



Wayne Carle Course Description 7th Grade

CORE COURSES: FULL YEAR

Science 7

This course follows the 7th grade Jeffco curriculum, which is aligned with the state science standards. This course includes the following units of study: Force, Motion, and Energy; Earth and the Solar System; Molecules to Organisms; and Healthy Decision Making. Scientific learning will be supported through activities such as conducting scientific investigations, engaging in critical thinking, and working cooperatively with others to solve problems.

One time materials fee: \$2.50 for Science Notebook

English Language Arts 7

Students learn written communication through genre study. Students will read and analyze a variety of mentor texts to identify the traits of that particular genre. Through this intense study, students will not only demonstrate writing skills but also reading and critical thinking skills. district-wide writing rubrics are used to assess all writing assignments. Reading and literature skills are taught through the reading workshop structure with both fiction and non-fiction texts. Listening and speaking skills, as well as spelling proficiency and language conventions, are integrated in all writing and reading instruction.

Materials Fee: \$8.00 Language Arts novel

Strategic Reading

The content of this elective course depends upon students' abilities and/or diagnosed reading needs. Strategic Reading is intended to improve a student's comprehension level, fluency rate, critical thinking and analysis skills, and/or word knowledge and vocabulary. This course is paired with 7th grade Language Arts to provide a double dose of reading instruction.

Social Studies 7

Eastern Hemisphere incorporates history, geography, economics and civics concepts throughout the year. Students will examine regions of the Eastern Hemisphere to learn about four major topics: Foundations of Early Civilizations, Civic Relationships in Global Community, Interdependent Community in Eastern Hemisphere, and Resources, Trade and Profit. Each year students also partake in International Towne. International Towne makes economics interactive for each child as they examine what it looks like to be a good global citizen.

Mathematics 7

This course is aligned to the grade 6 CAS (Colorado Academic Standards in Mathematics) and follows 7th grade CAP documents. The course emphasizes proficiency in skills involving work with analyzing proportional relationships; applying and extending understanding of operations to all rational numbers; using properties of operations to generate equivalent expressions; solving real-life and mathematical problems using numerical and algebraic expressions and equations; drawing, constructing and describing geometrical figures and describing the relationship between them; solving real-life and mathematical problems involving angle measure, area, surface area and volume; using random sampling to draw inferences; and investigating chance processes and developing, using and evaluating probability models.

Materials fee: Big Ideas Workbook & Math Spiral \$5.00

Math Intervention

A variety of materials are used to help students improve numeracy and other math skills. Instruction is provided through individualized and small group lessons. A variety of student performance data plus teacher input are used to determine placement in Math Intervention, and this course is paired with Math 7 to create a double dose of Math instruction.

Math 7/8

This course is aligned to the National Standards and follows the 8th grade Jeffco “Bridge to Curriculum”. Math 8 course emphasizes proficiency in skills needed to solve multi-step equations, graphing and solving linear equations, operating using rules of exponential notation, and comparing & describing statistical data. Students will also use question solving skills when finding missing values in geometric situations (angles, triangles, Pythagorean theorem, volume, surface area).

Materials fee for Big Ideas Workbook & Math Spiral: \$5.00

Algebra 1

This course follows Jeffco’s Grade 8 Algebra 1 curriculum, and addresses the same content as the High School Algebra 1 course, and contains some additional content from 8th grade. Grade 8 Algebra 1 builds from the Math 7-8 course. This Algebra 1 course includes the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first degree equations and inequalities; and translating word problems into equations. The content of this course deepens and extends understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend. Students engage in methods for analyzing, solving, and using quadratic functions to model and solve problems. To meet 21st century learning, students will use mathematical practices to investigate and explore mathematical ideas and relationships and develop multiple strategies for analyzing complex situations.

Materials fee for Big Ideas Workbook & Math Spiral: \$5.00

Important Note: 7th graders who successfully complete Algebra 1 will enroll in Geometry in 8th grade, and Geometry is an online course we provide through the district's Virtual Academy to those 8th graders.

ELECTIVES: FULL YEAR

Spanish 101

Spanish 101: First semester of high school level Spanish I. This course provides students with a general introduction to Spanish language and culture, including sound system, pronunciation, functional vocabulary, cultural information and norms, and basic grammatical structures. Upon completion of this course, students will be able to provide basic information, understand simple statements and questions, interact with and be understood with difficulty by someone accustomed to a language learner (novice-mid proficiency). This course meets criteria for Colorado and Jeffco Seals of Biliteracy and is recommended for students with no previous study or knowledge of the language. Successful completion of Spanish 101 and 102 allow a student to earn high school credit, entering high school in Spanish 2.

This is a high school level course. NOTE: Enrollment in Spanish may be limited. If so, priority will be based on GPA.

Symphonic Band 7/8

If you have always wanted to play an instrument or if you have already started to play a traditional band instrument in elementary school, this course is for you. All students wanting to start percussion for the first time just have piano skills. We will perform at least three concerts throughout the year and meet many new friends. Other than percussion, no previous experience is necessary.

Orchestra 7/8

If you enjoy string instruments and would like to be in a close class, join the orchestra. Students in this course will learn about string performance technique through classical and contemporary literature. We will also perform at least three concerts this year and meet many new friends. No experience necessary.

ELECTIVES: SEMESTER

Visual Arts Level 2

This course offers the chance to create and explore many areas of the Visual Arts through different mediums, techniques and materials. A semester of Art 7 will provide students the opportunity to engage in both two-dimensional and three-dimensional projects such as drawing, painting, sculpture, clay and jewelry. Art projects are designed to develop an understanding of the Elements and Principles of Art.

Materials fee: \$15

Creative Art: Ceramics 7/8

Creative Art—Ceramics/Pottery courses cover the same topics as Visual Arts Level 1-3 courses, but focus on creating three-dimensional works out of clay and ceramic material. Particular attention is paid to the characteristics of the raw materials, their transformation under heat, and the various methods used to create and finish objects.

Materials fee: \$15

Advanced Art 7/8

In Advanced Art, students will explore professional mediums and unique topics through in-depth portfolio creation. Students will be required to keep an art journal and/or portfolio. This course is available to students who have taken art in 6th or 7th grade, who have demonstrated advanced skills in art, and with teacher recommendation.

Materials fee: \$15

Family & Consumer Science 7

If you are interested in becoming a better chef or improving your nutrition knowledge, this course is for you. FACS 7 provides instruction in managing individual, family, career, and community roles and responsibilities. Students gain life skills and hands-on learning environment as they explore and practice various food preparation methods and techniques, healthy nutritional practices, kitchen and food safety, money management, basic sewing skills, and introductory textiles/fashion design. By the end of the semester students will gain practical life skills that they will use for many years to come!

One time materials fee: \$15 for lab consumables.

Physical Education 7 (Semester or Full-Year)

It is our goal in this class to teach students how important lifelong fitness is to their future health. By learning skills necessary to perform a variety of activities, students will participate regularly in physical activity and know the benefits of being physically active. Students will have exposure to a variety of activities, games and sports as part of this class. Students are required to wear a WCMS PE shirt and WCMS black shorts.

One time materials fee: Wayne Carle t-shirt and shorts \$11.50.

Team Sports 6/7

Team sports courses provide students with the knowledge, experience, and opportunity to develop skills in more than one team sport (such as volleyball, basketball, soccer, and so on).

Uniform fee: PE Shirt \$5.50

Fitness and Conditioning 6/7

Fitness/Conditioning courses emphasize conditioning activities that help develop muscular strength, flexibility, and cardiovascular fitness.

Uniform fee: PE Shirt \$5.50

Weight Training 7/8

Weight Training courses help students develop knowledge and skills with free weights and universal stations while emphasizing safety and proper body positioning; they may include other components such as anatomy and conditioning.

Uniform fee: PE Shirt \$5.50

Science Elective

Calling all science enthusiasts, join us for a semester of exploring science! Throughout this semester-long course, we will explore many areas of science including the following: the scientific method, legendary scientists, bugs, marine biology, and forensic science. Each topic will be covered and explored for about 3 weeks and will contain labs and hands-on activities.

Technology Education 7

Using the current curriculum, which is based on pre-engineering studies, students will design projects through computer-aided drafting and build those projects in the adjoining production shop. This is an excellent opportunity for all students interested in learning new technology skills and applying those skills by creating a project from an original design. This course allows students the opportunity for hands-on learning. Projects range from Air compressor

dragsters to robotics, and will include a challenging and in-depth study in engineering projects. Emphasis will be placed on safety and proper use of tools.

Materials fee: \$20

Robotics 7/8

Robotics courses develop and expand students' skills and knowledge so that they can design and develop robotic devices. Topics covered in the course may include mechanics, electrical and motor controls, pneumatics, computer basics, and programmable logic controllers.

Creative Writing 7/8

Creative Writing courses offer students the opportunity to develop and improve their technique and individual style in poetry, short story, drama, essays, and other forms of prose. The emphasis of the courses is on writing; however, students may study exemplary representations and authors to obtain a fuller appreciation of the form and craft.

Book Club

Book club is an elective class created for students who love to read (and some students who "want" to love to read). This course is designed to capture the attention of young readers and engage them with young adult literature. Students receive effective strategy instruction, write in response to literature, and learn to take part in meaningful peer discussions. While this class is designed for the pure joy of reading, it will also provide students opportunities to interact with complexity to texts.

Theater Arts/Drama (semester 2)

Do you enjoy performing on stage? Are you a class clown? This class teaches skills such as basic acting and improv at the beginning of the term. By the end of the semester students will gain self-confidence and pride in themselves.

Musical Theater 6/7 (semester 1)

If singing and acting is your passion, this is the class for you! We will be putting together a full length musical this semester with costumes, sets and all! Join us for the fun!

Choir (semester or full year)

Choir courses provide the opportunity to sing a variety of choral literature styles for mixed voices and are designed to develop vocal techniques and the ability to sing parts. If you like to sing and want to learn how to read music, this is the course for you. You will have at least two concerts as well as other performance opportunities. Through singing, you will learn proper breathing, posture and vocal production.

Outdoor Adventure

In Outdoor Adventure Class students will learn the basic skills necessary for survival in a variety of situations, this includes knot tying, shelter building, orienteering, tracking, constructing and building a heat source, first aid, gathering water and food, fly tying, fishing and in general becoming a leader and explorer in our Colorado outdoors.

Materials fee: \$10

GT Enrichment (Grades 6/7)

This class is designed for students with Advanced Learning Plans who are self-directed, self-motivated learners. Students choose projects, which may take many forms, and complete them under the supervision of a teacher. Projects involve planning, research, and a high degree of personal reflection. This class provides opportunities for independent, high achieving learners to explore areas of interest. This is a participatory class, for the highly motivated learner, where students will be engaged in higher level thinking and autonomous learning. The research process, project design and development, and presentation techniques go beyond the scope of conventional learning. Students will be selected based on an application process ([click here](#)) and teacher recommendation.

Note: Depending on student numbers and staffing, all elective course offerings and fees are subject to change.