



**West Carrollton Intermediate School**  
4100 S. Dixie Drive • Dayton, OH 45439  
937-859-5121 ext. 3300

**5/6**

**Principal**

Dr. Monica Woods

**Assistant Principal**

Sheila Calko

**Counselor**

Sharon Petrick

**The West Carrollton Course of Studies for grades 5 and 6 is designed to help plan your upcoming academic year.** Course selections can have a strong impact on students' future success in their chosen career paths and/or higher education.

The counselors, administration and school faculty are available to answer questions and assist in decisions regarding student schedules. A solid foundation in mathematics, science, reading, English, language arts, and social studies is available for every student's academic growth.

The grading policy is designed to accurately reflect a student's academic achievement and improve consistency in grading practices. Eighty percent (80%) of a student's grade will be based on what the student knows and can demonstrate. Assignments given while a student is learning new material (such as pre-writing assignments, homework, in-class practice, etc.) will comprise twenty percent (20%) of a student's grade.

The following pages provide descriptions of the courses. Please contact your guidance counselor with any questions. Every counselor is here to make sure your student is academically successful and is developing a plan that will offer multiple college and career opportunities in the future. As always, parent involvement in this process is encouraged and supported by our teachers, counselors, and administrators.

# Grade 5 YEAR-LONG Course Offerings

## Language Arts 5

### **THIS IS A BLOCKED COURSE - 2 PERIODS**

In this course, fifth graders will deepen their understanding of concepts about text and comprehension strategies. They will have many opportunities to apply what they have learned through integration of language arts with other subjects. Students will use writing as a tool for learning, and they will write for a variety of purposes and audiences. They will write in a variety of genres. They will apply what they have learned about author's craft to their own pieces. Fifth graders will increase their vocabulary by being involved in classroom discussion and word study. They will participate in oral discourse about a variety of topics, concepts, and texts.

## Math 5

This course is aligned with the Common Core Standards for 5th grade mathematics and focuses on three critical areas. First, the students will become skilled at the addition and subtraction of fractions. They will continue to develop understanding of the multiplication of fractions and learn to do some simple division of fractions. Second, the students will expand their knowledge of division to include 2-digit divisors and decimal operations. The students will have mastered multi-digit addition, subtraction, multiplication, and division. The students will learn how to add and subtract numbers with decimals to the hundredths. They also develop an understanding of the relationship between fractions and decimals. Third, the students will develop an understanding of volume as a property of three-dimensional space. They will learn how to approach and solve problems regarding the estimation and measurement of volume.

## Science 5

In this course, students will study the three basic areas of science: Life Science, Earth Science, and Physical Science. Students will also learn the process in which scientists and engineers work to discover and invent, as well as pass on knowledge to others. Students will learn to gather information, form hypotheses, conduct experiments, gather data, and share results. Science is the study of the world around us and this program will aid students in broadening their sights of the world we experience every day.

## Social Studies 5

In this course, students will dive into the past starting with the very first civilizations, and study the major civilizations of the ancient era. Studying the history of humanity will not only allow students to glimpse at what mistakes and successes those cultures endured, but will also allow them to think and process our culture's current problems and solutions they may come up with. Students will experience simulations to see how cultures of the past survived, and compare and contrast their present day living



# Grade 5 **SEMESTER** Course Offerings

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## **Art 5**

### **SEMESTER**

This Visual Arts course meets the state standards of Creating, Performing, Responding, and Connecting. Students will explore the creative process through studio projects (drawing, painting, sculpture, crafts, and art history). The elements and principles of art will be emphasized as they apply to each artist's style.

## **Health and Physical Education 5**

### **SEMESTER**

#### **HEALTH —**

This course encourages students to live a healthy lifestyle. Health topics consist of the following: *Tobacco Education, Communication, Peer Pressure, Hygiene, Medicine Label Reading and Nutrition.*

#### **PHYSICAL EDUCATION —**

This course provides students an opportunity to be physically active through a variety of sport specific and fitness related activities. Students will practice and demonstrate specific sport skills and concepts through practice and game play. Activities in class will include, but are not limited to, basketball, floor hockey, bowling, ultimate football, and cooperative activities. Students will be assessed on the five standards adopted by the Ohio Department of Education.

## **Music 5**

### **SEMESTER**

Students will understand and apply the elements and principles of music across the core curriculum and in their daily lives. Students will build upon prior knowledge with an emphasis placed on singing, playing, moving, listening, and creative activities that build confidence and pride in their musical abilities.

## **Technology and Stem 5**

### **SEMESTER**

Robotics will include a MyBot system that teaches coding and robot construction. Digital Citizenship will teach students to think critically, behave safely and participate responsibly in the digital world. Students will also learn how to use digital tools such as word processing, spreadsheets, slide presentations, and electronic reference materials.



# Grade 6 **YEAR-LONG** Course Offerings

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## **Language Arts 6** – YEAR LONG

This integrated course covers the full range of 6th grade reading, English, grammar and vocabulary skills. The focus includes critical and creative thinking, the application of writing processes, reading strategies, and oral and visual communication skills, utilizing technology and various modes of multimedia. Specific writing processes include narrative, informational/research, and argumentative pieces. The reading selections include non-fiction and fictional short stories, novels, plays, poems, and essays. Students will build on previous language arts knowledge to deepen their understanding of reading skills, oral and written expression.

## **Math 6** – YEAR LONG

This course covers basic arithmetic skills in whole numbers, decimals, and fractions with emphasis on problem solving situations. Students will be given instruction as to the meaning and use of percentages, ratios, proportions, and measurements, with a brief introduction into operations with integers.

## **Science 6** – YEAR LONG

Sixth grade integrated science covers the characteristics of living things and plant and animal cell structure. Students will also explore the structure and function of human cells, tissues, organs, and organ systems, as well as the structure and function of organisms. Also, students will be introduced to the fundamentals of matter, energy, and speed. Finally, the students will examine the properties of rocks, minerals, and soils.

## **Social Studies 6** – YEAR LONG

In the sixth grade, emphasis is placed on the five themes of geography. This foundation will lead to mastering other learning targets in history, economics and government while studying early civilizations in the Eastern Hemisphere. Units of study will include Mesopotamia, China, Egypt, and India.

# Grade 6 **SEMESTER** Course Offerings

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## **PLTW - App Creators** – SEMESTER

### **PROJECT LEAD THE WAY**

This unit will expose students to computer science as a means of computationally analyzing and developing solutions to authentic problems through mobile app development, and will convey the positive impact of the application of computer science to other disciplines and to society.

## **PLTW - Computer Science for Innovators and Makers** – SEMESTER

### **PROJECT LEAD THE WAY**

Throughout the unit, students will learn about programming for the physical world by blending hardware design and software development, allowing students to discover computer science concepts and skills by creating personally relevant, tangible, and shareable projects.

# Grade 6

## YEAR-LONG Electives

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### **Band 6 – YEAR LONG**

In 6th grade band, all students are beginners on the band instrument of their choice. Students may choose from flute, clarinet, alto saxophone, trumpet/cornet, or trombone. **6th grade band performs two concerts; one in February and the other in May.**

At the end of the 6th grade academic year, students may audition for the percussion section (with parent permission). Students will be selected based on their audition and their participation grade throughout the year. These selected students are responsible for obtaining their own percussion kit (bell kit with pad OR bell kit with snare drum), prior to their 7th grade year.

### **6th Grade Chorus – YEAR LONG**

6th Grade Chorus is open to any student with a beginning interest in singing. Chorus class emphasizes the development of a healthy singing voice and music reading skills. Students will be exposed to, and learn, a variety of skills from music of different time periods, cultures, languages, genres and styles. **There are four required evening performances throughout the year (September/October, December, March and May.)** There is a required performance uniform.

### **Orchestra 6 – YEAR LONG**

6th grade orchestra is a beginner level class for string instruments. Students may choose to play violin, viola, cello, or double bass. **Members of the 6th grade orchestra will perform in two to three evening concerts during the school year, which are required for all members.**

# Grade 6

## SEMESTER Electives

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### **Physical Education 6 – SEMESTER**

The purpose of this course is to provide students with the knowledge, skills, and values they need to become healthy and physically active for a lifetime. This course addresses both the health and skill-related components of physical fitness which are critical for students' success.

### **Sports Fundamentals 6 – SEMESTER**

Students will learn the fundamentals of a wide range of sports. Instruction will include flag football, soccer, basketball, volleyball, tennis, golf and softball.