

Hauser Junior High

7th Grade

Curriculum

Guide



Riverside Public Schools District 96

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Language Arts and Reading

District 96 is committed to an integrated, holistic, and challenging language arts and reading program. The curriculum includes high expectations in reading, writing, listening, speaking, and word study in all subject areas. Success is provided at each child's developmental level through differentiated instruction. We believe in creating a low-risk environment that nurtures the joy and appreciation of language and life-long learning.

A **balanced literacy program** provides students with the tools to become independent learners. Resources for the balanced literacy program include a variety of print and electronic sources. Balanced literacy provides and cultivates the skills of reading, writing, learning about words, thinking, listening, and speaking through the use of the following components:

Modeled Writing: *Teacher models writing in a genre through thinking aloud and reading aloud*

- Immerses students in a genre
- Develops sense of specific audience, purpose, and topic choice
- Demonstrates planning, writing, revising, and editing in a genre
- Prepares students to write in a genre

Shared Writing: *Teacher and students write collaboratively to create a common text*

- Guides students through the writing process
- Creates opportunities to experiment with new skills and strategies
- Clarifies students' understanding of a genre
- Allows for assessment to determine if additional demonstration is needed

Guided Writing: *Students write in a genre to apply writing skills and strategies with the support of the teacher*

- Allows for daily writing with teacher conferences
- Assesses individual student needs and provides differentiated instruction
- Promotes opportunities for students to apply genre characteristics

Independent Writing: *Students write independently*

- Develops writers who self-monitor, self-direct, and self-evaluate to improve writing quality
- Encourages more writing in the genre
- Provides opportunities to write authentically for audience and purpose

Read Aloud: *Teacher reads aloud to students*

- Provides adult model of fluent reading
- Develops vocabulary
- Establishes a collaborative and caring community of readers
- Develops active listening
- Models strategies through thinking aloud

Shared Reading: *Teacher and students read text together*

- Increases comprehension by applying strategies to more difficult text
- Develops vocabulary and fluency
- Provides a context for students to discuss a common text
- Promotes participation

Guided Reading: *Teachers differentiate instruction by matching students to appropriate text*

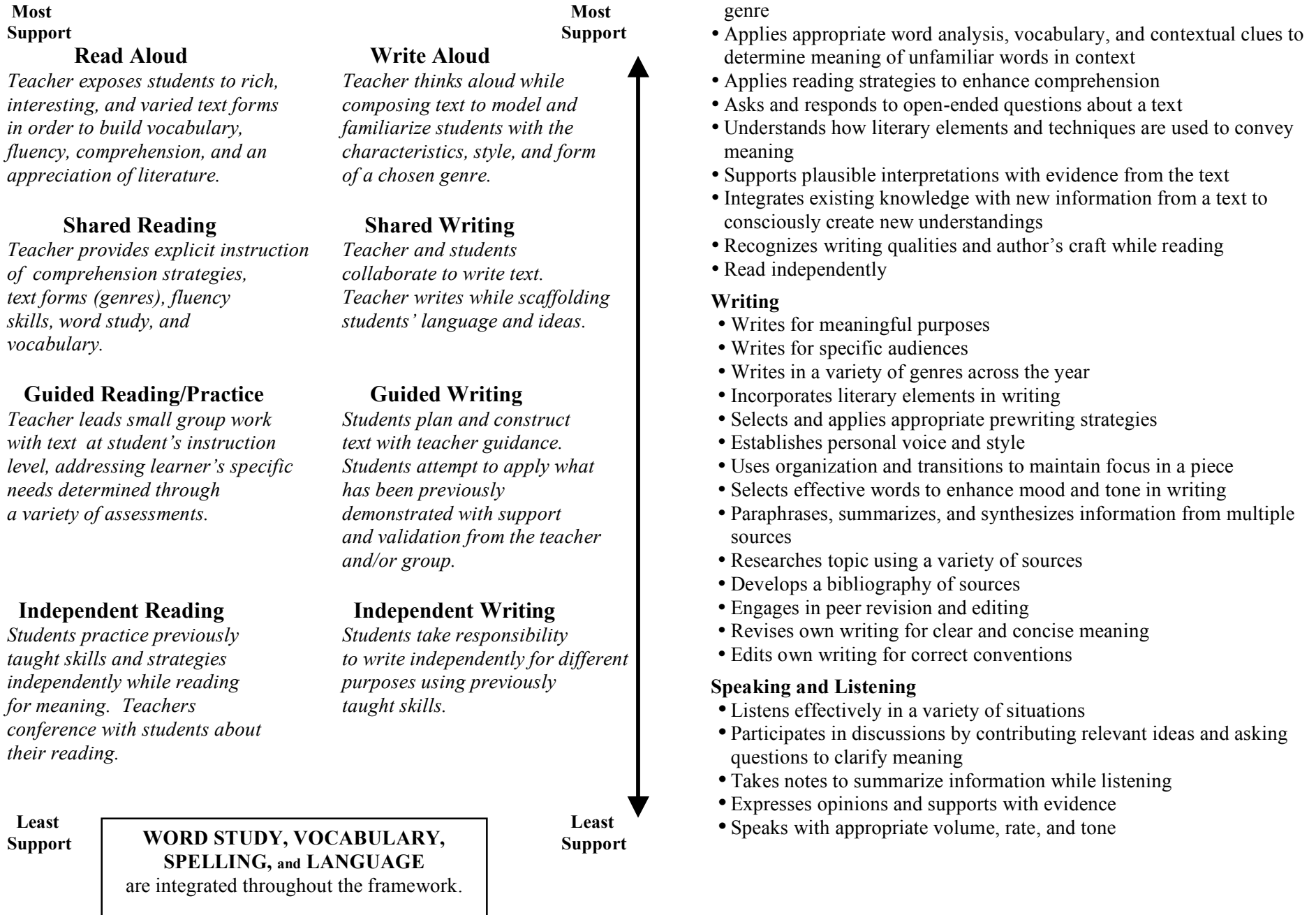
- Increases comprehension through practice
- Promotes vocabulary development
- Helps readers develop more effective reading strategies
- Encourages independent reading
- Creates opportunities for flexible small groups and discussion

Independent Reading: *Students read independently*

- Encourages strategic reading that is purposeful and active
- Allows for choice with a variety of texts
- Promotes reading for enjoyment and information
- Develops fluency
- Provides opportunities for students to independently monitor and clarify their own understanding

A Balanced Literacy Framework

Our goal in Riverside District 96 is to incorporate whole group, small group, and independent learning into everyday literacy experiences.



Math

Course Two

Through a tiered mathematics program, students are challenged to make appropriate academic progress and reach their individual potential. Classrooms also differentiate instruction to meet individual student needs. Each student develops a strong foundation of math skills essential for high school mathematics and everyday life.

Within each math class, students develop creative problem solving strategies and analyze the reasonableness of solutions. Math skills are applied in an authentic learning environment that emphasizes the inter-relationship of multiple disciplines. The sixth, seventh, and eighth grade math curriculum includes the concepts listed below.

Number Sense

- Evaluate expressions using order of operations
- Powers, exponents, and square roots
- Recognize and extend patterns for sequences
- Identify properties
- Evaluate simple algebraic expressions involving variables
- Write numbers in scientific notation

Geometry and Measurement

- Change metric units of length, capacity, and mass
- Change units in the customary system
- Measure, classify, and draw angles
- Discuss angle relationships, including supplementary and complementary angles
- Identify and classify polygons, including triangles and quadrilaterals
- Finding the area of triangles, parallelograms, quadrilaterals, circles, and complex figures
- Find length using Pythagorean Theorem

Statistics

- Find the mean, median, and mode of a set of data
- Organize and interpret data in a frequency table
- Construct and interpret line plots
- Construct and interpret bar graphs and histograms

Algebra: Integers

- Read and write integers and find the absolute value of an integer
- Compare and order integers
- Graph points on a coordinate plane
- Add, subtract, multiply and divide with positive and negative numbers

Algebra: Linear Equations and Functions

- Write verbal phrases and sentences as simple algebraic expressions and equations
- Solving equations with addition and subtraction
- Solving equations with multiplication
- Solving two-step equations
- Graphing a linear equation
- Find the slope of a line

Fractions, Decimals, and Percents

- Find the prime factorization of a composite number
- Identify rules of divisibility
- Find the greatest common factor of two or more numbers
- Find the least common multiple of two or more numbers
- Write fractions in simplest form
- Converting between fractions, decimals, and percents
- Converting between mixed numbers and improper fractions
- Comparing and ordering rational numbers
- Add, subtract, multiply, and divide fractions

Ratios and Proportions

- Write ratios as fractions and determine whether two ratios are equivalent
- Determine unit rates
- Solve proportions
- Solve problems involving scale drawings
- Determine whether figures are similar and find a missing length in a pair of similar figures

Applying Percents

- Write percents greater than 100% and percents less than 1% as fractions and as decimals, and vice versa
- Finding the percent of a number using the percent equation and/or percent proportion
- Solve problems involving sales tax and discount
- Find the percent of increase or decrease
- Solve problems involving simple interest

Probability

- Finding the possible outcomes of simple events
- Finding probability using tree diagrams
- Using the fundamental counting principle to determine the number of possible outcomes
- Identify combination versus permutation and how to determine the total number of possible arrangements
- Finding the probability of independent and dependent event

For more information, please visit <http://www.glencoe.com/>

Pre-Algebra

Through a tiered mathematics program, students are challenged to make appropriate academic progress and reach their individual potential. Classrooms also differentiate instruction to meet individual student needs. Each student develops a strong foundation of math skills essential for high school mathematics and everyday life.

Within each math class, students develop creative problem solving strategies and analyze the reasonableness of solutions. Math skills are applied in an authentic learning environment that emphasizes the inter-relationship of multiple disciplines. The sixth, seventh, and eighth grade math curriculum includes the concepts listed below.

Number Sense

- Use order of operations to evaluate expressions
- Evaluate expressions using variables and expressions
- Translate verbal phrases into algebraic expressions
- Identify properties of multiplication and addition
- Construct and interpret scatter plots

Integers

- Find the absolute value of an expression
- Compare and order integers
- Add, subtract, multiply, and divide integers
- Simplifying algebraic expressions
- Graph points on a coordinate plane

Equations and Inequalities

- Use the distributive property to write numerical and algebraic expressions
- Identify constants, coefficients, and like terms
- Combine like terms and constants to simplifying algebraic expressions
- Solve 1 and 2 step equations using addition, subtraction, multiplication, and division
- Write verbal equations
- Solve equations with variables on both sides
- Write and graph inequalities
- Solve inequalities by using addition, subtraction, multiplication, and division

Factors and Fractions

- Write and evaluate expressions involving negative exponents
- Write the prime factorization of composite numbers
- Factoring monomials
- Add, subtract, multiply and divide algebraic fractions
- Simplifying algebraic fractions
- Find the greatest common factor / least common multiple of two or more numbers / monomials
- Find the terms of arithmetic and geometric sequences

Geometry

- Identify and compare numbers in the real number system
- Measure and draw angles
- Classification angles and polygons
- Use the Pythagorean theorem to find the length of a side of a right triangle
- Identify corresponding parts and find missing measures of similar triangles
- Identify the relationships of angles formed by two parallel lines and a transversal
- Draw transformations on coordinate plane
- Find the area of polygons and irregular figures
- Find the circumference and area of circles
- Find the volume and surface area of 3-dimensional figures

Ratios, Proportions, and Percents

- Write ratios as fractions in simplest form
- Determine unit rates
- Solve proportions
- Use proportions to solve real world problems
- Solve real life problems involving discount and simple interest
- Find percent of increase or decrease
- Convert between decimals, fractions, and percents

Functions and Graphing

- Find the slope of a line
- Determine the x and y intercept
- Graph linear equations using ordered pairs, x/y-intercepts, and y-intercept/slope
- Draw best fit lines for sets of data

For more information, please visit <http://www.glencoe.com>

Social Studies

We seek to promote informed, responsible, and participatory citizens. In order to achieve civic competence, students will be provided a solid foundation in the areas of history, geography, economics, political science, and culture.

Our texts, *American History: Beginnings Through Reconstruction* (McDougall Littell) guides instruction through the following content areas. The seventh grade social studies curriculum begins the studies of American History. Areas covered begin with the English colonies and conclude following the Civil War.

As part of the Illinois state requirements, all students in seventh & eighth grade must pass the U.S. Constitution Test. This test is administered during the seventh grade studies.

Development of Colonies

- Identify the first English colonies.
- Describe the founding and growth of Jamestown.
- Explain why the Pilgrims came to America and describe their first years there.
- Identify common features of the New England colonies.
- Explain how the economy and social structure of the Southern colonies were intertwined.
- Analyze the common features shared by the Southern colonies.
- Describe the plantation economy in the South.
- Summarize the early history of the Middle Colonies.
- Explain how the English seized the Middle Colonies and established control from New England to the Southern Colonies.
- Explain why the Middle Colonies were prosperous.
- Describe the role of African Americans.
- Summarize ways that ethnic diversity encouraged tolerance.
- Describe the characteristics of the Backcountry.
- Analyze the conflicts that developed as settlers pushed west.
- Describe daily life in the colonies.

Beginnings of Slavery

- Define slavery and summarize how it developed in the Americas.
- Describe the lives of slaves and how slavery led to racism.
- Analyze how the search for cheap labor led to slavery.
- Explain ways that African Americans resisted enslavement.
- Road to Revolution
- Describe events that led to the beginning of the French and Indian War.
- Identify reasons why American colonies and Britain grew apart.
- Describe the ways that the colonists defied the rules of Parliament.
- Identify the ways that Britain tightened its control over the colonies and the colonists protested.
- Explain why the revolution began.

The Revolutionary War

- Describe how the war divided Americans.
- Explain Washington's strategy and the war in the Middle States.
- Evaluate Britain's Northern strategy.
- Analyze the effects of the Battles of Saratoga.
- Summarize the effects of the winter at Valley Forge on the American army.
- Explain how and why fighting spread to the frontier.
- Explain what happened when the war moved to the South.
- Describe how the war ended.
- Analyze reasons why the Americans won the war.

The U.S. Constitution and Test

- Describe the strengths and weaknesses of the Articles of Confederation.
- Contrast the powers, terms, and numbers of the House and Senate.
- Describe the specific powers granted to the Congress and how a bill becomes a law.
- Describe the election, powers, qualifications, and duties of the president.
- Describe the judicial branch of the government and the federal court system.
- Summarize the system of checks and balances.
- Describe the process for amending the Constitution.
- Identify the issues that Amendments address.

The Louisiana Purchase

- Identify and explain how the boundaries of the Louisiana Purchase changed the United States.
- Summarize the Lewis and Clark expedition.

The War of 1812

- Describe the events that led to the War of 1812.
- Summarize the phases of the War of 1812 as well as its legacy.

The Industrial Revolution

- Identify factors that led to the Industrial Revolution.
- Describe new inventions that changed transportation, communication, manufacturing, and agriculture.

Nationalism and Sectionalism

- Describe events that increased sectionalism.
- Summarize how Americans reached agreements with foreign nations to secure its borders.

Jackson Era

- Summarize how democracy changed during Jackson's presidency.
- Describe the issue of states' rights.
- Summarize the effects of the Indian Removal Act on Native Americans.
- Identify causes/effects of Jackson's destruction of the national bank.

Manifest Destiny

- Identify the reasons and challenges of the early pioneers moving west.
- Describe the sequence of events in the Texans' revolt against Mexico that resulted in the creation of the Lone Star Republic.
- Describe the war with Mexico and explain the impact of the victory.
- Describe how the discovery of gold changed California.

Reform Movements

- Identify reform movements that attempted to improve society in America.
- Identify specifics of daily life that reformers focused on improving.
- Explain how the abolition movement led to the fight for women's rights, and identify key people and events in the women's rights movement.

Slavery

- Explain the effect of the cotton gin on slavery in the South.
- Describe the daily life and culture of African Americans in the South in the mid 1800's.
- Describe the efforts of abolitionists in the 1800's to end slavery.

Tensions Between North and South

- Compare and contrast the economic paths of the North and the South.
- Summarize the effects of territorial expansion on the debate over slavery.
- Explain how political tensions resulted in violence and led to political divisions.

The Civil War

- Explain how the 1860 election revealed the divisions in the country.
- Describe the reasons and responses to the secession of seven Southern states.
- Summarize ways the Civil War was considered a new kind of war.
- Describe Union victories in the West.
- Summarize Southern success in the East.
- Analyze how the Emancipation Proclamation affected the war effort.
- Identify contributions African-American soldiers made to the Union cause.
- Analyze why the Confederacy fell.
- Analyze how the war transformed the nation.
- Describe the events surrounding the death of Abraham Lincoln.

Reconstruction

- Describe how Reconstruction affected national politics and governments in the South.
- Explain how former slaves responded to their new freedom.
- Summarize ways the Ku Klux Klan resisted Reconstruction.
- Describe the Republican Party's efforts to protect African-Americans' rights.
- Identify reasons why Reconstruction weakened.

For more information, please visit <http://holtmcdougal.hmhco.com/hm/ss.htm>

Science

District 96 is committed to providing an inquiry-based approach that promotes a process of thinking, comprehensive discovery, and an objective application of knowledge and skills related to science. Our text, *Science Explorer or Interactive Science* (Prentice Hall) is tool to help in facilitate the following topics.

First Trimester Topics:

Laboratory Safety and Equipment Procedures

Identify safety symbols and possible dangers

Recognize lab safety rules and appropriate practices

Classification of Living Organisms

- Identify the characteristics that all living things share and what they need to survive
- Explain the relationship between classification and evolution
- Describe the early classifications systems and practice using a taxonomic key
- Name the 7 levels of classification used by scientists
- Name and describe the 6 Kingdoms in which all organisms are grouped
- Explain the relationship between classification and evolution

Plant Kingdom

- Identify the characteristics that all plants share: leaves (collection), stems, roots, flowers, and seeds
- Describe the sexual reproduction that occurs during pollination
- Describe what happens during the process of photosynthesis

Fungi Kingdom

- Describe the characteristics that set Fungi apart from other living organisms

Scientific Method

- Utilize the scientific method to construct a bread mold project

Microscope

- Identify the microscope parts and demonstrate their functions

Second Trimester Topics:

Plant and Animal Cells

- Identify the role and functions performed by each cell organelle

Protist Kingdom

- Describe the characteristics of animal-like, fungus-like, and plant-like protists

Bacteria Kingdoms

- Identify the cell structures in bacteria and how they reproduce
- List positive roles that bacteria play in people's lives
- Describe some ways in which infectious diseases spread, can be treated, or prevented

Viruses

- Describe the basic structure of a virus
- Explain how they multiply while considered to be nonliving

Chemistry of Cells

- Describe the four main kinds of organic molecules in living things
- Explain how water is essential to the functioning of cells
- Review chemistry terms: density, chemical and physical change

Cell Processes

- Describe the cellular processes of diffusion, osmosis, active transport, and the cell cycle
- Describe the structure of DNA and how DNA replication occurs

Genetics

- Describe Mendel's genetics experiments
- Explain how geneticists use symbols to represent alleles
- Describe the principles of probability and the use of Punnett squares
- Describe the role of chromosomes in inheritance
- Identify and describe the events that occur during meiosis
- Describe different types of mutations and how they affect an organism

ISAT Preparation

3rd Trimester Topics:

The Earth System

- Identify and describe the main spheres of the Earth System
- Recognize the effects of constructive and destructive forces
- Identify the characteristics of the Earth's crust, mantle, and core
- Explain how heat is transferred by convection currents within Earth's mantle
- Explain Alfred Wegener's hypothesis of the drifting continents
- Explain how sea floor spreading, deep ocean trenches, and the process of subduction affects Earth's crust
- Explain the theory of plate tectonics

Mineral Identification

- Identify the characteristics and properties of minerals
- Describe how minerals are used

Igneous, Metamorphic, and Sedimentary Rocks

- Identify the characteristics of the three major groups of rocks
- Describe how each major group of rock is formed
- List and describe uses of the different types of rocks
- Describe how fossils are formed, and how scientists determine their age
- Describe the rock cycle

Forensic Science

- Reinforce scientific inquiry and process skills through the scientific method, for example: Fiber/Hair Identification, Blood Typing, Handwriting Analysis, Fingerprint Identification, and Blood Spatter

For more information, please visit <http://www.phschool.com>

Physical Education

The purpose of the Physical Education Program is to develop the physical, cognitive, and social-emotional skills needed by students to be physically active for a lifetime. The curriculum includes a wide range of activities that promotes socialization, encourages participation and enriches leisure time. Physical Education focuses on individual progress with varied learning experiences and individualized and cooperative learning opportunities in relevant physical activity forms. Students will learn each sport; participate in drills, activities and basic fundamentals before they play.

Units taught:

- Flag Football
- Rugby
- Ultimate Frisbee
- Fitness Testing
- Lacrosse
- Volleyball
- One day of Blind Volleyball
- Basketball
- Pickle-ball
- Floor Hockey
- Fitness Center (Winter Months)
- Handball
- Badminton
- Team Handball
- Eclipse Ball
- Softball
- Frisbee Golf

Art

The mission of the art program is to encourage the student's emerging aesthetic awareness, develop basic art skills, and encourage creative and critical thinking all while exploring creative solution to projects that explore the themes self, community, and environment.

The instruction that students will receive at Hauser builds on the elementary foundation and prepares students for high school. In 7th grade art is an elective. 7th grade students may choose either drawing or sculpture.

Through instruction students will gain knowledge and understand

- The elements and principles of art.
- The elements of color in a work of art.
- How to describe, interpret, evaluate, and respond to works of art using appropriate art vocabulary.
- One point perspective to create the illusion of depth in a two-dimensional drawing.
- The effect of light on three-dimensional objects.
- Color schemes in a work of art.
- Vocabulary used in art.
- How to analysis interpret and evaluate art.
- Tools and techniques used in 2-d and 3-D art.
- The contributions of artists and diverse cultures to society.
- How color affects the mood and composition in a work of art.
- Various art movements in history.
- The elements and principles as they influence meaning in works of 2-D and 3-D art.
- The difference between functional and decorative pottery.
- Additive and subtractive methods used in ceramics

Music

7th grade Orchestra

The 7th grade orchestra is for students who currently play violin, viola, cello or string bass. Instruction is not available for beginners. The 7th grade orchestra combines with the 8th grade orchestra students. The 7/8 orchestras meet Monday, Wednesday and Friday from 8:00 a.m. – 8:37 a.m. 7th grade orchestra students meet for once a week during an advisory time for smaller group sectional class. Performance opportunities for the 7/8 orchestras include concerts in October, December and April and the solo contest. 7th grade orchestra students may audition for the Chamber Orchestra, which is a select group for advanced players.

7th Grade Band

The 7th grade band is for students who currently play a band instrument. Instruction is not available for beginners. 7th and 8th grade students are divided into two bands, Symphonic Band and Wind Ensemble. The Wind Ensemble meets every Monday, Wednesday, and Friday from 7:20 – 8:00. The Symphonic Band meets every Monday, Wednesday, and Friday from 8:00 – 8:37. 7th grade band students meet for once a week during an advisory time for smaller group sectional class. Performance opportunities for the 7/8 bands include concerts in October, December and April and the solo contest.

- Learning new instrument skills from the band method book
- Performance opportunities includes several a year, and solo contest.

World Language

The goal of the World Language program is to help students develop skills in listening, speaking, reading and writing in the target language. Students who successfully complete two years of language study at Hauser have the opportunity to continue with Spanish II or French II at RB.

We use an integrated approach to language learning with a presentation and practice of functional expressions. The overall focus for students is on active engagement with the language, not just drill and practice skills. The end goal of the two-year study is meaningful communication.

In order to address a variety of learning modalities, classroom lessons incorporate the following:

- Audio listening exercises
- Video clips with young adolescent native speakers
- Partner activities
- Group work
- Individual practice

Vocabulary and grammar structures are interwoven with cultural information and language learning tips. The workbooks provide focused practice with grammatical structures, words and phrases targeted in each chapter.

7th Grade Spanish Level 1 A

Chapter 1

- Saying hello and goodbye
- Introducing people and responding to an introduction
- Asking how someone is and saying how you are
- Asking and saying how old someone is
- Asking where someone is from and saying where you are from
- Talking about likes and dislikes

7th Grade French

Chapter 2

- Talking about what you want or need
- Telling what's in your room
- Talking about what you need and want to do

Chapter 3

- Talking about classes and sequencing events
- Telling time
- Telling at what time something happens
- Talking about being late or in a hurry
- Describing people and things
- Talking about things you like and explaining why

Chapter 4

- Talking about what you and others like to do
- Talking about what you and others do during free time
- Telling where people and things are
- Talking about where you and others go during free time

Chapter 5

- Discussing how often you do things
- Talking about what you do and your friends like to do together
- Talking about what you do during a typical week
- Giving today's date
- Talking about the weather

Chapter 6

- Describing a family
- Describing people
- Discussing things a family does together
- Discussing problems and giving advice

Chapter 1

- Greeting people and saying goodbye
- Asking how people are and telling how you are
- Asking someone's name and age and giving yours
- Expressing likes, dislikes, and preferences about things and activities

Chapter 2

- Agreeing and disagreeing
- Asking for and giving information
- Telling time
- Telling when you have class
- Asking for and expressing opinions

Chapter 3

- Making and responding to requests
- Asking others what they need and telling what you need
- Telling what you'd like and what you'd like to do
- Getting someone's attention
- Expressing thanks

Chapter 4

- Telling how much you like or dislike something
- Exchanging information
- Making, accepting, and turning down suggestions

Chapter 5

- Making suggestions, recommendations, and excuses
- Getting someone's attention
- Ordering food and beverages
- Inquiring about and expressing likes and dislikes
- Paying the check

Chapter 6

- Making plans
- Extending and responding to invitations
- Arranging to meet someone

Social/Emotional

Student Services

The Student Services Department at L.J. Hauser Junior High School provides learning opportunities and guidance for interpersonal, academic and individual development. Students, faculty and parents are provided support in dealing with the stressors connected to pre-adolescent issues. Services are delivered via direct classroom instruction; school wide programming, and individual counsel. Student Services Staff also facilitate issue-based classroom lessons, serve students with special needs and guide students through the many transitions that occur. Some of the educational experiences students participate in include: S.M.A.R.T. Club, Lorado Taft, Cougar A.D.V.A.N.C.E., Red Ribbon Week, career exploration activities, and the Super Kids Program.

It is our goal that by the time students' progress through Hauser they will have been taught the skills necessary to-

- Apply strategies for successful decision-making
- Manage harassment/bullying situations
- Support positive character development
- Set, work towards and achieve specific and result- oriented goals
- Transition successfully to high school