school level classes; hence, student work is expected to be high school level work. Since world languages are credit-bearing courses, students should expect daily homework and study. A commitment to regular practice is essential for success. Taking a world language in 8<sup>th</sup> grade is recommended for students wanting five years of study in languages. **It is strongly recommended that a student earn a final grade of C or better in his/her current Language Arts class prior to registering for a world language. A student enrolled in a world language in eighth grade must remain in the class for at least one semester.**

### **German I - Credit 1.0**

This course is designed to introduce students to the German Language at the beginning level. Listening and speaking skills are stressed. Students learn to converse using everyday German vocabulary, as well as how to read and write in the language. Basic grammar is taught; therefore, a strong background in English grammar is recommended. The geography and culture of the German-speaking world are introduced through maps, readings, and videos. Learning will be enhanced through the use of multi-media and regular use of the internet.

### **Spanish I - Credit 1.0**

This course is designed to introduce students to the Spanish language. Listening and speaking skills are stressed. Students learn to converse in everyday Spanish, as well as how to read and write in the language. Basic grammar is taught; therefore, a strong background in English grammar is recommended. The geography and culture of Spanish-speaking countries are introduced through maps, speakers, and videos.

### **French I - Credit - 1.0**

This course is designed to help students learn elementary French. Listening and speaking skills are stressed along with reading and writing. Basic grammar is studied; therefore, a strong background in English grammar is recommended. Students learn to converse using everyday French vocabulary. The geography and the culture of France are introduced through maps, readings, and videos.

### **Mandarin Chinese 1 – Credit 1.0**

Chinese is a very different kind of language learning than what most of us are used to; the brain will be asked to do things that Romance and Germanic languages do not require. Even so, general mastery of the Chinese language is a reasonable goal and something that the dedicated student can accomplish. With the help of a TCLP exchange teacher, our goal is to help students take the first important steps on a journey of language learning.

The Chinese 1 course will begin with the basics: tones and radicals. Students will quickly move into vocabulary and grammar. As for literacy, students will learn 2 systems of reading / writing.

pinyin (the phonetic transcription / romanization of Mandarin Chinese)  
simplified characters (the script of mainland China)

The Discovering Chinese textbook series was specially chosen to guide the curriculum of this course. This is a great resource that pairs practical content, good organization, and cool graphics to serve high school students very well. Chinese 1 students will complete Volume 1 & 2 of the series.

## REGISTRATION WORKSHEET 2019-2020 School Year

STUDENT NAME: \_\_\_\_\_ STUDENT #: \_\_\_\_\_  
(Please print)

All rising 7th grade students will register for the following classes:

- Language Arts 7
- Life Science 7
- Social Science 7 (Civics and Economics)
- Physical Education/Health 7

You must make a choice of a math class. Your teacher has recommended the math class you should take below. This recommendation is based on your performance on various math assessments and your progress in your current math class. If you or your parent(s) have a question about your math class for next year, you should contact your current math teacher. You are strongly encouraged to follow your teacher's recommendation! Please note that the Algebra class is a high school credit class. Choose one of the following:

- \_\_\_\_\_ Math 7
- \_\_\_\_\_ Pre-Algebra
- \_\_\_\_\_ Algebra I (1.0 credit)

Teacher Recommendation:
Math Teacher Signature:
Semester Math Grade:

Students may take an elective class of their own choosing. List your choice of elective but include only those classes you would be willing to take. **List no fewer than six choices in order of preference as you may not always receive your first choice. All class offerings are subject to change based on staffing requirements and student interest.**

Elective Courses	Course # and Name		Length of Course	H.S. Credit
Music	9270	Chorus 7	FY	
	9236	Band 7	FY	
Other Electives	6630	Photojournalism 7 <sup>1</sup>	FY	
	6150	Keyboarding	SEM	0.5
	8205	Teen Living	SEM	
	9106	Introduction to Painting	SEM	
	8463	Technology Systems I	SEM	
	9115	Introduction to Drawing	SEM	
	5700	Introduction to World Language	SEM	
	6609	Computer Solutions	SEM	
	8114	Make It Your Business	SEM	
	9060	Career Investigations 1	SEM	

YOUR CHOICES (List no fewer than <b>six</b> classes in order of preference.):
1.
2.
3.
4.
5.
6.
7.
8.

<sup>1</sup> An application for this course is required -- class size is limited.

**NOTE: Algebra I and selected elective classes are high school credit classes. Grades earned will become part of your official high school transcript and G.P.A.**

\_\_\_\_\_  
Parent Signature

\_\_\_\_\_  
Date

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

\_\_\_\_\_  
Date

## REGISTRATION WORKSHEET 2019-2020 School Year

STUDENT NAME: \_\_\_\_\_

All rising 8<sup>th</sup> grade students will register for the following classes:

English 8  
Advanced English 8  
Physical Science 8  
World Geography (1.0 HS credit)  
Physical Education 9 / Health 9 (0.5 Credit **each**)

English Teacher Signature:
Semester English Grade:
Teacher Recommendation:

You must make a choice of a math class. Your teacher has recommended the math class you should take below. This recommendation is based on your performance on various math assessments and your progress in your current math class. If you or your parent(s) have a question about your math class for next year, you should contact your current math teacher. You are strongly encouraged to follow your teacher's recommendation! Please note that Algebra and Geometry are high school credit classes. Choose one of the following:

- \_\_\_\_\_ Pre-Algebra  
\_\_\_\_\_ Algebra I (1.0 HS credit)  
\_\_\_\_\_ Geometry (1.0 HS credit)

Math Teacher Signature:
Semester Math Grade:
Teacher Recommendation:

All students are required to take elective classes of their own choosing. You will have 2 periods a day -- so you can take 2 different classes for each of the semesters. Electives are either full year (FY) or a semester (SEM) in length. Some will afford high school credit upon successful completion of the course. If that is the case, that credit is listed by the course. **List no fewer than six choices in order of preference as you may not always receive your first choices. All class offerings are subject to change based on staffing requirements and student interest.**

Elective Courses	Course # and Name		Length of Course	H.S. Credit
World Language <sup>1</sup>	5110	French I <sup>1</sup>	FY	1.0
	5210	German I <sup>1</sup>	FY	1.0
	5820	Chinese 1	FY	1.0
	5510	Spanish I <sup>1</sup>	FY	1.0
Music	9233	Concert / Symphonic Band 8 <sup>2</sup>	FY	
	9289	Choir 8	FY	
Other Electives	6630	Photojournalism 8/Desktop Publishing <sup>3</sup>	FY	0.5
	6611	Computer Applications	SEM	0.5
	6632	Design, Multi-Media, and Web Tech <sup>4</sup>	SEM	0.5
	8474	Imaging Technology (Photography)	SEM	0.5
	8233	Intro. to Early Childhood Education	SEM	0.5
	8249	Exploring Foods	SEM	0.5
	9120	Art Foundations	SEM	0.5
	1390	Drama 8	SEM	
	8426	Manufacturing Systems	SEM	0.5
	8482	Intro to Engineering	SEM	0.5
	8492	Intro to Architecture	SEM	0.5
	6151	Keyboarding	SEM	0.5
9826	Intro. to Computer Science	SEM	0.5	

YOUR CHOICES (List no fewer than <b>six</b> classes in order of preference.):
1.
2.
3.
4.
5.
6.
7.
8.
9.

<sup>1</sup> A final Language Arts grade of C or better is **strongly recommended** for any World Language class.

<sup>2</sup> For those who have already completed Beginning Band 7 and teacher recommendation.

<sup>3</sup> An application for this course is required --class size is limited.

<sup>4</sup> Prerequisite: Satisfactory completion of Keyboarding or Keyboarding Exploratory 6.

**NOTE: High school credit classes will be part of your official high school transcript and G.P.A.**

\_\_\_\_\_  
Parent Signature

\_\_\_\_\_  
Date

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

\_\_\_\_\_  
Date

**ATTENTION:** Please note that students who sign up for a world language are committed to that language for at least one semester. Please give careful consideration to this decision. By signing this document, you agree to stay in that world language for at least one semester.

