

# Wellington Middle School



## Mission

We exist to ignite curiosity, to nurture resiliency,  
and to empower lifelong learning

## Core Values

**Community** ~ Prioritize relationships and collectively own outcomes

**Innovation** ~ Challenges drive change

**Equity** ~ Everyone has what they need to be successful

**Opportunity** ~ The choice to pursue and engage in our passions

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## Core Offerings

### English

#### **Eng/LangArts 6**

#### **LA610 | Grades: 6**

The sixth-grade language arts course is devoted to developing communication and thinking skills through the integrated study of reading speaking and writing strategies as well as further refining active listening and critical viewing practices. In addition to adapting usage conventions form and/or genre to a variety of audiences and purposes students continue their practice with the writing process as they gain experience mastering single and multi-

paragraph texts in all four major modes -- narrative descriptive persuasive and expository. Students actively apply these aforementioned techniques in order to summarize, compare, contrast activate and synthesize literary and informational texts across content areas.

### **Eng/LangArts 7**

#### **LA710 | Grades: 7**

The seventh-grade English program is designed to help students express themselves more easily and effectively through writing and speaking. The course includes study of the fundamentals of grammar correct usage literature (short stories and the novel) and the process of writing (narration description and exposition). Students focus on writing a unified coherent paragraph which logically supports a topic sentence by using specific details. Students also have opportunities to write creatively.

### **Eng/LangArts 7 Ext**

#### **LA711 | Grades: 7**

English 7 Ext (Extended) is a companion course to English 7 to accommodate double period scheduling.

### **Eng/LangArts 8**

#### **LA810 | Grades: 8**

The eighth-grade English course is devoted to developing communication and thinking skills through the integrated study of language literature and writing. Language study emphasizes sentence patterns punctuation spelling vocabulary and usage. The study of the writing process includes further development of skills and working with multi-paragraph writings in narrative descriptive and expository writing. The study of literature includes the genre or thematic approach stressing an understanding of literary terminology and author's purpose.

### **Eng/LangArts 8 Ext**

#### **LA811 | Grades: 8**

English 8 Ext (extended) is a companion course to English 8 to accommodate double period scheduling.

## **Mathematics**

*All math placements for students will be based data collected from MAPS scores, CMAS scores, current math placement grades as well as teacher recommendations.*

### **Math 6**

#### **MA640 | Grades: 6**

Students will expand upon their knowledge of whole numbers and decimals formed in previous grades to include operations of multi-digit decimals and rational numbers. During

the year, students will use their knowledge of rational numbers to write and solve equations and inequalities, analyze geometric shapes, and organize and evaluate data displays. Students will explore the concepts of area, surface area, and volume.

### **Math 6 Ext**

#### **MA641 | Grades: 6**

Math 6 Ext (Extended) is a companion course to Math 6 to accommodate double period scheduling.

### **Math 6 Accel**

#### **MA643 | Grades: 6**

Students will expand upon their knowledge of whole numbers and decimals formed in previous grades to include operations of multi-digit decimals and rational numbers. During the year, students will use their knowledge of rational numbers to write and solve equations and inequalities, analyze geometric shapes, and organize and evaluate data displays. Students will explore the concepts of area, surface area, and volume. This course reflects accelerated content. (65<sup>th</sup> percentile on Spring MAP, teacher recommendation)

### **Math 7**

#### **MA740 | Grades: 7**

In this course, students will understand and be able to apply rational numbers. Students will explore ratios and proportions to develop an understanding of linear functions and be able to solve single-variable equations. They will compare data distributions and be able to compare differences between populations. Finally, students will analyze geometric figures, calculating area, surface area, and volume. Content is organized into four critical areas, or units. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

### **Math 7/8 Ext**

#### **MA746 | Grades: 6,7**

Math 7 Ext (Extended) is a companion course to Math 7 to accommodate double period scheduling.

### **Math 7/8**

#### **MA745 | Grades: 6,7**

This course differs from the 7th Grade course in that it contains content from 8th grade. While coherence is retained, in that it logically builds from the 6th Grade, the additional content when compared to the 7<sup>th</sup> Grade course demands a faster pace for instruction and learning. Content is organized into four critical areas, or units. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

## **Math 8**

### **MA840 | Grades: 8**

In 8th grade, students will build upon their knowledge and understanding of generating equivalent expressions, ratios and proportions, exponents, and volume of prisms gained in 6th and 7<sup>th</sup> grade. In this course, students will apply their knowledge of expressions both algebraically and geometrically. Students will explore congruence and similarity of figures in the coordinate plane and write algebraic expressions to describe the transformations. Students will use their knowledge of generating equivalent expressions to solve single-variable linear equations. They will analyze the solution set to include one solution, no solutions, and infinitely many solutions. Students will build upon their understanding of proportional relationships to create linear functions in a graph, table of values, equation, and story problem. They will then examine the similarities and differences between linear and non-linear models, exploring the commonalities and differences among rational and irrational numbers. Students will approximate the location of simple square and cube root values on a number line. Students will expand upon their understanding of volume of prisms to know and apply the formulas for volume of cylinders, cones, and spheres. Students will apply their knowledge of linear relationships to analyze and make conjectures about two-way data displays, tying together the components of this course. The 8th grade standards have been divided into six critical areas, or units, as follows.

## **Algebra 1**

### **6230 | Grades:7,8 | High-school Credit**

This course's fundamental purpose is to formalize and extend the mathematics students learned in the middle grade. Because it is built on the middle grades standards, this is a more ambitious version of Algebra I than has generally been offered. The critical areas, called units, deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

## **Geometry**

### **6240 | Grades: 7,8 | High School Credit**

The fundamental purpose of the course in Geometry is to formalize and extend students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Important differences exist between this Geometry course and the historical approach taken in Geometry classes. For example, transformations are emphasized early in this course. Close attention should be paid to the introductory content for the Geometry conceptual category found in the high school CCSS.

The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. The critical areas, organized into six units are as follows: Congruence, Proof, and Constructions; Similarity, Proof and Trigonometry; Connecting Algebra and Geometry through Coordinates; Circles with and Without Coordinates; Extending to Three Dimensions; Applications or Probability.

## **Science**

### **Science 6**

#### **SC620 | Grades: 6**

This course is designed for all students and is the first of three courses that meets the Colorado State and Poudre School District Content Standards for Science grades 6 - 8. The major topics covered in the 6<sup>th</sup> grade are: Forms and Transfer of Energy - Renewable vs. Non-renewable Energy; Properties of Matter - Phases and Changes; Living Systems - The Human Body and Diseases; Earth Systems - The Solar System and the Universe.

### **Science 7**

#### **SC720 | Grades: 7**

This course is designed for all students and is the second of three courses that meets the Colorado State and Poudre School District Content Standards for Science grades 6 - 8. The major topics covered in the 7<sup>th</sup> grade are: Forms and Transfer of Energy - Waves ~ Light and Sound Energy; Properties of Matter - Atomic and Molecular Structure; Living Systems - Classification The Cell and Genetics; Earth Systems - Atmosphere Weather and Water.

### **Science 8**

#### **SC820 | Grades: 8**

This course is designed for all students and is the third of three courses that meets the Colorado State and Poudre School District Content Standards for Science grades 6 - 8. The major topics covered in the 8<sup>th</sup> grade are: Forms and Transfer of Energy: Physics; Properties of Matter: Chemistry; Living Systems: Ecology and Earth Systems - Earth's Composition Processes and History.

## **Social Studies**

### **Social Studies 6**

#### **SS630 | Grades: 6**

Sixth Grade Geography is a study of the patterns and interactions of countries in the Western Hemisphere. Students will determine information about people places and

environment through the use and construction of geography tools. From an understanding of the physical and human characteristics of places students will study the effects of the interaction between human and physical systems. With an emphasis on resource distribution and use students will determine how economic political cultural and social processes interact to shape patterns of human populations interdependence cooperation and conflict. The 21st century skills of critical thinking problem solving communication collaboration and cross-cultural understanding will be emphasized throughout the course.

### **Social Studies 7**

#### **SS730 | Grades: 7**

This course will teach students how to organize and to analyze information about several world cultures. The course content emphasizes both physical geography skills and a knowledge of the cultural components of each area studied. Specific cultures from the Middle East Asia Europe Africa and South America will be investigated.

### **Social Studies 8**

#### **SS830 | Grades:8**

This course is an overview of United States History with a strong emphasis on civics economics and civil rights. The 4 major focus areas include Exploration and settlement Development of Constitutional America The Expanding Nation - economic growth and development of the U.S. and U.S. come of Age in the 20th Century.

## **Elective Offerings**

### **World Languages**

#### **World Language Explorations**

##### **4510MS | Grades:6**

World Language Explorations is an elective class designed to introduce students to the alphabet numbers, pronunciation basics, phrases, greetings, and culture of the individual language.

### **Spanish**

#### **Spanish Level 1A**

##### **4728MS | Grades: 7**

This course, the first half of level 1, meets the Colorado Academic Standards for novice-low communication proficiency. Students communicate in spontaneous spoken and written conversations, identify the general topic and some basic information in texts, using

practiced or memorized words and phrases, on both very familiar and everyday topics. Language acquisition activities promote learning in context by being immersed in comprehensible language, emphasizing communication over form.

### **Spanish Level 1B**

**4728 | Grades: 8 | High- School Credit upon completion of Level 1A and 1B**

This, the second half of level 1, course meets the Colorado Academic Standards for novice-mid communication proficiency. Students communicate in spontaneous spoken and written conversations, identify the general topic and some basic information in texts, using practiced or memorized words, phrases, and simple sentences, on both familiar and everyday topics. Language acquisition activities promote learning in context by being immersed in comprehensible language, emphasizing communication over form.

### **French**

#### **French Level 1**

**4710 | Grades: 7,8**

This course meets the Colorado Academic Standards for novice-mid communication proficiency. Students communicate in spontaneous spoken and written conversations, identify the general topic and some basic information in texts, using practiced or memorized words, phrases, and simple sentences, on both familiar and everyday topics. Language acquisition activities promote learning in context by being immersed in comprehensible language, emphasizing communication over form.

#### **French Level 2**

**4750 | Grades: 8**

This course meets the Colorado Academic Standards for novice-high communication proficiency. Students communicate in spontaneous spoken and written conversations, identify the general topic and some basic information in texts, using a variety of simple sentences, on both very familiar and everyday topics. Language acquisition activities promote learning in context by being immersed in comprehensible language, emphasizing communication over form.

### **Physical Education**

#### **Physical Education 6**

**3500 | Grades: 6**

This is an activity course designed around developing physical fitness and wellness desirable social traits, knowledge of a variety of activities and developing motor skill. Depending upon which semester (fall/spring) a student is scheduled the variety of core activities includes soccer volleyball flag football basketball softball tumbling racquet



skills aerobics fitness testing track and field and rhythms. This does not preclude that a school site would teach as deemed appropriate supplementary activities that fit the weather conditions class make-Up and facilities.

### **Physical Education 7**

#### **3505 | Grades:7 | (Required)**

This is an activity course designed around developing physical fitness and wellness desirable social traits, knowledge of a variety of activities and developing motor skill. Depending upon which semester (fall/spring) a student is scheduled the variety of core activities includes soccer volleyball flag football basketball softball tumbling racquet skills aerobics fitness testing track and field and rhythms. This does not preclude that a school site would teach as deemed appropriate supplementary activities that fit the weather conditions class make-up and facilities.

### **Physical 8**

#### **3525 | Grades: 8**

This course offered in both 1st and 2nd semester changes according to appropriateness of activities in fall (1st semester) and spring (2<sup>nd</sup> semester). Physical activities are similar to seventh grades but motor skills are further refined and new lead-Up activities offered as it fits the eighth-Grade student. Scoliosis screening occurs during the year accomplished by PSD nursing and physical education staff.

### **Beginning Weight Training**

#### **3010MS | Grades: 8**

This course is designed to improve muscular strength and endurance. It is designed to be a basic weight training course not a body building course. The students will be introduced to a variety of weight training techniques methods and principles. Students will learn the terminology anatomy and physiology necessary to understand the basic principles behind weight training. Emphasis will be on proper lifting technique, spotting technique and safety throughout the course. Students will learn to use the available machines as well as free weights.

## **Music**

### **Music Explorations**

#### **2511 | Grades: 6**

Offers exploration of different musical styles and development of skills that are basic to musical understanding and appreciation and instruction in vocal techniques. Music exploration performance is limited to class. Choir class develops performance skills while enhancing musical understanding and appreciation.

### **Guitar**

#### **2560MS | Grades: 7, 8**

This course is designed to train students in techniques which include fundamental theory in reading and playing notes, rhythms, chords, scales, and accompaniment styles. This is a beginning course and students should furnish their own guitars.

## **Band**

### **Beginning Band**

#### **2570MS | Grades: 6**

The beginning band is designed for teaching basic skills to beginning wind brass and percussion players. Tone technical facility music terminology and music reading are stressed. Literature appropriate to beginner skill level is presented. Enrollment is based upon completion of the summer band program or by approval of the instructor. If a student is not able to attend the summer band program and wishes to play in the beginning band he/she should contact the instructor at the middle school they will attend. Performance opportunities begin.

### **Concert Band**

#### **2590MS | Grades: 7**

Enrollment in this class is by instructor approval or upon successful completion of beginning band. Intermediate band emphasizes fundamentals such as scales chords and tone production. A large quantity of band literature of varying styles and difficulty is studied. Performances are required. Intermediate Level.

### **Symphonic Band**

#### **2610MS | Grades: 8**

Enrollment is by instructor approval or upon successful completion of intermediate band. The class involves a continuation of music fundamentals taught at the beginning and intermediate levels. Principal players of most sections may be asked to participate in symphony orchestra twice a week. Advanced playing techniques are developed through rehearsal and performances. Participation in Advanced Band is a prerequisite for high school band. Performances are required.

## **Orchestra**

### **Beginning Orchestra**

#### **2580MS | Grades: 6**

This course is designed for the beginning string student. Basic techniques of bowing fingering and correct manipulation of the instrument are studied. Literature appropriate to beginner's skill level is presented. Enrollment is based upon completion of the summer instrumental program or by approval of the instructor. If a student is not able to attend the summer instrumental program and wishes to play in the beginning orchestra he/she should contact the instructor at the middle school they will attend. Performance opportunities begin.

**Concert Orchestra****2600MS | Grades: 7**

This is the second semester of Concert Orchestra JHS. This is a class designed for 7th graders but does provide a stronger musical experience for the advanced 6th grade student. It also provides an opportunity for the eighth grader to develop who may not have the necessary skills for the symphony orchestra. Students in this group will have the opportunity to advance at semester. Literature studies is of intermediate difficulty. Performances are required. Students must have instructor approval. Intermediate Orchestra.

**Symphonic Orchestra****2620MS | Grades: 8**

This course is designed for intermediate as well as advanced string players. Advanced techniques of bowing fingering and tone production are pursued through the study of music ranging from Early Baroque through contemporary and popular styles. The group performs both as a string ensemble and as a symphony orchestra by combining woodwinds brass and percussion from the Advanced Band. Performances are required.

**Choir****Choir 6****2649 | Grades: 6**

Choir 6 is a non-auditioned ensemble open to all 6th grade students. The choir performs music from all genres and time periods while learning the basics of singing posture music theory and sight singing. Beginning choir is the entry pathway designed to give students with an interest in singing an opportunity to explore the changing voice at the middle level. This class will provide a strong choral foundation that will enable students to confidently transition to Select Choir at the seventh grade and eighth grade level.

**Concert Choir****2540MS | Grades: 7,8**

Membership is by permission of the instructor. This is a non-select mixed choir. Choral literature of appropriate difficulty is performed in preparation for advanced musical study in select groups. This is a performing group and attendance at school concerts is required.

**Theatre****Introduction to Drama****5072MS | Grades: 6**

This class provides an introductory experience to creative dramatics.

**Drama****5070MS | Grades: 7,8**

This one-semester course is designed to introduce and/or improve basic acting skills. Techniques to develop and practice creative imagination and self-discipline will be employed through such classroom activities as character creation and interpretation, Improvisation, pantomime, and oral interpretation. Students have the opportunity to perform for others.

## **Visual Arts**

### **Art 6**

#### **1012V | Grades: 6**

Journey through time and place while examining some of the greatest masterpieces created. In this course students will explore world regions and study the unique artifacts and works of architecture that define ancient civilizations. From Mesopotamia the world's first civilization to the Roman streets of Pompeii participants will learn the fundamental concepts of art how to look at and evaluate art and the intended function of natural history museums. This course is built on hands-on-activities discussions written assignments and objective assessments.

### **Art 7**

#### **1020V | Grades: 7**

Explore world regions and study the unique art and architecture that defines the Medieval and Renaissance periods. From Leonardo da Vinci to the Taj Mahal participants will learn the fundamental concepts of art how to look at and evaluate art and the intended function of art museums through hands- on activities discussions written assignments and objective assessments

### **Art 8**

#### **1030V | Grades: 8**

This class serves to further develop the skills established in Art 7.

### **Creative Writing**

#### **5062MS | Grades: 7,8**

Creative Writing is a semester elective designed to help students improve their ability to express themselves through imaginative use of the language. Students focus on improving their sense of observation in narrative and descriptive writing by creating their original short stories and poems and by examining the works of professional writers. Prior mastery of basic English skills is necessary.

### **Crafts**

#### **1050MS | Grades 7,8**

This course offers the student opportunities to design and create functional hand-crafted products which may include clay, wood, leather, plastics, beading, fibers, metal and printmaking. The history and culture of crafts is studied.

**Digital Design****1220MS | Grades: 7,8**

This course offers further development of the elements of art and the principles of design. A wide variety of art activities are designed to increase the student's knowledge of art media techniques, terminology, and appreciation of aesthetics and art styles. Critical thinking skills are emphasized as students do drawings, paintings, sculpture, printmaking, ceramics, fiber, projects and computer graphics.

**Digital Photography****1300MS | Grades: 8**

In the digital photography and graphic design lessons students begin by learning general photographic concepts. Composition skills are added to photographs and image-editing techniques are practiced. Students learn how to use layers crop images implement color and lighting concepts such as hue saturation exposures and special effects. Graphic design artistic elements and software skills are taught while producing graphic images. The concept of design as a manner of visual communication is carried throughout. Students build a portfolio of work and explore the fields of photography graphic arts advertising and illustration.

**Pottery and Sculpture****1045MS | Grades: 8**

Pottery and Sculpture is a one-semester class directed toward introducing students to three-dimensional methods of creating art. The class begins by studying the element and principles of design and how they are applied to 3-D works of art.

**Construction/Woods Offerings****Design and Technology Explorations****2000 | Grades: 6**

Design and Technology Explorations is an exciting and fast paced hands-on/minds-on class. Students will explore areas of technology and engineering. During each unit, Science Technology Engineering and Math (STEM) concepts will be integrated to provide the student with 21st century skills and help build technological literacy. This class will provide the foundation for additional Technology Education curriculum. Student projects will align with The Design Cycle (Investigate, Plan, Create, Evaluate) for both student design and evaluation. Safe and proper use of equipment will be integrated in the course.

**Innovations in Design and Technology****2001 | Grades:7**

Innovations in Design and Technology introduces the development of technology and how it is changing our world. Student projects will align with The Design Cycle (Investigate, Plan,

Create, Evaluate) for both student design and evaluation. Safe and proper use of equipment will be integrated in the course.

### **Innovations in Design and Technology 2**

#### **2002 | Grades:8**

In Innovations in Design and Technology II students utilize technology and apply it to solve problems in our changing world. Student projects will align with The Design Cycle (Investigate, Plan, Create, Evaluate) for both student design and evaluation. Safe and proper use of equipment will be integrated in the course.

### **Robotics Engineering 1**

#### **2003 | Grades: 8**

Robotics Engineering 1 is a semester long class designed to introduce the basics of robotics as it teaches science technology engineering and mathematics (STEM). Students will learn how to use information from sensors, applied mathematics and measurement to program their robot to perform in a series of environments. They will have the opportunity to complete multiple investigations involving guided research, problem solving, working in teams and documenting what they've learned as they investigate how robots make decisions to navigate their environment. As students become familiar with the programming and the NXT hardware, they may progress at their own pace allowing for differentiation in student abilities and learning styles. Interactive, hands-on learning is the structure of this class. This course is a pre-cursor to the high school robotics program and a part of the K-12 robotics articulation.

## **Agriculture**

### **Ag Explorations**

#### **4112 | Grades: 8**

In the Agricultural Exploration course, students will explore agricultural science basics and concepts. Students will also explore careers and learn about the high school pathways.

## **Family and Consumer Sciences**

### **Family and Consumer Science Explorations**

#### **4020 | Grades: 6,7,8**

In this hands-on course, students will learn about relationships, babysitting/care giving, sewing/clothing, and foods and nutrition. This course includes activities that will help students in everyday living and improve their practical application of math and reading skills.

### **Intro to Interior Design**

**4026 | Grades: 7**

This course will help the beginning interior designer learn to use space properly, make space one's own, design/discover inexpensive room enhancers, design/discover comfortable room set ups and create/assemble/construct simple home decorations and/or improvement projects.

**Intro to Culinary Arts****4022 | Grades: 8**

This hands-on course will develop skills in nutrition and wellness as well as food preparation. Areas of study will include: food safety and sanitation, kitchen safety, food production, nutrition and wellness, meal planning and practical application with food labs. This course will also include career exploration in the food and hospitality industry.

**Leadership Courses****Yearbook****5130MS | Grades: 7,8**

A semester course Yearbook covers all phases of yearbook production. Students learn to design layouts, write copy organize materials select photographs and function as a cooperative member of a publications staff.

**Student Council****8104MS | Grades: 7,8**

In Student Council students will learn and practice all areas of leadership. They will become skilled in the art of leadership and work as a team to create positive change and exciting activities for school. It is expected that students will fulfill a course requirement of numerous extra hours outside of the normal school day working on Council activities.

**Science Olympiad****6735 | Grades: 8**

This is a science elective class. The course is modeled after the nationally recognized Science Olympiad competition. This course will allow students to explore all areas of science. Sample topics may include: astronomy, crime solving trajectory, egg drop and orienteering.

**Leadership (WEB)****7027MS | Grades: 8**

Leadership is an elective course in the Social Studies which is designed to provide students with an opportunity to develop communication skills and participate in community service projects.

