

# SHARPSVILLE MIDDLE SCHOOL

## 2021-22 COURSE GUIDE

### **GRADE 6**

**ELA 6:** The sixth grade language arts program consists of the integration of reading, spelling, vocabulary, and process writing through various activities.

**Math 6:** This course will cover the fundamental concepts of numbers and operations, including decimals and fractions; geometry; algebraic concepts; measurement; and data analysis and probability.

**STEAM 6: STEAM** is an interdisciplinary Science, Technology, Engineering, Arts and Mathematics course designed to engage students in real world, hands-on, collaborative learning while mastering core mathematical and physical science concepts.

**Science 6:** Life Science focuses on establishing an awareness of the delicate balance between Earth's environment and its inhabitants.

**Social Studies 6:** Students will examine early cultures throughout the world and their possible impacts upon today's cultures.

**Art 6:** Students will be experimenting with various mediums, including clay, tempera paints, oil pastels, pencil, and others. Art history, aesthetics, criticism, and design principles will also be discussed along with the production of projects. This is a 9-week rotation course.

**Makers 6:** Students will continue with robotics instruction using the Finch robots, as well as gain exposure to some woodshop basics. This is a 9-week rotation course.

**Music 6:** Students will explore a wide range of musical instruments, concepts, styles, and genres. This is a 9-week rotation course.

**Literary Workshop 6:** This course will help students learn how to research effectively and engage with sources critically in order to produce creative and informed writing projects.

**Physical Education:** Physical Education classes meet twice a week. Some of the activities include personal fitness, team sports, life-time activities, and recreational games.

**Yoga:** This introductory course will build physical and mental awareness, strength, and flexibility.

**Teambuilding:** Students will work on problem-solving and social skills within the context of cooperative games.

**Bridges:** Topics discussed will include a wide range of social/emotional issues common to young adolescents, and students will learn coping skills and ways to get help.

*\*Yoga, Teambuilding, and Bridges meet once per week for 12 weeks.*

**Band/Choir 6:** This is an elective, performance-driven course that meets 2/3 days per week.

## **GRADE 7**

**ELA 7:** The seventh grade language arts program consists of reading, English, spelling, vocabulary, process writing, and a research paper.

**Math 7:** This course will cover the fundamental concepts of numbers and operations, including ratios and proportions; measurement; geometry; algebraic concepts, including solving one-step equations; and data analysis and probability, including central tendency.

**Algebra I:** This course will cover the fundamental concepts of numbers and operations, including solving percents; measurement; geometry, including the Pythagorean theorem; algebraic concepts, including solving multi-step equations and inequalities, graphing linear equations and inequalities, functions, and polynomials; and data analysis and probability.

**STEAM 7: STEAM** is an interdisciplinary Science, Technology, Engineering, Arts and Mathematics course designed to engage students in real world, hands-on, collaborative learning while mastering core algebraic and physical science concepts.

**Science 7:** The first half of the year students will be studying geology, meteorology, and weathering. During the second half of the year, students will be covering the topics of earth history, oceanography, and astronomy.

**Social Studies 7:** This course provides a comprehensive overview of the geography of the world.

**Literary Workshop 7:** This course will help students learn how to research effectively and engage with sources critically in order to produce creative and informed writing projects. This is a 9-week rotation course.

**Youth Court 7:** Students will learn the principles of restorative justice and apply them through the school's model of discipline, Youth Court. This is a 9-week rotation course.

**Music 7:** Students will learn the basic concepts of music instrument digital interface. They will learn to navigate through an electronic keyboard and the Power Track computer program. This is a 9-week rotation course.

**Makers 7:** This 9-week course will build upon the coding and design skills introduced in Makers 6.

**Physical Education:** Physical Education classes meet twice a week. Some of the activities students will be participating in include personal fitness, team sports, life-time activities, and recreational games.

**Yoga:** This introductory course will build physical and mental awareness, strength, and flexibility.

**Teambuilding:** Students will work on problem-solving and social skills within the context of cooperative games.

**Bridges:** Topics discussed will include a wide range of social/emotional issues common to young adolescents, and students will learn coping skills and ways to get help.

*\*Yoga, Teambuilding, and Bridges meet once per week for 12 weeks.*

**Band/Choir 7/8:** This is an elective, performance-driven course that meets 2/3 days per week.

## **GRADE 8**

**ELA 8:** This course is an integrated literature and language program aimed at helping students become skillful readers, writers, speakers, and listeners.

**Math 8:** This course will cover the fundamental concepts of numbers and operations, including solving percents; measurement; geometry, including the Pythagorean Theorem; algebraic concepts, including solving one and two-step equations and inequalities; and data analysis and probability.

**STEAM 8: STEAM** is an interdisciplinary Science, Technology, Engineering, Arts and Mathematics course designed to engage students in real world, hands-on, collaborative learning while mastering core algebraic and physical science concepts.

**Algebra II:** This course will focus on rational polynomial expressions, quadratic expressions, properties of relations and functions, graphing functions, properties and operations with matrices, conic sections.

**Science 8:** Students will be studying physical science. Physical science is the study of matter and energy and how they react.

**Social Studies 8:** The main emphasis of this class will be the history and geography of our nation, from the first Americans up to the year 1877. Also, students will be asked to participate in current events discussions.

**Health 8:** The focus of eighth grade health is healthful living. After learning about the systems of the body and how to care for them, students will have an opportunity to become CPR certified. They will also design their own fitness plan and implement it in their physical education class as they study safety and injury prevention. Students will debate issues that relate to the use of alcohol, tobacco and other drugs.

**Music 8:** Students will use more advanced techniques of digital music. Internet and music will be merged with students downloading music from appropriate websites. This is a 9-week rotation course.

**Literary Workshop 8:** This course will help students learn how to research effectively and engage with sources critically in order to produce creative and informed writing projects. This is a 9-week rotation course.

**Introduction to Spanish 8:** Students will explore the basics of foreign language and culture. This is a 9-week rotation course.

**Makers 8:** Students will apply the skills they have learned in Makers 6 and 7 to more sophisticated, self-selected projects. This is a 9-week rotation course.

**Physical Ed:** Physical Education classes meet twice a week. Some of the activities students will be participating in include personal fitness, team sports, life-time activities, and recreational games.

**Band/Choir 7/8:** This is an elective, performance-driven course that meets 2/3 days per week.

### **EXPLORATORY COURSES**

These courses may be available to students if scheduling permits:

**Digital Portfolios:** The students will create a digital portfolio to display work samples, interests and hobbies, and career possibilities. This course addresses College and Career Readiness goals.

**Virtual Reality:** This course is designed to provide students with an overview of the basic principles of virtual reality. There is a strong emphasis on the use of this technology as a tool for exploring science and social studies concepts.

**Video Production:** This course will teach students the basics of photography, camera functions, video editing, media analysis, and filmmaking. Students will work individually and in groups to write, shoot, and edit their own projects.

**Blogging:** Students will write, edit, and design layout for a digital school newspaper. They may also create an individual blog. Students will collect, edit, and caption photos for the middle school yearbook.

**Animation:** This course will introduce students to animation creation using the Stop Motion Studio Pro app. Students will deepen their understanding of animation by creating flipbook, stop motion, claymation, and pixilation animation projects.

**Creative Movement:** Students will work on developing physical skills, channeling energy, and stimulating creative expression.

