

4th Grade

C-TACHs

Avery-Parsons Elementary School

Buena Vista School District

We empower students to be the 7 C's, to think deeply, and to become competent with the CTACHS by creating cultures for staff and students where there are mindsets of optimism and engagement and by facilitating thinking and feedback using the 8 elements of rigorous and responsive teaching.

Reading

Grade Level Text- Read with fluency

Individual Reading Level: Use *targeted reading strategies to comprehend

Make connections

Make inferences about setting, characters, motivation/personality

Visualize text content

Ask questions about text

Determine importance of text

Synthesize new ideas from text

Use context to confirm or self-correct word recognition and understanding, rereading as necessary

Individual Reading Level: Use *targeted reading strategies to summarize text using key details

Determine the main idea of independent level text using details from the text

Describe in depth a character, setting, or event in a story or drama, using details from the text

With support, determine the central message or theme of a story, drama, or poem from details in the text

Informational Text: Refer to details and examples in a text to determine main idea and to draw simple inferences

Informational Text: Explain orally, visually, or written procedures, ideas, or concepts in informational text based on examples from the text

Informational Text: Use text features (bold headings, visuals, captions, and glossary) to organize information

Informational Text: Skim and scan to overview and locate information in a text

Individual reading level: Explain how an author uses structure, reason and evidence to make a point and recognize author's purpose for writing

Explain the major differences between poems, drama and prose and refer to the structural elements of poems and drama when writing or speaking about a text

Compare and contrast the point of view from which different stories are narrated and topics are presented by authors in informational text

Informational Text: Compare and contrast how topics are presented by authors in informational text

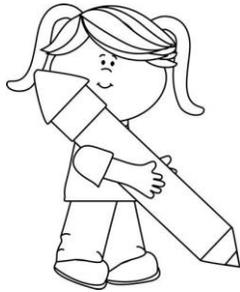
Informational Text: Explain how an author uses reason and evidence to support particular points in a text

Informational Text: Explain how graphics, interactive elements, and web pages support the words of a text

Individual Reading Level- Compare and contrast content presented in different formats

Make connections between the text of a story or drama and a visual or oral presentation of the text

Compare and contrast the treatment of similar themes and topics in literature



Writing

Write well-organized, fluent writing pieces

Write a well-organized opinion piece on topics supporting a point of view with well-supported reasons and details

Use precise language and vocabulary to inform about or explain a topic (expository)

Use concrete words and phrases and sensory details to convey experiences and events precisely (narrative)

Use dialogue and description to develop experiences and events (narrative)

Choose punctuation for effect

IDEAS- the meaning and development of the message

ORGANIZATION- the internal structure of the piece

SENTENCE FLUENCY- the way the words and phrases flow throughout the text

WORD CHOICE- the specific vocabulary the writer uses to convey meaning

VOICE- the tone of the piece- the personal stamp that the writer brings to it

PRESENTATION- with some guidance and support, prepare a final piece of writing for presentation, including use of digital media

Handwriting: form cursive letters fluently

Handwriting is neat and easy to read, well-spaced

Keyboarding: Demonstrate sufficient command of keyboarding skills to type a minimum of one page in a single sitting

Pictures add detail, support piece and are appropriate

Markers, charts, tables and graphs, if needed, support and clarify text and are properly placed

Take notes, categorize information, and provide a list of sources

Conduct short research projects that build knowledge through investigation of different aspects of a topic

With some guidance and support, use the writing process to create and improve a piece of writing

Write routinely with fluency over extended time frames

Write well-organized, fluent writing pieces to a prompt

Language

Demonstrate command of grade specific targets for conventions

Use relative pronouns (who, whose, whom, which, that) and relative adverbs (where, when, why)

Form and use prepositional phrases

Produce complete sentences, recognizing and correcting inappropriate fragments and run-ons

Correctly use frequently confused words (e.g., to, too, two; their, there)

Use correct capitalization

Use commas, quotation marks, and appropriate indentation to mark direct speech and quotations from a text

Use a comma before a coordinating conjunction in a compound sentence

Determine when formal and informal language is appropriate

Spell grade- appropriate words correctly, consulting references as needed

Use a variety of strategies to determine or clarify the meaning of unknown and multiple-meaning words and phrases in grade level content reading

Acquire and use content specific vocabulary and precise words for emotions, actions, and compare/contrast words (e.g., however, although, similarly, moveover)

Use context as a clue to meaning of a word or phrase

Determine the meaning of words and phrases in a text

Develop content level vocabulary words and phrases in a text

With support, use Greek and Latin affixes and roots as clues to the meaning of a word

Consult reference materials (print and digital) to find pronunciation and clarify precise meaning of unknown words

Explain meaning of simple similes and metaphors in context

Recognize and explain the meaning of common idioms, adages, and proverbs

Demonstrate understanding of words by relating them to their antonyms and synonyms

Speaking and Listening

Engage effectively in a range of collaborative discussions

Listen actively

Paraphrase information presented orally

Identify the reasons and evidence a speaker provides to support particular points

Present information on a topic or text orally

Speak clearly, at an understandable pace and at appropriate volume to be heard

Use content specific vocabulary to ask and answer questions and provide information

Include multimedia components and visual displays to enhance a presentation

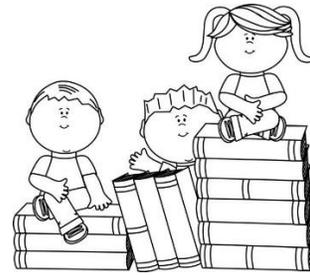
Speak with language appropriate for situations (code-switching)

Engage effectively in a range of collaborative discussions

Listen actively
Present information on a topic or text orally

Include multimedia components and visual displays to enhance presentation

Speak with language appropriate for situations (code-switching)



Mathematics

Mastery/Precision- Number Sense, Properties, and Operations

Fluency in math facts (+,-,/,x) and fractions (3rd grade mastery)

Use four operations (+,-,/,x) to solve problems with whole numbers

Read and write whole numbers to millions

Compare and round whole numbers to millions

Round whole numbers to nearest 10 or 100

Use the approximation symbol

Use place value understanding and properties of operations to perform multi-digit arithmetic

Fluently add and subtract multi-digit whole numbers using standard algorithm

Multiply a whole number of up to four digits by 1 digit

Multiply two-digit number by two-digit number, illustrate, and explain the calculations using arrays, area models or equations

Divide a 4-digit number by a 1-digit number with remainders

Interpret remainders when solving problems

Solve up to three-step word problems involving four operations

Check reasonableness of answers

Mastery/Precision- Number Sense, Properties, and Operations

Generate and analyze patterns and identify apparent features of the pattern that were not explicit in the rule itself

Apply concepts of square, primes, composites, factors, and multiples to solve problems

Determine if a whole number between 1-100 is prime or composite

Find the common multiples of two given 1-digit numbers

Find all factors pairs for a whole number 1-100

Find the common factors of two given numbers

Determine if a given 1-100 number is a multiple of a given digit

Use letters in equations to solve for an unknown quantity

Communication- Use visual models to defend answers to problems

Problem Solving/Reasoning- Visually and kinesthetically organize information to reach a solution

Persistent and take risks in math work



Social Studies

Use Cause and Effect when making decisions, defending positions, and solving problems

Given an example of cause/effect in history, identify what is the cause and what is the effect and explain the relationship in a sentence

Given an event in history, generate a list of reasonable causes with peers and teacher

Use a graphic organizer to describe thinking about the cause/effect of a situation

Think Interpedently when making decisions, defending positions, and solving problems

Ask questions of others to clarify positions or get information

Use cooperative group skills in discussion by listening to others and speaking briefly to allow all to participate

Make a shared decision

Acknowledge the viewpoints of others in a group

Think creatively and innovatively when making decisions, defending positions, and solving problems

Generate a list of consequences that might result from a given action

Consider new, different, and alternative approaches to a given problem

Determine new relationships by identifying similarities and differences among ideas, objects, and experiences

Demonstrate proficiency in essential concepts related to history: Colorado

Construct a timeline of event in Colorado History

Analyze primary source documents related to Colorado History

Understand cause and effect relationship in the interactions among people and cultures that have lived in or migrated to CO

Describe the impact of various technological advancements to the state of CO, including mining, technology, transportation, industrial change, nuclear and computer advances

Demonstrate proficiency in essential concepts related to economics: Colorado

Give examples of the kinds of goods and services produced in CO in different historical periods

Explain how the productive resources (natural, human, capital) of CO, have influenced the types of goods produced and services provided

Personal Finance

Identify sources of income including gifts, allowances, and earnings

Recognize that there are costs and benefits associated with borrowing to meet a short-term financial goal

Identify jobs children can do to earn money for personal, philanthropic, or entrepreneurial goals

Create a plan for a short-term financial goal

Describe the steps necessary to reach short-term financial goals

Define choices and their opportunity cost

Analyze different choices and their opportunity cost

Give examples of the opportunity costs for individual decisions

Identify financial risks that individuals face

Analyze methods of limiting financial risk

Identify different financial institutions

Identify the products and services of financial institutions to include but not limited to checking accounts, savings accounts, investments, and loans

Compare and contrast financial institutions, their products, and services

Demonstrate proficiency in essential concepts related to geography: Colorado

Locate Colorado and neighboring states on a map of the United States

Describe similarities and differences between the physical geography of CO and its neighboring states

Answer questions about CO region using maps and other geographic tools

Use geographic grids to locate places on maps and images to answer questions

Create and investigate geographic questions about CO in relation to other places

Illustrate, using geographic tools, how places in CO have changed and developed over time due to human activity

Describe, explain, and analyze how physical environments impact human activities, immigration into the state, and the movement of goods and services

Describe, explain, and analyze how people use geographic factors in creating settlements and have adapted to and modified the local physical environment

Demonstrate proficiency in essential concepts related to civics: CO

Describe the development of governments in CO, topics to include but not limited to: CO constitution and the relationship between state and national government

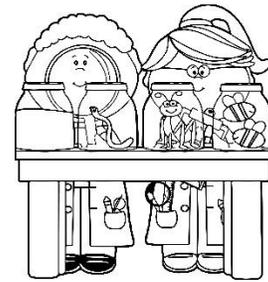
Give examples of issues faced by the state and develop possible solutions

Explain the structure, and functions of the three branches of the state government and the relationships among them

Identify and explain a variety of roles leaders, citizens, and others play in state government

Identify and explain the services state governments provides and how those services are funded

Explain the events that led to the formation of the CO government



Science

Demonstrate proficiency in essential concepts of Physical Science: Energy and Force

Identify and describe the variety of energy sources

Show that electricity in circuits requires a complete loop through which current can pass

Describe the energy transformation that takes place in electrical circuits where light, heat, sound, and magnetic effects are produced

Use multiple resources- including print, electronic, and human, to locate information about different sources of renewable and nonrenewable energy

Demonstrate proficiency in essential concepts in Life Science: Life Processes and Adaptations; Fossils; Food Chains and Webs

Use evidence to develop a scientific explanation of what plants and animals need to survive

Use evidence to develop a scientific explanation for similarities and/or differences among different organisms (species)

Analyze and interpret data representing variation in a trait

Examine, evaluate, question, and ethically use information from a variety of sources and media to investigate questions about characteristics of living things

Use evidence to develop a scientific explanation for: what fossils tell us about a prehistoric environment; what conclusions can be drawn from similarities between fossil evidence and living organisms

Analyze and interpret data to generate evidence about the prehistoric environment

Evaluate whether reasoning and conclusions about given fossils are supported by evidence

Describe the components, living and non-living, that compose a habitat

Model the relationship (food web) between producers and consumers in a specific habitat

Identify the components that make a habitat type unique

Compare and contrast different habitat types

Create and evaluate models of the flow of non-living components/resources through an ecosystem

Demonstrate proficiency in essential concepts in Earth Science: Solar System

Develop, communicate and justify a scientific explanation addressing a scientifically oriented question about the components of the solar system

Gather, analyze and interpret data about components of the solar system

Utilize direct and indirect evidence to investigate the components of the solar system

Gather, analyze and interpret data about the sunrise and set, moon movements and phases, and star movements