School Year 2021-2022

Registration Information

Grade 8

Sample Schedule

(Electives or specials may be dropped for interventions or special services.)

PERIOD	A - DAY	B - DAY
Advisory	**Advisory**	**Advisory**
Daily Flex	**Daily Flex Choice**	**Daily Flex Choice**
1/2	**Physical Education**	**Elective Choice**
3/4	**World Language**	**Language Arts**
8th Gr. LUNCH	**LUNCH**	**LUNCH**
5/6	**Science**	**Social Studies**
7/8	**21st Century Literacy/ Flight Space**	**Math**

Visit our website for further information about South View:
http://southview.edinaschools.org

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SOUTH VIEW MIDDLE SCHOOL
GRADE 8 - COURSE DESCRIPTIONS
School Year 2020-2021

LANGUAGE ARTS

LANGUAGE ARTS 8: This course continues to develop a solid foundation of literary skills and composition with emphasis on the writing process. Students will read high quality literature that reflects diverse perspectives in all genres in addition to books they choose to read for their own enjoyment. Students will meet the 2012 Minnesota Language Arts Standards in reading, writing, viewing, listening, and speaking.

ENRICHED LANGUAGE ARTS 8: This course builds upon a solid foundation of literacy skills. Students write in a variety of genres for a variety of purposes, including written reflections on their own growth as writers. Students read high quality literature, mostly classic literature – in addition to books they choose to read for their own enjoyment. Reading and writing assignments often require independent work. ***Summer reading will be required of enriched students.***

21st CENTURY LITERACY 8: This course will provide students the opportunity to refine skills and strategies in Literacy, Research, Technology, and Communication necessary to transition smoothly and be successful in high school, college and the 21st Century. Students will also work with teachers, counselors and computer software to develop a 4-year, individualized plan in preparation for high school. This course will be paired with Flight, Space and Electronics.

MATHEMATICS

Students are required to take a full year of mathematics in grades 6, 7 and 8.

Algebra I: (Prerequisite: Pre-Algebra)
This math course will cover the 8th grade Minnesota Mathematics Standards. This will include the mathematics strands of Numbers and Operations, Algebra, Geometry and Measurements and Data Analysis and Probability. The Envision 2.0 Math Grade 8 materials will be used to help students meet these standards. Course topics include: Real numbers, solve linear equations, model relationships with functions, bivariate data, systems of linear equations, Pythagorean Theorem, congruence and similarity.

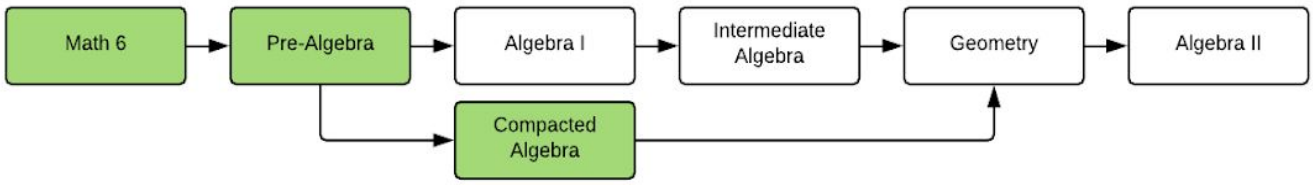
Intermediate Algebra: (Prerequisite: Algebra 1)
This math course extends and builds on the concepts from Algebra 8. Topics introduced and extended include: Linear and absolute value functions, systems of linear equations and inequalities, exponents and exponential functions, polynomials and factoring, quadratic functions, solving quadratic functions, manipulating functions and statistics.

Compacted Algebra: (**Prerequisite**: **Pre-Algebra and teacher recommendation**)
This math course will cover the 8th Grade and some 9th-11th Grade Minnesota Mathematics Standards. This will include the mathematics strands of Numbers and Operations, Algebra, Geometry and Measurements and Data Analysis and Probability. The Envision A|G|A materials will be used to help students meet these standards. Course topics include: real numbers, solving equations and inequalities, linear equations, linear functions, systems of linear equations, exponents and exponential functions, quadratics, polynomials, and statistics. This course will compact Algebra I and Intermediate Algebra into a 1 year course.

Geometry: (**Prerequisite**: **Compacted Algebra)**
This math course will cover 9th-11th grade Minnesota Mathematics Standards in the area of Geometry. The Envision A|G|A Geometry materials will be used to help students meet these standards. Course topics include: foundations in geometry, parallel and perpendicular lines, transformations, triangle congruences, triangle relationships, quadrilaterals and other polygons, similarity, right triangle trigonometry, circles, two and three dimensional models.

Algebra II (2): (Prerequisite: Geometry)
This math course will continue the study of functions started in previous Algebra course(s). Through the study of specific functions: notably linear, exponential, and polynomial functions, students will begin to see the structure of functions, and will work with various types of numbers, from rational and irrational to complex. Students will apply properties of numbers and properties of equality to carry out operations with different functions, with the goal of seeing the applicability to a wide range of phenomena that are natural or of human origin. The focus of transforming functions will help students build connections between the algebraic and graphical representation of functions.

<u>Pathways to meeting Minnesota Mathematics Standards:</u>



SCIENCE

SCIENCE 8 Pathway 1: The Pathway 1 science course will be offered in 8th grade. This year long course focuses on physical science topics aligned with the 2019 Minnesota Standards. Students will engage in science practices, argumentation, and engineering related to energy, magnetism, force, motion, and matter. Through the use of phenomena-based science, students will apply their understanding of scientific principles to real-life, relevant scenarios to explore and understand the world around them.

ENRICHED SCIENCE 8 Pathway 1: Enriched Science 8 is open to any student who would like to take on extra challenges and become proficient beyond basic standards. Students who take enriched science will explore the same topics described in "SCIENCE 8 Pathway 1" using a phenomena-based approach, however they will be guided to pace faster in order to participate in engineering internships, scientific seminars, as well as more complex data analysis and scientific argumentation. Teachers will assume students possess higher level reading, writing, and math skills to fully engage in this course. Enriched science candidates should be organized, motivated students who are enthusiastic about physical science.

Science 8 Pathway 2 - Physical Earth: (Prerequisite - Pathway 2 - Science 6 & 7) This year-long course focuses on Earth Science standards. Students will engage in science practices as they learn about mechanisms and phenomena on Earth and in space. Space science topics include solar systems, laws of gravitation and planetary motion, the Big Bang Theory, and the composition of stars. The course explores Earth's atmosphere and water, including air compositions and circulations, the carbon cycle, the greenhouse effect, oceans, and wetlands. Students will also learn about geology topics, including rock formation, volcanic and tectonic activity, and wave propagation (earthquakes).

SOCIAL STUDIES

SOCIAL STUDIES 8: Social Studies 8 focuses on the geography and history of the contemporary world. Students will explore the regions of the world using geographic, political, economic and historical information from a variety of sources. Events of the Cold War and post/Cold War era along with trends shaping the modern world such as demographic change and globalization leading to intensified cultural interactions are analyzed through civil discourse and inquiry. Common Core reading and writing standards are integrated into this course.

ENGINEERING AND TECHNOLOGY

FLIGHT & SPACE/ THE MAGIC OF ELECTRONS ('PROJECT LEAD THE WAY'): The purpose of this unit is to introduce the students to aeronautics, space, and electronics. They learn about Newton's

Laws of Motion, forces, rockets, propulsion, and what makes things fly. Students acquire and apply knowledge and skills in engineering, problem solving, and explore the many aspects of aerospace engineering. Through hands-on projects, students explore the science of electricity, the movement of atoms, circuit design, and sensing devices. Students acquire knowledge and skills in basic circuitry design and explore the impact of electricity on our lives. This course will be paired with 21st Century Literacy.

PHYSICAL EDUCATION

PERSONAL WELLNESS: Personal Wellness 8 is designed to be a semester long course. It is a combination of physical activity and classroom learning designed to develop the whole student physically, mentally/emotionally and socially now and across their lifespan. Students will use the overload principle (FITT formula) in preparing a personal fitness plan based on their likes and interests, demonstrate basic movements used in their stress-reducing activities such as yoga and tai chi, use available technology (heart rate monitors) to self-monitor quantity of exercise needed for a minimal health standard and/or optimal functioning based on current fitness level, design and implement a program to improve levels of health-related fitness and nutrition, cooperate with multiple classmates on problem-solving initiatives including adventure activities, large-group initiatives and game play, identify the 5 components of health-related fitness (muscular strength, muscular endurance, flexibility, cardiovascular endurance and body composition), demonstrate personal water safety skills and basic reach and throw rescues, and explain the connections between fitness and overall physical and mental health. Students will have the opportunity to develop their personal wellness through self-selection of a wide variety of physical activities to support the interest of all students. Self-selection (student choice) of personal wellness development activities include choices for the following themes:

- Lifetime Activities (includes but not limited to yoga, self-defense, disc golf, archery, Zumba, badminton)
- Net Games (includes but not limited to tennis, volleyball, pickle bass, table tennis, newcomb)
- Team Games (includes but not limited to flag football, speedball, ultimate frisbee, soccer, floor hockey)

WORLD LANGUAGE

CHINESE LEVEL 1: This course is structured for the student to continue the study and mastery of the basic skills of speaking, listening, writing, and reading beginning Chinese. As in Chinese Level I, the course focuses on modern Mandarin Chinese, but some commonly used formal expressions used only in written Chinese are also included. Students will become acquainted with

contemporary Chinese life and the contributions of the Chinese culture. ***Prerequisite: Intro to Chinese B***

FRENCH LEVEL 1: This course is a continuation of the 7th grade French curriculum. Developing communication skills is emphasized. The teacher uses primarily French in class to promote oral and listening proficiency, with English used for in- depth explanations when needed. Topics studied emphasize the everyday life of adolescents in French-speaking cultures to promote students' cultural understanding and appreciation, as well as language development. Students are expected to express their needs and concerns in French whenever possible, and demonstrate their skills through listening, speaking, reading and writing in French. ***Prerequisite: Successful completion of Intro to French B or teacher approval.***

LATIN LEVEL 1: This class is a continuation of the 7th grade Latin curriculum. In order to increase understanding of the basic forms, structures and cultures of Latin, students learn grammar and vocabulary through reading the ongoing storyline. Topics studied include Roman entertainment, government, education system, and ancient Roman Britain. Vocabulary building--both in Latin and English--is a major goal of this class. ***Prerequisite: Successful completion of Intro to Latin B or teacher approval.***

SPANISH LEVEL 1: This course is a continuation of the 7th grade Spanish curriculum. Developing communication skills is emphasized. The teacher uses Spanish in class to promote oral and listening proficiency, with English used for in-depth explanations when needed. Students are expected to express their needs and concerns in Spanish whenever possible, and will demonstrate their skills through listening, speaking, reading and writing in Spanish. ***Prerequisite: Successful completion of Intro to Spanish B or instructor approval.***

INTRO TO SPANISH A & B: This course is designed for students who have no previous experience in Spanish. Students learn basic Spanish expressions, vocabulary and structural forms. The teacher uses Spanish in class to promote oral and listening proficiency, with English used for in-depth explanations when needed. The emphasis of the class is on communication in the present tense in all four modalities (speaking, reading, writing and listening). Students will make cultural comparisons and connections with the Spanish-speaking world.

8th GRADE ELECTIVE COURSE SELECTIONS

ART IN THE DIGITAL WORLD: This course is designed for students interested in Art to explore and work in the digital format. Students will utilize computer software, digital photography, video, and other means to communicate visually. Artists and designers who work in digital media will be highlighted. **This is an extension of 7th Grade Art in the Digital Age, but it is not a prerequisite for this course**

DRAWING, PAINTING & PRINTMAKING: This course is designed for students to explore and work in a variety of two-dimensional materials and concepts. Projects include sketching, drawing, painting and printmaking, with an emphasis on developing individual style. Students will focus on art from historical perspectives. **Course Offered: Semester 1 or 2**

POTTERY & SCULPTURE: This class is designed for students to explore and work in a variety of three-dimensional materials and concepts. Students will explore sculptures, assemblage, figure sculptures and pottery, with an emphasis on developing individual style. **Course Offered: Semester 1 or 2**

INTRODUCTION TO DRAMATICS: This semester elective course is a performance-based workshop open to all 8th graders interested in theater background and performance skills. Activities include movement, improvisation and scene work from plays. Students will learn about the history of theatre and about theatre-related jobs. They will also learn some stagecraft techniques, such as designing and creating masks, costumes and/or sets. The class includes a field trip to a theatrical production and a final Drama Workshop in which all of the drama students will perform in front of an audience. (*Activity fee based on cost of the field trip*.)

For All Band/Orchestra Students: *Students are encouraged to have previous band/orchestra or private lesson instruction in order to experience immediate success in their grade level band/orchestra classes.*

BAND: This full-year, alternating-day course is designed to offer band students further opportunities to improve and expand their performance skills. Instruction will include beginning marching experience and advanced materials that will aid the student to bridge the gap to high school performances. Lessons are given by sections during rotating class periods. Concerts are scheduled throughout the school year. Solo Festival participation is required as further preparation for high school performance requirements. Individual daily practice outside of school should be a strong commitment. Ensemble groups, including jazz band, will be formed during the school year.

SA CHOIR 8 (Soprano-Alto)

SA Choir 8 is a full year, alternating day, blocked class, for soprano and alto voices, which offers students an opportunity to sing and perform in both a like-voice and mixed-voice setting. The class focuses on the rehearsal and performance of a variety of musical genres, as well as the development of musical literacy and vocal technique. Special attention is given to challenges of the changing adolescent voice. All Choir 8 members are required to perform in the Fall Concert, the Winter Concert, and the Spring Concert. All concerts are evening performances.

TB CHOIR 8 (Emerging Tenor-Baritone)

TB Choir 8 is a full year, alternating day, blocked class, for emerging tenor and baritone voices, which offers students an opportunity to sing and perform in both a like-voice and mixed-voice setting. The class focuses on the rehearsal and performance of a variety of musical genres, as well as the development of musical literacy and vocal technique. Special attention is given to challenges of the changing adolescent voice. All Choir 8

members are required to perform in the Fall Concert, the Winter Concert, and the Spring Concert. All concerts are evening performances.

ORCHESTRA: This full-year, alternating-day course is designed to provide instrumental students an opportunity to perform in a large orchestral group. Students have the opportunity to perform as soloists and in small ensembles. In-school and public performances are scheduled throughout the year. Commitment to out-of-class individual practice time on a daily basis should be a strong consideration. Orchestra students are required to perform in three evening concerts per year. Ensemble groups will be formed during the school year.

FOOD AND FABRICS: This is a semester course designed for students desiring more experiences with collaborative cooking groups and self-directed sewing projects. Foods unit includes safety, measurement, and preparation of food with visual appeal. Emphasis is placed on food choices for meals and entertaining. This unit concludes with a "theme party" in which students utilize leadership skills to plan and prepare an entire meal. In the sewing unit, students demonstrate productivity and accountability through design and construction of a personalized pillow. A kit is used for construction of an athletic bag project.

REGIONAL FOODS: This course will provide an opportunity for students to explore and prepare dishes from the regional differences that make up the United States. These regions include: Midwest, Southern, Western, Eastern, Northeast, Pacific & Hawaiian and will also include Our Class Story. The students will be exposed to the unique topography, ethnic background, common foods and traits that make up each region of our county.

LIFE SKILLS: This class is a leadership/mentoring opportunity for students to work with special education students in the FACS classroom modeling and guiding them to meet their transitional needs to live independently. Mentors will be able to help others work at the pace that meets their unique needs. This class will include specialized units such as food and nutrition (garden), shopping/cooking labs, eating out, table manners, social skills, clothing care, sewing, service project, and body awareness/hygiene. Special education students will be obtaining knowledge and skills required to meet the challenges of everyday life.

CULINARY TECH AND FASHION FABRICATION:

Culinary Tech and Fashion Fabrication is an interdisciplinary course that combines FACS and PLTW into a hands-on exploratory opportunity. You will be baking and cooking foods in the foods lab and building projects with wood metal in the Fab Lab. Students will sew and create projects reflecting current fashion/trends. Students will have fun taking what's in their closet and alter or embellish clothing items to make it new again. Students will also use various hand and power tools, and various machines to solve problems and create solutions while enjoying a hands-on learning approach. You'll make a gumball dispenser, copper bracelet, cord keeper, and locker organizer in addition to cooking. Included in this course is an element of creativity for you to explore.

FITNESS FUN 8: This middle level elective is designed to emphasize personal fitness through a wide array of physical activities. A basic conditioning program which alternates, aerobics, yoga, Pilates, and strength training will be used. Students will also participate in lifetime recreational activities that promote health and enjoyment. Golf, tennis, cross country skiing, badminton, and power walking are examples of the activities included. Information on a variety of health related fitness topics and use of pedometer, heart rate monitor, and global positioning system will also be presented.

GRAPHIC DESIGN & MARKETING: Graphic Design is the process of combining text and graphics to communicate to an audience that includes consumers, clients, and colleagues. This course will teach you the skills to convey an effective message to any audience. Students will learn about the use CorelDraw, Photoshop, Illustrator, InDesign, and other design programs. A unique part of this course will be the opportunity for students to create client based designs and just-in-time production. Students will have the opportunity to use creative skills in all aspects of marketing, including advertising and promoting products. You will use your Graphic Design & Marketing skills to create graphic products for the South View community.

INTRODUCTION TO CODING: This course will introduce students to coding. They will be exposed to several coding languages for web page design, app and game development. Students will learn how these concepts and programs can be used with the engineering design process to solve problems. The course will utilize web-based coding opportunities.

RESEARCH, DESIGN & FABRICATION (RDF):
In Research, Design & Fabrication students design, manufacture, and race a model CO2-powered dragster. Students will also complete the Rube Goldberg Challenge. Students design their car to meet certain specifications and limitations so that it qualifies as a legal car on race day. After they finish their car, students test it in several ways and predict its performance. Students complete the Rube Goldberg Challenge by building a mechanism that incorporates 6 simple machines. The Rube Goldberg machine will work by activating the initial mechanism, than the machine will run on its own activating each simple machine in a sequential order to complete a simple task.

SCIENCE OF TECHNOLOGY – GREEN ARCHITECTURE: For the first focus of the class we look at applications of physical motion and energy transformation through a series of hands-on activities and projects that include simple machines, device disassembly and re-design, and invention vs. innovation. We will also examine the Design Process/Design Cycle and how it applies to prototyping and fabrication. For Green Architecture, the focus turns to “being green” with regards to construction processes and interior design. The need to understand affordable and environmentally sensitive building options, including repurposing materials, will be key to the world’s future housing needs.

UNIFIED PE: This middle school course combines people with and without disabilities together as teammates. Training, playing, and competing together leads to understanding, acceptance, and friendship in, and outside of class. Students will strengthen their physical fitness, improve their sports skills and develop social skills. They will challenge existing stereotypes about people with disabilities

by learning to problem-solve in unison for the purpose of achieving success on a variety of tasks. Unified PE will provide a welcoming environment for all students to help empower them to reach their full potential.

ADDITIONAL SERVICES

AVID: Grades 7-8 – Full-Year Elective (Prior enrollment in AVID is NOT required.)
Prerequisites: Recommendation, Application, Interview Required

Advancement Via Individual Determination (AVID) is a series of academic, regularly scheduled elective classes that uses writing as a tool for learning, inquiry, and collaboration. In AVID I, students are introduced to the main components of the AVID program: academic instruction (AVID curriculum), tutorial support, organizational and study skills, school success strategies and motivational activities. The mission of the AVID program is to ensure that all students, especially students in the middle capable of completing a college-preparatory path, have a chance to succeed, and to increase enrollment of these students in four-year colleges and universities. This is the introductory-level course which, when combined with AVID 2, 3 and 4, will provide support and skill development in areas specifically aligned with success in rigorous courses in the foundation content areas and in preparing students for success in college. A recommendation, application and interview are required. Students must be accepted into the AVID program.

ENGLISH LEARNERS (EL): This program is designed for students for whom English is a second language. The program will provide specialized tutoring for the non-English speaking students who are experiencing difficulty speaking, interpreting and reading English. Eligibility for the program will be determined by English proficiency testing.

GIFTED EDUCATION SERVICES: Students are identified for gifted education services on the basis of nationally-normed achievement and aptitude measures and teacher and parent recommendations using a characteristic checklist. Students select from a variety of enrichment opportunities facilitated by Resource Teachers. Activities for middle-school students include small-group special-topic seminars and workshops, mentorships and opportunities to pursue special topics through independent projects and informational interviews.

SPECIAL EDUCATION PROGRAMS/SERVICES: Special education services for students with identified disabilities are available to students in areas mandated and guided by laws, rules, and regulations. Students do not register for these services or programs. They are determined either through a formal individual evaluation process or are planned with parents as a continuation of needed services identified prior to enrolling at South View Middle School. For more specific questions relating to Special Education contact Kelly Cool, South View Special Education Facilitator, at 952-848-4922.

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