



MIDDLE SCHOOL

# COURSE CATALOG

— 2019-2020 —



**ROGERS**  
Public Schools

where all belong, all learn, and all succeed

Cover art by Jason Ivestor

ENGLISH LANGUAGE ARTS						
6 <sup>th</sup> Grade	7 <sup>th</sup> Grade	8 <sup>th</sup> Grade	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
Accelerated Pathways						
6 <sup>th</sup> English 6 <sup>th</sup> Reading	7 <sup>th</sup> Pre AP English 7 <sup>th</sup> Reading	8 <sup>th</sup> Pre AP English	Pre AP English I	Pre AP English II	AP English Language & Composition	AP Literature & Composition College Composition I & II
SMART CORE						
6 <sup>th</sup> English 6 <sup>th</sup> Reading	7 <sup>th</sup> English 7 <sup>th</sup> Reading	8 <sup>th</sup> English	English I	English II	English III	English IV
CORE						
6 <sup>th</sup> English 6 <sup>th</sup> Reading	7 <sup>th</sup> English 7 <sup>th</sup> Reading	8 <sup>th</sup> English	English I	English II	English III	English IV

Shaded = graduation credits

## 6<sup>th</sup> Grade

### **#366110 6<sup>th</sup> Grade English** (required)

This course will focus on the five strands of the Common Core English/Language Arts Standards, including reading both literature and informational text, writing, speaking and listening, and language skills. Students will be introduced to a wide variety of text that aligns with new Lexile Levels of reading and an increase in text complexity.

### **#970906 6<sup>th</sup> Grade Reading** — (required)

Students will learn to apply a wide range of reading strategies to comprehend and interpret texts. They will then use a variety of methods to evaluate, discuss, and appreciate what they have read.

**OR**

### **#97090R Reading G/T** — 6<sup>th</sup> /7<sup>th</sup> Grade

**(Pre-requisite:** Rogers G/T identification)

In this course, REACH students meet reading standards, as well as have the opportunity to pursue their talents and interests through various research projects, activities, and competitions.

### **#358910 Literacy Plus**

Students may be placed in this course based on their performance on state and/or local assessments.

## 7<sup>th</sup> Grade

### **#377110 7<sup>th</sup> Grade English** — (required)

This course will continue to focus on the five strands of the Common Core English/Language Arts Standards, including reading both literature and informational text, writing, speaking and listening, and language skills. Students will be introduced to a wide variety of text that aligns with new Lexile Levels of reading and an increase in text complexity.

**OR**

**37711P 7<sup>th</sup> Grade Pre-AP English**

**(Pre-requisite:** Commitment by student to participate in learning the skills and strategies required to be successful in advanced placement courses.)

Students will continue to gain in-depth knowledge and skills that align to the five strands of the Common Core English/Language Arts Standards, including reading both literature and informational text, writing, speaking and listening, and language skills. Students will be introduced to a wide variety of text that aligns with new Lexile Levels of reading and an increase in text complexity. There will also be an emphasis on independent learning and a greater depth of literary analysis.

**#970907 7<sup>th</sup> Grade Reading** — (required)

Students will learn and use reading strategies to infer, make connections, and ask questions while they read. Through a variety of methods, they will learn to evaluate and summarize what they have read.

**OR**

**#97090R Reading G/T** — 6<sup>th</sup> /7<sup>th</sup> Grade

**(Pre-requisite:** Rogers G/T identification)

In this course, REACH students meet reading standards, as well as have the opportunity to pursue their talents and interests through various research projects, activities, and competitions.

**#358910 Literacy Plus**

Students may be placed in this course based on their performance on state and/or local assessments.

## 8<sup>th</sup> Grade

**#388110 8<sup>th</sup> Grade English** (required)

This course will continue to focus on the five strands of the Common Core English/Language Arts Standards, including reading both literature and informational text, writing, speaking and listening, and language skills. Students will be introduced to a wide variety of text that aligns with new Lexile Levels of reading and an increase in text complexity. This course builds upon the skills taught in 6th and 7th grade English.

**OR**

**#38811P 8<sup>th</sup> Grade Pre-AP English**

**(Pre-requisite:** Commitment by student to participate in learning the skills and strategies required to be successful in advanced placement courses.)

Students will continue to gain in-depth knowledge and skills that align to the five strands of the Common Core English/Language Arts Standards, including reading both literature and informational text, writing, speaking and listening, and language skills. Students will be introduced to a wide variety of text that aligns with new Lexile Levels of reading and an increase in text complexity. There will also be an emphasis on independent learning, collaboration and a greater depth of literary analysis.

**#358910 Literacy Plus**

Students may be placed in this course based on their performance on state and/or local assessments.

MATHEMATICS						
6 <sup>th</sup> Grade	7 <sup>th</sup> Grade	8 <sup>th</sup> Grade	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
Accelerated Pathways						
Prerequisite Work + Accelerated Math 7	Algebra	Pre AP Geometry	Pre AP Algebra II	Pre- Calculus	AP Calculus AB	AP Calculus BC
Math 6	Accelerated Math 7	Algebra	Pre AP Geometry	Pre AP Algebra II	Pre- Calculus	AP Calculus AP Statistics
			Pre AP Geometry & Pre AP Alg II	Pre- Calculus	AP Calculus AB	4 <sup>th</sup> Year Math
						AP Calculus BC
SMART CORE						
Math 6	Math 7 OR Accelerated Math 7	Algebra	Pre AP Geometry & Pre AP Alg II	Pre- Calculus	AP Calculus AP Statistics	4 <sup>th</sup> Year Math
		8 <sup>th</sup> Math	Algebra	Pre AP Geometry	Pre AP Algebra II	Pre- Calculus
				Geometry	Algebra II	4 <sup>th</sup> Year Math
						4 <sup>th</sup> Year Math
CORE						
Math 6	Math 7	Math 8	Algebra	Geometry	Bridge to Alg II	Algebra II
			Math Lab	Math Lab		

Shaded = graduation credits

## 6<sup>th</sup> Grade

### #366310 6<sup>th</sup> Grade Math (required)

This course will focus on four critical areas: 1) connecting ratio and rate to whole number multiplication and division, and using concepts of ratio and rate to solve problems; 2) completing understanding of division of fractions and extending the notation of numbers to the system of rational numbers, which includes negative numbers; 3) writing, interpreting, and using expressions and equations; and 4) developing understanding of statistical thinking.

OR

### #37731P 7<sup>th</sup> Grade Accelerated Math

(Pre-requisite: 6th grade CCSS Math and Algebra Aptitude Test score to be determined by the district)

This course differs from the non-accelerated 7<sup>th</sup> grade course in that it contains content from the 8<sup>th</sup> grade. While coherence is retained in that it logically builds from the 6<sup>th</sup> Grade, the additional content when compared to the non-accelerated course demands a faster pace of instruction and learning. The course will focus on four critical areas: 1) develop a unified understanding of numbers, recognizing fractions, decimals, and percents as different representations of rational numbers; 2) use linear equations and systems of linear equations to represent, analyze, and solve a variety of

problems; 3) build on previous work with single data distributions to compare two data distributions and address questions about differences between populations; 4.) solve problems involving area, circumference, surface area, and volume.

**#358902 Math Plus**

Students may be placed in this course based on their performance on state and/or local assessments.

## 7<sup>th</sup> Grade

**#377310 7<sup>th</sup> Grade Math** (required)

This course will focus on four critical areas: 1) developing understanding of and applying proportional relationships; 2) developing understanding of operations with rational numbers and working with expressions and linear equations; 3) solving problems involving scale drawings and informal geometric constructions, and working with two- and three-dimensional shapes to solve problems involving area, surface area, and volume; and 4.) drawing inferences about populations based on samples.

**OR**

**#37731P 7<sup>th</sup> Grade Accelerated Math**

(Pre-requisite: 6th grade CCSS Math and Algebra Aptitude Test score to be determined by the district.)

This course differs from the non-accelerated 7<sup>th</sup> grade course in that it contains content from the 8<sup>th</sup> grade. While coherence is retained in that it logically builds from the 6<sup>th</sup> Grade, the additional content when compared to the non-accelerated course demands a faster pace of instruction and learning. The course will focus on four critical areas: 1) develop a unified understanding of numbers, recognizing fractions, decimals, and percents as different representations of rational numbers; 2) use linear equations and systems of linear equations to represent, analyze, and solve a variety of problems; 3) build on previous work with single data distributions to compare two data distributions and address questions about differences between populations; 4) solve problems involving area, circumference, surface area, and volume.

**OR**

**#430008 Algebra I\***

**\*This course is for high school credit and will count in high school grade point average and quality point's calculation.**

(Pre-requisites: Completion of 7<sup>th</sup> grade math or 7<sup>th</sup> grade accelerated math, identification through a predetermined screening process, and commitment by student to participate in course designed for accelerated pacing and in-depth learning of mathematical skills and strategies required to be successful in advanced courses.)

This course differs from High School Algebra I in that it contains content from 8th grade. While coherence is retained, in that it logically builds from the 7th grade curriculum, the additional content when compared to the high school course demands a faster pace for instruction and learning. The primary goal of Algebra 1 is to help students transfer their concrete mathematical knowledge to more abstract algebraic generalizations. Students will solve problems using equations, graphs, and tables to investigate linear, quadratic, and exponential relationships. In addition, students will explore operations on algebraic expressions and apply mathematical properties to algebraic equations.

**#358902 Math Plus**

Students may be placed in this course based on their performance on state and/or local assessments.



## 8<sup>th</sup> Grade

### **#388310 8<sup>th</sup> Grade Math** (required)

This course will focus on three critical areas: 1) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; 2) grasping the concept of a function and using functions to describe quantitative relationships; 3) analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem.

**OR**

### **#430008 Algebra I**\*

**\*This course is for high school credit and will count in high school grade point average and quality point's calculation.**

**(Pre-requisites:** Completion of 7<sup>th</sup> grade math or 7<sup>th</sup> grade accelerated math, identification through a predetermined screening process, and commitment by student to participate in course designed for accelerated pacing and in-depth learning of mathematical skills and strategies required to be successful in advanced courses)

This course differs from High School Algebra I in that it contains content from 8th grade. While coherence is retained, in that it logically builds from the 7th grade curriculum, the additional content when compared to the high school course demands a faster pace for instruction and learning. The primary goal of Algebra 1 is to help students transfer their concrete mathematical knowledge to more abstract algebraic generalizations. Students will solve problems using equations, graphs, and tables to investigate linear, quadratic, and exponential relationships. In addition, students will explore operations on algebraic expressions and apply mathematical properties to algebraic equations.

**OR**

### **#431001 Pre-AP Geometry**\*

**\*This course is for high school credit and will count in high school grade point average and quality point's calculation.**

**(Pre-requisite:** Algebra I)

This course is recommended for students planning to take AP courses before graduation. The fundamental purpose of this course is to formalize and extend students' geometric experiences from the middle grades. Congruence, proof, and constructions, similarity, proof, and trigonometry, extending to three dimensions, connecting algebra and geometry through coordinates, circles with and without coordinates, and applications of probability are the six critical areas of study.

### **#358902 Math Plus**

Students may be placed in this course based on their performance on state and/or local assessments.

# SCIENCE

6 <sup>th</sup> Grade	7 <sup>th</sup> Grade	8 <sup>th</sup> Grade	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
<b>Accelerated Pathways-</b> Recommended for students who intend to major in science related fields						
6 <sup>th</sup> Science	7 <sup>th</sup> Science	Physical Science-Integrated 8 <sup>th</sup> Science	Pre AP Biology-Integrated Physical Science-Integrated	Pre AP Chemistry-Integrated AND AP Biology AP Physics I Pre-AP Biology-Integrated AND Pre AP Chemistry	AP Chemistry AND/OR AP Physics I or II AP Physics I or II AP Chemistry AP Biology AP Environmental Science Anatomy & Physiology	AP Physics II AP Environmental Anatomy & Physiology
<b>SMART CORE-</b> Recommended for college bound students						
6 <sup>th</sup> Science	7 <sup>th</sup> Science	8 <sup>th</sup> Science	Physical Science-Integrated	Pre- AP Biology-Integrated Biology-Integrated	Pre- AP Chemistry-Integrated Chemistry-Integrated	<b>Electives:</b> AP Chemistry AP Biology AP Physics I/II Physics Anatomy & Physiology Outdoor Education AP Computer Science
<b>CORE</b>						
6 <sup>th</sup> Science	7 <sup>th</sup> Science	8 <sup>th</sup> Science	Physical Science-Integrated	Biology-Integrated	Choose a Science Elective	

Shaded = graduation credits

## 6<sup>th</sup> Grade

### #366210 6<sup>th</sup> Grade Science (required)

This course is integrated with life, physical, and earth science. This course covers topics including structure, function, information processing, growth and development of organisms, energy, earth's systems, weather and climate, and human impacts.

## 7<sup>th</sup> Grade

### #377210 7<sup>th</sup> Grade Science (required)

This course is integrated with life, physical, and earth science. This course covers topics including structure and properties of matter, chemical reactions, matter, energy, interdependent relationships in ecosystems, earth history and systems, and human impacts.

## 8<sup>th</sup> Grade

### #388210 8<sup>th</sup> Grade Science (required)

This course is integrated with life, physical, and earth science. This course covers topics including the nature of science, history of the earth, growth and development of organisms, natural selection and adaptations, forces and interactions, energy, waves and electromagnetic radiation, as well as space systems.

OR

**#423000 Physical Science-Integrated**

**\*This course is for high school credit and will count in high school grade point average and quality point's calculation.**

**(Pre-requisite:** Recommend student is enrolled in Algebra I previously or concurrently with this course.) Students in Physical Science Integrated continue to develop their understanding of the core ideas in the physical, life, and earth and space sciences learned in middle school. These ideas include the most fundamental concepts from chemistry, physics, biology, and Earth and space science but are intended to leave room for expanded study in upper-level high school courses. The performance expectations in Physical Science Integrated build on the middle school ideas and skills and allow high school students to explain more in-depth phenomena central not only to the physical sciences, but to life and earth and space sciences as well. There are six topics in Physical Science Integrated: (1) Elements, Matter, and Interactions, (2) Matter in Organisms, (3) Forces and Motion, (4) Energy, (5) Waves, and (6) Interactions of Humans and the Environment. Students will earn one unit of physical science credit for graduation.

SOCIAL STUDIES						
6 <sup>th</sup> Grade	7 <sup>th</sup> Grade	8 <sup>th</sup> Grade	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
Accelerated Pathways						
World History	Geography	Pre AP US History (1 semester)  Arkansas History (1 semester)	Pre AP US History  AP Human Geography	AP World History	Civics (.5) AND Economics (.5)  AP Government (meets Civics req.) AND Economics (.5)  AP Macroeconomics/AP Microeconomics	AP US History
SMART CORE and CORE						
World History	Geography (1 semester)  Arkansas History (1 semester)	<b>2019-2020</b> Arkansas History (1 semester)  US History OR Pre AP US History (1 semester)	US History OR Pre AP US History	World History	Civics (1 semester)  Economics (1 semester)	
ELECTIVES						
			AP Human Geography			
			AP European History Native American Anthropology Psychology World Geography			
			AP Government AP Macro/Micro Economics AP Psychology Sociology			



## 6<sup>th</sup> Grade

### **#366710 World History** — 6<sup>th</sup> Grade (full year) (required)

Grades 6 Social Studies builds on the foundational knowledge of civics/government, economics, geography, and history gained in earlier grades. This World History course focuses on world history from the beginnings through the middle of the first millennium.

## 7<sup>th</sup> Grade

### **#377710 Geography** — 7<sup>th</sup> Grade (first semester) (required)

The 7<sup>th</sup> grade World Geography course focuses on the study of spatial patterns of the human and physical dimensions of the world. Students will explore how these spatial patterns form, change over time, and relate to one another throughout various regions of the world. Students will examine the cultural, political, and economic developments, physical geography, and population distribution for both the Eastern and Western Hemispheres.

### **#378720 Arkansas History** — 7<sup>th</sup> Grade (second semester) (required)

The second semester for Grade 7 Social Studies has a focus on Arkansas history. This semester in Arkansas history serves as an in-depth and rigorous study of civics/government, economics, geography, and history of the state. Students will also investigate how Rogers and Northwest Arkansas fit into the social, cultural, and geographic history of the state.

## 8<sup>th</sup> Grade

*2019-2020 is a transition year. Beginning in 2020-2021 Arkansas History will be a 7<sup>th</sup> grade course.*

### **#378720 Arkansas History** — 8<sup>th</sup> Grade (first semester) (required)

The first semester for Grade 8 Social Studies has a focus on Arkansas history. This semester in Arkansas history serves as an in-depth and rigorous study of civics/government, economics, geography, and history of the state. Students will also investigate how Rogers and Northwest Arkansas fit into the social, cultural, and geographic history of the state.

**OR**

### **#388721 Pre-AP Arkansas History** — 8<sup>th</sup> Grade (first semester)

**(Pre-requisite:** Commitment by student to participate in learning the skills and strategies required to be successful in advanced placement courses.)

This course will cover the same content as the 8th grade social studies course but will introduce skills and strategies that students can use to enhance their critical thinking skills

### **#388710 US History** — 8<sup>th</sup> Grade (second semester) (required)

The first semester for Grade 8 Social Studies has a focus on United States history from the 1801 expansion and reform to 1900s Industrial America. The desired outcome of this course is for students to develop an understanding of the cause-and-effect relationship between events, recognize patterns of interactions, and understand the impact of events in the United States within an interconnected world. The history of the United States during the 19th century includes the integration of social, political, economic and geographic components. Students will also receive a review of the country's beginnings up through 1800.

**OR**

### **#388711 Pre-AP US History** — 8<sup>th</sup> Grade (second semester)

**(Pre-requisite:** Commitment by student to participate in learning the skills and strategies required to be successful in advanced placement courses.)

This course will cover the same content as the 8th grade social studies course but will introduce skills and strategies that students can use to enhance their critical thinking skills.

## ESOL Programs

### **Recently Arrived English Learners (RAEL) Institute** — 6<sup>th</sup> - 8<sup>th</sup> Grades

Emerging RAEL students will be placed on this team located at Elmwood Middle School. Transportation is provided from Lingle, Kirksey and Oakdale middle schools for the students in this program. This is a semi-contained program. The goals of this institute are to help students acquire English language skills, core academic skills, and to acclimate students to the U.S. school system. All RAEL Institute teachers are certified teachers with an ESOL endorsement. Emerging RAEL students will be integrated with mainstream peers during lunch and electives. As students increase their English proficiency, they will be transitioned into the regular ESOL program at their boundary school.

#### **#971601 RAEL English**

#### **#971602 RAEL Reading**

#### **#971603 RAEL Math**

#### **#971604 EL Language Development**

#### **#971605 RAEL Science**

#### **#971606 RAEL History**

### **Emerging and Progressing Language Learners** — 6<sup>th</sup> - 8<sup>th</sup> Grades

Supports for emerging and progressing language learners will be determined by skill deficits as noted by the Language Placement and Assessment Committee (LPAC).

#### **#97160E EL English**

This course is designed for emerging and progressing English learners who have a deficit in speaking, listening and/or writing as noted in their LPAC. This course will focus on the five strands of the Common Core English/Language Arts Standards, including reading both literature and informational text, writing, speaking and listening, and language skills. Students will be introduced to a wide variety of text that align with appropriate Lexile Levels of reading and an increase in text complexity with time dedicated to explicit English language development.

#### **#97160R EL Reading**

Language supports will be provided for students as they learn to apply a wide range of reading strategies to comprehend and interpret texts. They will then use a variety of methods to evaluate, discuss, and appreciate what they have read. Intervention for reading foundational skill deficits will be included.

#### **#971604 EL Language Development**

The purpose of this course is to provide emerging and progressing English Learners with functional academic English. The content focuses on developing proficiency in English through explicit language instruction and practice.

# SPECIAL EDUCATION

Special education is provided only for students who are eligible for services according to federal and state guidelines. Parent/teacher/counselor approval is required.

ENCORE CLASSES		
6 <sup>th</sup> Grade	7 <sup>th</sup> Grade	8 <sup>th</sup> Grade
REQUIRED		
Mandatory WHEEL <ul style="list-style-type: none"> <li>PE (1 semester)</li> <li>Health (6 weeks)</li> <li>Art (6 weeks)</li> <li>STEM 6: Explore PLTW (6 weeks)</li> </ul>	<div>Key Code (1 semester)*</div> <div>           Physical Wellness (1 semester)            OR            Athletic Wellness            (football, basketball, volleyball,            cheer, pom, track, cross-country)         </div>	<div>*Key Code (1 semester) if not taken in 7<sup>th</sup> grade</div> <div>           Physical Wellness (1 semester)            OR            Athletic Wellness            (football, basketball, volleyball,            cheer, pom, track, cross-country)         </div> <div>Career Development (1 semester)</div>
ELECTIVES		
All students must take a music class. Choose one: <div>Band</div> <div>Choir</div> <div>Orchestra</div> <div>           Exploratory WHEEL           <ul style="list-style-type: none"> <li>Music Appreciation (9 weeks)</li> <li>EXPLORE: Introduction to World Language (9 weeks)</li> <li>EXPLORE Course (9 weeks)</li> <li>EXPLORE Course (9 weeks)</li> </ul> </div>	<div>Band</div> <div>Choir</div> <div>Orchestra</div> <div>Art (1 semester)</div> <div>Family CSI (Consumer Science Investigations) (1 semester)</div> <div>STEM 7: PLTW Design &amp; Modeling /Flight &amp; Space (1 semester)</div>	<div>Band</div> <div>Choir</div> <div>Orchestra</div> <div>Art (1 semester)</div> <div>Family CSI (Consumer Science Investigations) (1 semester) If not taken in 7<sup>th</sup> grade</div> <div>STEM 8: PLTW Automation &amp; Robotics Medical Detectives (1 semester)</div> <div>Broadcasting</div> <div>Yearbook</div> <div>Leadership WEB</div> <div>           World Languages (High School Credit)           <ul style="list-style-type: none"> <li>French I</li> <li>German I</li> <li>Spanish I</li> <li>Spanish for Native Speakers I</li> </ul> </div>

## 6<sup>th</sup> Grade

### REQUIRED Mandatory Wheel (all students)

PE (1 semester), Health (6 weeks), Art (6 weeks), STEM 6 (6 weeks)

**#358816 Physical Education (PE)** — 6<sup>th</sup> Grade (required) (1 semester)

It is our goal for students to learn to value activity, fitness, and nutrition as keys to creating and maintaining a life-long healthy lifestyle.

**#366850 Health** — 6<sup>th</sup> Grade (required) (6 weeks)

Students will learn skills to help them prevent disease enhance their personal health and live a healthy life.

**#366510 Art** — 6<sup>th</sup> Grade (required) (6 weeks)

This course is designed to introduce students to the elements of art: line, color, shape, form, space and texture while developing creativity and imagination. Students work with a variety of materials in creative ways to capture art from life and imagination.

**#366650 STEM 6: EXPLORE Project Lead the Way-** 6<sup>th</sup> Grade (6 weeks)

EXPLORE PLTW will provide sixth grade students with a six-week introductory course that will include both a core introduction unit and exploratory STEM activities. Students will be introduced to the PLTW design process, problem solving activities, and hands-on STEM learning experiences.

### REQUIRED Music (all students must take a music class in 6<sup>th</sup> grade. If you do not take band, choir or orchestra, you must take the Exploratory Wheel.)

Choose one:

**#358540 Band** — 6<sup>th</sup> Grade (full year)

**(Pre-requisite:** Parents are required to provide an instrument.)

Beginning band students will be scheduled into similar instrument classes that meet every day. Students will learn to produce a characteristic sound, understand simple musical notation and terminology, and perform two concerts a year. Students will be expected to practice at home on a regular basis.

**#358544 Percussion**

**#35854B Brass**

**#54854W Woodwind**

OR

**#358536 Choir** — 6<sup>th</sup> Grade (full year)

This is a training choir open to all interested singers. Students focus on the fundamentals of singing technique, music theory, and concert etiquette. Through performance, the students are provided with practical application of what they have learned.

OR

**#358546- Orchestra** — 6<sup>th</sup> Grade (full year)

**(Pre-requisite:** Parents are required to provide an instrument.)

Students will learn the basic principles of the violin, viola, cello, or string bass. Students may be divided into classes with similar instruments. The instrument sections must be well balanced and will meet every day.

**#35854H High Strings**

**#35854L Low Strings**

OR

**Exploratory Wheel (required for students not in full year music class)**

Music Appreciation (9 weeks), EXPLORE: Introduction to World Languages (9 weeks) and two additional EXPLORE courses (9 weeks each).

**REQUIRED #36690M Music Appreciation**– 6<sup>th</sup> grade Exploratory Wheel (9 weeks)

This course explores aspects of music including exposure and interpretation of the meaning of artistic works. Students will synthesize and relate personal experience and artistic ideas with societal, cultural, and historical contexts to deepen understanding.

**REQUIRED #36690W EXPLORE: Introduction to World Languages** — 6<sup>th</sup> Grade Exploratory Wheel (9 weeks)

Students will look at world languages and learn some basic words in French, German, Spanish, and other languages as time allows. This course is meant to expose students to the various languages the district offers and allows students to make decisions based on their interests and abilities.

**Buildings will determine which two additional courses from the following list of approved EXPLORE courses will be offered within the wheel.**

**#36690L EXPLORE: Computer Literacy**- 6<sup>th</sup> Grade Exploratory Wheel (9 weeks)

This course will introduce students to computer-based technology concepts, including computer hardware and software components. The course is designed to increase student understanding and proficiency of foundational keyboarding and word processing skills such as Microsoft Word, EXCEL and PowerPoint. Students will learn basic formatting skills and command features within each program.

**#33690S EXPLORE: Construction, Machines and Motors**- 6<sup>th</sup> Grade Exploratory Wheel (9 weeks)

This course will introduce students to foundational skills relating to design and construction of different types of structures, construction related math and literacy concepts, and proper use of hand and motorized tools. Students will also explore the history of manufacturing, assembly line processes and machines that are commonly used in various industries, as well as basic principles of motorized equipment and vehicles. The course will include project-based learning activities designed to provide students opportunities to complete “hands-on” projects.

**#36690F EXPLORE: Food, Fitness & Finance**- 6<sup>th</sup> Grade Exploratory Wheel (9 weeks)

This course will introduce students to foundational concepts presented in the Family & consumer Sciences program, including food safety, healthy choices, nutrition and the benefits of physical fitness. Students will learn skills relating to personal finances relating to budgets, different types of credit and currency options, opportunity costs, savings plan and calculating monthly expenses that align with wages and earnings.

**#336690C EXPLORE: Introduction to Coding**- 6<sup>th</sup> Grade Exploratory Wheel (9 weeks)

This course will provide opportunities for students to gain knowledge and skills related to computer science with an emphasis on basic coding skills including block-based and text-based coding, sequencing, basic programming principles and commands. Students will learn strategies for identifying and debugging coding sequences and programs that do not produce expected outcomes. The course will include project-based learning tasks and activities that allow students to apply and practice computers science and coding skills in a variety of engaging learning experiences.

**#36690A EXPLORE: Introduction to Performing Arts**- 6<sup>th</sup> Grade Exploratory Wheel (9 weeks)

This course will provide opportunities for students to learn about different types of performing arts through exploratory study of music, drama, film/theatre, dance, public performance, and artistic interpretation. Students will have the opportunity to participate in a variety of learning experiences and activities that highlight dance, film, theatre and drama and art.

**#36690E EXPLORE: Introduction to Outdoor Education** - 6<sup>th</sup> Grade Exploratory Wheel (9 weeks)

This course allows students to explore aspects of the great outdoors. It encourages students to develop greater self-confidence and acquire a sense of trust and commitment in their classmates. Outdoor education is designed to expose students to a variety of outdoor skills while teaching them valuable lessons such as team building and problem solving.

**#36690H EXPLORE: Highly Effective Strategies of Teens** - 6<sup>th</sup> Grade Exploratory Wheel (9 weeks)

This course is part of the Franklin Covey Education courses. The course is designed for all student populations. Highly Effective Habits of Teens helps develop the essential life skills and characteristics students need in order to thrive in the 21<sup>st</sup> century. It develops student leaders, teaches tools for positive leadership behavior, develops character, leadership, academic achievement and raises levels of accountability for students. The course develops habits that are essential to goal setting and planning needed to develop organizational skills. The course guides students through leadership life principles, self-control, making wise decisions, goal setting, relational skills, and setting aside time to “sharpen the saw.”

**#358910 Literacy Plus**

Students may be placed in this course based on their performance on state and/or local assessments.

**#358902 Math Plus**

Students may be placed in this course based on their performance on state and/or local assessments.

## 7<sup>th</sup> Grade

### **REQUIRED Key Code (all students)**

**#399320 Key Code** — 7<sup>th</sup> (required) (1 semester).

Key Code is a one-semester course designed to cover the state keyboarding and computer science coding block standards. Emphasis is placed on the following: understanding the importance of Career and Technical Student Organizations (CTSO), soft skill development, operation and management of classroom equipment, touch-typing method, simple document formatting, and the computer science-coding block. A minimum of 5 weeks shall be dedicated to students using keyboarding skills as they relate to formulating algorithms as well as create, analyze, test, and debug computer programs in order to solve real-world problems. A text based programming language is required to accomplish these tasks.



## **REQUIRED P.E. (all students)**

### **#358817 Physical Wellness (PE) — 7<sup>th</sup> Grade (required) (1 semester)**

It is our goal for students to learn to value activity, fitness, and nutrition as keys to creating and maintaining a life-long healthy lifestyle.

**OR**

### **Athletic Wellness**

#### **#37781F- Football/Wellness (full year)**

#### **#37781B- Basketball /Wellness (full year)**

#### **#37781V -Volleyball/Wellness (full year)**

#### **#37781C - Cheer/Wellness (full year)**

#### **#37781P - POM/Wellness (full year)**

#### **#37781S - Spirit (full year)**

#### **#37781T - Track/Wellness (half year)**

#### **#37781X - Cross Country (half year)**

## **ELECTIVES (choose one full year course or two semester courses)**

### **#377540 Band — 7<sup>th</sup> Grade (full year)**

**(Pre-requisites:** 6<sup>th</sup> Grade Band or demonstrated skill level; Parents are required to provide an instrument.)

After completing 6<sup>th</sup> Grade band, students may be scheduled into similar instrument band classes that meet every day. Students will play 2 to 3 concerts each year and also participate in the Region Solo-Ensemble contest.

#### **#358544 Percussion**

#### **#35854B Brass**

#### **#54854W Woodwind**

### **#35853B Boys Choir or #35853G Girls Choir – 7<sup>th</sup> Grade (full year)**

Students in the 7<sup>th</sup> Grade choir program meet for class/rehearsal every day and focus on learning new music, music vocabulary, theory, sight singing, and listening to different genres of music. Students perform 2-3 concerts each year and have the opportunity to participate in vocal competitions. 7<sup>th</sup> grade choir may be scheduled as a mixed chorus.

### **#358547 Orchestra — 7<sup>th</sup> Grade (full year)**

**(Pre-requisites:** 6<sup>th</sup> Grade Orchestra or demonstrated skill level; Parents are required to provide an instrument.)

Students will continue learning the basic principles of the violin, viola, cello, or string bass. Students may be divided into classes with like instruments. The instrument sections must be well balanced and will meet every day. Students also have the opportunity to participate in solo & ensemble contests.

#### **#35854H High Strings**

#### **#35854L Low Strings**

### **#358510 7<sup>th</sup> Grade Art — 7<sup>th</sup> Grade (1 semester)**

This course is an exploration of visual mediums including pencil, charcoal, pen and ink, pastels, watercolor and paper maché. Inspiration will be taken from world cultures and both historical and contemporary artists. Design will be studied through the use of elements of art and principles of design. Techniques will be practiced in all mediums. Idea development will be practiced through creative thinking practice and elaboration.

**#377650 STEM 7: Project Lead the Way 7<sup>th</sup>/8<sup>th</sup> (1 semester)**

9 weeks **Design & Modeling** - Students will apply the design process to solve problems and understand the influence of creativity and innovation in their lives. Using Autodesk design software, students create a virtual image of their designs and produce a portfolio to show case their innovative solutions.

9 weeks **Flight and Space** - The exciting world of aerospace comes alive through Flight and Space. Students explore the science behind aeronautics and use their knowledge to design, build, and test an airfoil.

**#399080 Family CSI (Consumer Science Investigations) — 7<sup>th</sup> or 8<sup>th</sup> Grade (1 semester)**

This is a course in which emphasis is placed on competencies related to Family, Career and Community Leaders of America: personal and family development, relationships, home environment, food and nutrition, wellness, resource management, responsible child care, clothing and appearance, and career preparation.

## 8<sup>th</sup> Grade

### **REQUIRED Career Development (all students)**

**#399280 Career Development — 8<sup>th</sup> Grade (required) (1 semester)**

This foundation course uses hands-on activities and research to provide an opportunity for exploring the 16 career clusters. It is the point at which educational development begins with the establishment of individual career plans.

### **REQUIRED P.E. (all students)**

**#358818 Physical Wellness (PE) — 8<sup>th</sup> Grade (required) (1 semester)**

It is our goal for students to learn to value activity, fitness, and nutrition as keys to creating and maintaining a life-long healthy lifestyle.

**OR**

**Athletic Wellness**

**#38881F- Football/Wellness (full year)**

**#38881B- Basketball /Wellness (full year)**

**#38881V -Volleyball/Wellness (full year)**

**#38881C – Cheer/Wellness (full year)**

**#38881P – POM/Wellness (full year)**

**#38881T – Track/Wellness (half year)**

**#38881X – Cross Country (half year)**

### **REQUIRED Key Code (any student who did not take it in 7<sup>th</sup> grade)**

**#399320 Key Code — 7<sup>th</sup> / 8<sup>th</sup> (required) (1 semester).**

This course is designed to cover the state keyboarding and computer science coding block standards. Emphasis is placed on the following: understanding the importance of Career and Technical Student Organizations (CTSO), soft skill development, operation and management of classroom equipment, touch-typing method, simple document formatting and the computer science-coding block. A minimum of 5 weeks shall be dedicated to students using keyboarding skills as they relate to formulating algorithms as well as create, analyze, test and debug computer programs in order to solve real-world problems. A text based programming language is required to accomplish these tasks.

## **ELECTIVES (choose two full year courses OR one full year and two semester courses OR four semester courses)**

### **#35853B Boys Choir or #35853G Girls Choir – 8<sup>th</sup> Grade (full year)**

This choir meets for class/rehearsal every day. Students deepen their focus on sight singing, vocabulary and theory. Students perform various concerts throughout the year and have the opportunity to participate in vocal competitions and festivals. 8<sup>th</sup> grade choir may be scheduled as a mixed chorus.

### **#358540 Band — 8<sup>th</sup> Grade (full year)**

**(Pre-requisites:** 7<sup>th</sup> Grade Band or demonstrated skill level; Parents are required to provide an instrument.)

This band will meet each day in a full band setting and will play several concerts each year. Students will have the opportunity to participate in the Region Solo-Ensemble contest, as well as audition for the Junior All-region Band.

### **#358548 Orchestra — 8<sup>th</sup> Grade (full year)**

**(Pre-requisites:** 7<sup>th</sup> Grade Orchestra or demonstrated skill level; Parents are required to provide an instrument.)

The 8<sup>th</sup> Grade string orchestra will have class/rehearsal every day. The orchestra will perform in several concerts each year. In addition, students also have the opportunity to participate in solo and ensemble contests.

### **#388510 8<sup>th</sup> Grade Art — (1 semester)**

This course is an exploration of visual mediums including pencil, charcoal, pen and ink, pastels, watercolor and paper maché. Inspiration will be taken from world cultures and both historical and contemporary artists. Design will be studied through the use of elements of art and principles of design. Techniques will be practiced in all mediums. Idea development will be practiced through creative thinking practice and elaboration.

### **#399080 Family CSI (Consumer Science Investigations) — 7<sup>th</sup> or 8<sup>th</sup> Grade (1 semester)**

This is a course in which emphasis is placed on competencies related to Family, Career and Community Leaders of America: personal and family development, relationships, home environment, food and nutrition, wellness, resource management, responsible child care, clothing and appearance, and career preparation.

### **#38890Y MM Yearbook (1 semester or full year)**

Students will help create the yearbook.

### **#38890X MM Broadcasting (1 semester or full year)**

Students will demonstrate an understanding of the entire production process of entry-level creation and broadcast journalism.

### **#388650 STEM 8 Project Lead the Way - 8<sup>th</sup> Grade (1 semester)**

9 weeks ***Automation and Robotics*** - Students trace the history, development, and influence of automation and robotics as they learn about mechanical systems, energy transfer, machine automation, and computer control systems. Students use the VEX Robotics platform to design, build, and program real-world objects such as traffic lights, tollbooths, and robotic arms.

9 weeks ***Medical Detectives*** - Students play the role of a real-life medical detective as they analyze genetic testing results to diagnose disease and study DNA evidence found at a “crime scene.” They solve medical mysteries through hands-on projects and labs, investigate how to measure and interpret vital signs, and learn how the systems of the human body work together to maintain health.

## Middle School Course Catalog

### **#388900 Leadership** - 8<sup>th</sup> Grade (1 semester or full year)

**NOTE:** approved *Where Everyone Belongs* (WEB) students

The class will be an experience in active or participatory leadership. Students will take on projects, chosen and assigned, that will teach the skills of leadership. In the process, this will offer students an opportunity to better serve their school and community and develop individual responsibility.

**\*\* The following courses are for high school credit and will be counted in high school grade point average and quality point calculation.**

### **#441008 French I\*\*** — 8<sup>th</sup> Grade (full year)

This course is designed for students who wish to explore the French language and its cultures. Students will practice literacy skills including listening, speaking, reading, and writing. The culture of the French-speaking world is integrated into the curriculum through the four literacy skills. The course will be taught partially in French.

### **#442008 German I\*\*** — 8<sup>th</sup> Grade (full year)

In this course students will learn to speak and write German used in everyday situations. Students will develop the four language skills of speaking, listening, reading, and writing. Students will also gain information on the history, geography, and the way of life of German people. The course will be taught partially in German.

### **#440008 Spanish I \*\*** — 8<sup>th</sup> Grade (full year)

This course is designed for students who wish to explore the Spanish language and its cultures. Students will practice literacy skills including, listening, speaking, reading, and writing. The culture of the Spanish-speaking world is integrated into the curriculum through the four literacy skills. The course will be taught partially in Spanish.

### **#540108 Spanish for Native Speakers I \*\*** — 8<sup>th</sup> Grade (full year)

**(Pre-requisites:** Daily exposure to Spanish outside the school environment; conversational skills in Spanish; possible placement test).

This course is specifically designed to meet the communicative needs of the Spanish heritage learner. Students will learn Spanish structure: phonetics, grammar, spelling, reading, and writing processes. In addition they will work to build a more extensive vocabulary. This class will be taught in Spanish and will prepare students to advance to the upper levels of native Spanish.

In keeping with guidelines of Title VI, Section 601, Civil Rights Act of 1964, Title IX, Section 901, Education Amendments of 1972, and Section 504 of the Rehabilitation Act of 1973, the Rogers Public Schools assures that no person shall, on the basis of race, color, national origin, sex, religion or handicap be excluded from the participation in, be denied the benefits of, or be subjected to discrimination under any program.

Dr. Roger Hill, Equity Coordinator