4th Grade Information for Parents

This document identifies the Program of Studies (POS) content that aligns to each progress report standard, with noted extensions for students receiving Advanced Academic services. The left-hand column indicates the grade level POS, and the right-hand column notes the intended POS extension. Students receiving advanced math will be instructed at the grade level above POS, which is noted in this document. Health, art, music, physical education, and world languages are instructed using the grade level POS.

Language Arts	
Listens and speaks for specific purposes	
4th Grade POS	AAP 4 th Grade Extensions
Present accurate directions to individuals and small groups	 Participate in group discussions as a listener and a speaker in seminars Develop listening/oral communication skills
Contribute to group discussions across content areas	 Participate in group discussions as a listener and a speaker in seminars Articulate understanding of a reading to a partner State the main ideas or themes of the story Engage in a dialogue about the meaning of a selection Develop listening/oral communication skills
Seek ideas and opinions of others	Ask clarifying questions and take notes when listening to a speaker
Use evidence to support opinions	 Develop skills of argument formulation in persuasive communication Support opinions with examples and details
Use correct language and specific vocabulary to communicate ideas	Use specific vocabulary to communicate ideas
Communicate new ideas to others	 Make informative and persuasive oral presentations using purposeful structure and visuals Develop listening/oral communication skills
Demonstrate the ability to collaborate with diverse teams	 Participate in group discussions as a listener and speaker in seminars
Demonstrate the ability to work independently	 Develop skills of argument formulation in persuasive communication Support opinions with examples and details Make informative and persuasive oral presentations using purposeful structure and visuals Use specific vocabulary to communicate ideas
Use subject-related information and vocabulary	 Use specific vocabulary to communicate ideas Use reference books to determine meaning, pronunciation and origin of words Know the type of information found in various reference materials including atlases, dictionaries, and websites Select appropriate resources to find answers to questions about a topic
Listen to and record information	 Ask clarifying questions and take notes when listening to a speaker Develop listening/oral communication skills

^{4&}lt;sup>th</sup> Grade Parent Information: 2013-2014

Organize information for clarity	Organize information using charts, diagrams, and timelines
Use language and style appropriate for audience	Use specific vocabulary to communicate ideas
Differentiate among auditory, visual and written media messages	
Identify the characteristics of various media messages	
Locates and uses information from a variety of sources	
4 th Grade POS	AAP 4 th Grade Extensions
Use word reference materials, including the glossary, dictionary, etc	Use reference books to determine meaning, pronunciation, and origins of words
Construct questions about a topic	 Conduct authentic research by applying skills of questions, information gathering, data analysis and synthesis
Collect information from multiple resources	 Conduct authentic research by applying skills of questions, information gathering, data analysis and synthesis Know the type of information found in various reference materials including atlases, dictionaries, and websites Select appropriate resources to find answers to questions about a topic
Use technology as a tool to organize, evaluate, and communicate	Organize information using charts, diagrams, and timelines
Give credit to sources used in research	 Conduct authentic research by applying skills of questions, information gathering, data analysis and synthesis
Understand the difference between plagiarism and using own words	 Conduct authentic research by applying skills of questions, information gathering, data analysis and synthesis
Reads with accuracy and fluency	
4 th Grade POS	AAP 4 th Grade Extensions
Read with fluency and accuracy	Use a variety of word recognition skillsIncrease number of known words
Reads with understanding	
4 th Grade POS	AAP 4 th Grade Extensions
Use context to clarify meanings of unfamiliar words	Use the words around an unknown word to figure out its meaning
Use knowledge of roots, affixes, synonyms, antonyms, and homophones	 Use text, word parts, knowledge of stems and word origins to figure out unfamiliar words Increase vocabulary development by applying the knowledge of Greek and Latin stems to the English language
Develop vocabulary by listening to and reading a variety of texts	
Use vocabulary from other content areas	
Explain the author's purpose	 Use a variety of strategies including: determining importance, making inferences, drawing conclusions and considering multiple perspectives

^{4&}lt;sup>th</sup> Grade Parent Information: 2013-2014

Describe how the language, setting, etc. contribute to purpose	
Identify the main idea	Use a variety of strategies including: determining importance, making inferences, drawing conclusions and considering multiple perspectives
Summarize supporting details	 Provide a sequence of events, procedures, and/or activities that occur in the text.
Identify the problem and solution	 Use a variety of strategies including determining importance, making inferences, drawing conclusions and considering multiple perspectives Develop analytical and interpretive skills in literature
Describe the relationship between text and previously read materials	
Identify sensory words	
Draw conclusions/make inferences about text	 Use a variety of strategies including: determining importance, making inferences, drawing conclusions and considering multiple perspectives Draw consequences and implications from text for application in the real world Create generalizations about the story/text based on categories
	Develop analytical and interpretive skills in literature
Make, confirm, or revise predictions	
Identify cause and effect relationships	 Understand cause and effect and its relationship to consequences and implications within a text Develop analytical and interpretive skills in literature
Use reading strategies to monitor comprehension	Monitor reading and know what to do when understanding in not occurring
Use text structures to predict and categorize information	 Identify and use text features such as headings, formats, charts, and diagrams
Formulate questions that might be answered in the selection	Create and answer questions about a topic
Explain the author's purpose	 Use a variety of strategies including: determining importance, making inferences, drawing conclusions and considering multiple perspectives
Identify the main idea	 Use a variety of strategies including: determining importance, making inferences, drawing conclusions and considering multiple perspectives Develop analytical and interpretive skills in literature
Summarize supporting details	 Understand classification of details to make generalizations within text Provide details, examples and illustrations from written text State the setting or context for the story by place and time

Draw conclusions and make simple inferences using text as support	 Use a variety of strategies including: determining importance, making inferences, drawing conclusions and considering multiple perspectives Draw consequences and implications from text for application in the real world Create generalizations about the story/text based on categories Develop analytical and interpretive skills in literature Understand the concept of change in the language arts Develop reasoning skills in the language arts
Distinguish between cause and effect	Understand cause and effect and its relationship to consequences and implications within a text
Distinguish between fact and opinion	 Use a variety of strategies including: determining importance, making inferences, drawing conclusions and considering multiple perspectives Understand classification of details to make generalizations within text
Use prior knowledge and build additional background knowledge	Understand the concept of change to analyze literature
Identify new information gained from reading	Understand the concept of change to analyze literature
Use reading strategies to monitor comprehension	 Monitor reading and know what to do when understanding in not occurring Use a variety of strategies including: determining importance, making inferences, drawing conclusions and considering multiple perspectives
Writes with purpose, clarity, and expression	
4 th Grade POS	AAP 4 th Grade Extensions
Identify intended audience	 Select a topic and develop a plan for writing for a variety of purposes and audiences
Focus on one aspect of a topic	Focus, organize, and elaborate to create an effective message
Use a variety of prewriting strategies	Focus, organize, and elaborate to create an effective message
Organize writing to convey a central idea	 Focus, organize, and elaborate to create an effective message Use description, details, and examples Reflect individuality through word choice and style Develop persuasive writing skills
Recognize different modes of writing have different organization	Synthesize author techniques to improve or create a new piece of writing

Write a clear topic sentence focusing on the main idea	 Focus, organize, and elaborate to create an effective message
	 Evaluate the effective use of words, sentences, and paragraphs in context
Write two or more related paragraphs on the same topic	Use the elements of reasoning to develop strong, convincing arguments in persuasive writing
Use transition words for sentence variety	 Vary sentence type, length and order to maximize the written message Use descriptive details and examples Evaluate the effective use of words, sentences, and paragraphs in context
Utilize elements of style, including word choice, sentence variation	 Vary sentence type, length and order to maximize the written message Use descriptive details and examples Reflect individuality through word choice and style Evaluate the effective use of words, sentences, and paragraphs in context
Revise writing for clarity using specific vocabulary and information	 Revise based on peer review, teacher feedback and self evaluation by adding, deleting, and changing information to improve writing Synthesize author techniques to improve or create a new piece of writing
Include supporting details that elaborate the main idea	Use the elements of reasoning to develop strong, convincing arguments in persuasive writing
Edits for usage and mechanics in own writing	
POS 4 th Grade POS	AAP 4 th Grade Extensions
Use subject- verb agreement	Develop linguistic competency
Include prepositional phrase	Develop linguistic competency
Include prepositional phrase Eliminate double negatives	Develop linguistic competencyDevelop linguistic competency
Include prepositional phrase Eliminate double negatives Use noun-pronoun agreement	Develop linguistic competency
Include prepositional phrase Eliminate double negatives Use noun-pronoun agreement Use commas in series, dates, and addresses	 Develop linguistic competency Develop linguistic competency Develop linguistic competency
Include prepositional phrase Eliminate double negatives Use noun-pronoun agreement Use commas in series, dates, and addresses Incorporate adjectives and adverbs	Develop linguistic competencyDevelop linguistic competency
Include prepositional phrase Eliminate double negatives Use noun-pronoun agreement Use commas in series, dates, and addresses Incorporate adjectives and adverbs Use correct spelling for frequently used words	 Develop linguistic competency Develop linguistic competency Develop linguistic competency Develop linguistic competency
Include prepositional phrase Eliminate double negatives Use noun-pronoun agreement Use commas in series, dates, and addresses Incorporate adjectives and adverbs Use correct spelling for frequently used words Use singular possessives	 Develop linguistic competency Develop linguistic competency Develop linguistic competency
Include prepositional phrase Eliminate double negatives Use noun-pronoun agreement Use commas in series, dates, and addresses Incorporate adjectives and adverbs Use correct spelling for frequently used words Use singular possessives Understand and use the editing process	 Develop linguistic competency Develop linguistic competency Develop linguistic competency Develop linguistic competency
Include prepositional phrase Eliminate double negatives Use noun-pronoun agreement Use commas in series, dates, and addresses Incorporate adjectives and adverbs Use correct spelling for frequently used words Use singular possessives Understand and use the editing process Develop handwriting	 Develop linguistic competency
Include prepositional phrase Eliminate double negatives Use noun-pronoun agreement Use commas in series, dates, and addresses Incorporate adjectives and adverbs Use correct spelling for frequently used words Use singular possessives Understand and use the editing process Develop handwriting 4th Grade: Series	 Develop linguistic competency
Include prepositional phrase Eliminate double negatives Use noun-pronoun agreement Use commas in series, dates, and addresses Incorporate adjectives and adverbs Use correct spelling for frequently used words Use singular possessives Understand and use the editing process Develop handwriting 4 th Grade: See Explains how the people and events of the past have influenced.	 Develop linguistic competency Develop linguistic competency Develop linguistic competency Develop linguistic competency
Include prepositional phrase Eliminate double negatives Use noun-pronoun agreement Use commas in series, dates, and addresses Incorporate adjectives and adverbs Use correct spelling for frequently used words Use singular possessives Understand and use the editing process Develop handwriting 4th Grade: See Explains how the people and events of the past have influed the Grade POS	 Develop linguistic competency Develop linguistic competency Develop linguistic competency AP 4 th Grade Extensions
Include prepositional phrase Eliminate double negatives Use noun-pronoun agreement Use commas in series, dates, and addresses Incorporate adjectives and adverbs Use correct spelling for frequently used words Use singular possessives Understand and use the editing process Develop handwriting 4th Grade: Se Explains how the people and events of the past have influed the Grade POS Interpret artifacts & source documents to understand events in history	 Develop linguistic competency Develop linguistic competency Develop linguistic competency AP 4 th Grade Extensions Apply skills of historical analysis and interpretation to primary and secondary sources of information
Include prepositional phrase Eliminate double negatives Use noun-pronoun agreement Use commas in series, dates, and addresses Incorporate adjectives and adverbs Use correct spelling for frequently used words Use singular possessives Understand and use the editing process Develop handwriting 4 th Grade: See Explains how the people and events of the past have influed the Grade POS Interpret artifacts & source documents to understand	 Develop linguistic competency Develop linguistic competency Develop linguistic competency Develop linguistic competency Develop linguistic competency Apart Alam Alam Alam Alam Alam Alam Alam Alam
Include prepositional phrase Eliminate double negatives Use noun-pronoun agreement Use commas in series, dates, and addresses Incorporate adjectives and adverbs Use correct spelling for frequently used words Use singular possessives Understand and use the editing process Develop handwriting 4th Grade: So Explains how the people and events of the past have influed the Grade POS Interpret artifacts & source documents to understand events in history Determine cause and effect relationships (as related to	 Develop linguistic competency Develop linguistic competency Deve
Include prepositional phrase Eliminate double negatives Use noun-pronoun agreement Use commas in series, dates, and addresses Incorporate adjectives and adverbs Use correct spelling for frequently used words Use singular possessives Understand and use the editing process Develop handwriting 4th Grade: So Explains how the people and events of the past have influed 4th Grade POS Interpret artifacts & source documents to understand events in history Determine cause and effect relationships (as related to history)	 Develop linguistic competency Develop linguistic competency <

(purpose, point of view, implications/consequences, evidence/data, inferences, concepts/ideas, assumptions Make connections between past and present Analyze historical issues using elements of reasoning (purpose, point of view, implications/consequences, evidence/data, inferences, concepts/ideas, assumptions Understand and describes contributions to American history by individuals from diverse backgrounds Understand and appreciates the influence of individual experiences, societal values and traditions on historical perspectives Understand and appreciates the influence of individual experiences, societal values and traditions on historical perspectives Evaluate and discuss issues orally and in writing (as related to history) Use primary and secondary sources to interpret historical perspectives Evaluate and discuss issues orally and in writing (as related to history) Participate in debates about historical contributions variety of ways Describe how archaeologists found new info at Werowocomoco & Jamestown Explain the reasons for English colonization Describe hardships Jamestown settlers faced & changes for survival Describe hardships Jamestown settlers faced & changes for survival Describe hardships Jamestown settlers faced & changes for survival Describe hardships Jamestown settlers faced & changes for survival Describe hardships Jamestown settlers faced & changes for survival Describe hardships Jamestown settlers faced & changes for survival Understand the colonial period in Virginia and Colonial America with emphasis on political, economic and social systems that define the early English settlements Understand the colonial period in Virginia and Colonial Americans' interactions with the environment of Analyze historical situations for cause and effect relationships Understand the colonial period in Virginia and Colonial Americans' interactions with the environment of Analyze historical situations for cause and effect relationships Understand the colonial period in Virginia and Colonial A	history	Inurpose point of view implications/consequences
[quirpose, point of view, implications/consequences, evidence/data, inferences, concepts/ideas, assumptions Understand and describes contributions to American history point priority dividuals from diverse backgrounds Understand and appreciates the influence of individual experiences, societal values and traditions on historical perspectives Sequence events in Virginia history Interpret ideas and events from different historical perspectives Evaluate and discuss issues orally and in writing (as related to history) Use primary and secondary sources to interpret historical perspectives Evaluate and discuss issues orally and in writing to history in variety of ways Organize/synthesize information on Virginia history in variety of ways Describe how archaeologists found new info at Werowocomoco & Jamestown Explain the reasons for English colonization Understand the colonial period in Virginia and Colonial America with emphasis on political, economic and social systems that define the early English settlements Identify key figures in American history and their influence Describe hardships Jamestown settlers faced & changes for survival Describe hardships Jamestown settlers faced & changes for survival Describe how Colonial Virginia reflected the cultures of all residents Describe how Colonial Virginia reflected the cultures of all residents Identify the various roles of Virginians in the Revolutionary way Era Identify the various roles of Virginians in the Revolutionary Revolution Explain phrases referring to George Washington and James Madison Udentify key events in Virginia during the American Revolution Explain phrases referring to George Washington and James Madison Udentify key events and differences between Northern and Southern states Describe Virginia's role in the Civil War including the major Explain the cause and effect relationship of key events during the Civil War era Explain the cause and effect relationship for the	Tilstory)	evidence/data, inferences, concepts/ideas,
Substitution	Make connections between past and present	 Analyze historical issues using elements of reasoning (purpose, point of view, implications/consequences, evidence/data, inferences, concepts/ideas, assumptions Understand and describes contributions to American history by individuals from diverse backgrounds Understand and appreciates the influence of individual experiences, societal values and traditions on
Perspectives Evaluate and discuss issues orally and in writing (as related to history) Evaluate and discuss issues orally and in writing (as related to history) Evaluate and discuss issues orally and in writing through seminars and debate Analyze historical situations for cause and effect relationships	Sequence events in Virginia history	
through seminars and debate Analyze historical situations for cause and effect relationships Participate in debates about historical contributions Participate in debates about historical contributions for cause and effect relation	· ·	
Describe how archaeologists found new info at Werowocomoco & Jamestown Explain the reasons for English colonization Identify importance of the arrival of Africans & women to Jamestown Describe hardships Jamestown settlers faced & changes for survival Describe interactions between the English settlers & native peoples Describe the influence of prominent English people Describe how Colonial Virginia reflected the cultures of all residents Describe how Colonial Virginia reflected the cultures of all affecting the various roles of Virginians in the Revolutionary war Era Identify key events in Virginia during the American Explain the cause and effect relationship of key events and differences between Northern and Southern states Describe Virginia's role in the Civil War including the major Punderstand the colonial period in Virginia and Colonial America with early English settlers and Native Americans' interactions with the environment Punderstand the colonial period in Virginia and Colonial America with emphasis on political, economic and social systems that define the early English settlements Palayze the causes and circumstances surrounding the growing hostility between Virginia and Great Britain Explain the cause and effect relationship of key events during the Civil War era Describe Virginia's role in the Civil War including the major Evaluate the cause and effect relationship from the		through seminars and debateAnalyze historical situations for cause and effect
Explain the reasons for English colonization Explain the reasons for English colonization Understand the colonial period in Virginia and Colonial America with emphasis on political, economic and social systems that define the early English settlements Identify importance of the arrival of Africans & women to Jamestown Describe hardships Jamestown settlers faced & changes for survival Describe interactions between the English settlers & native peoples Describe the influence of prominent English people Describe the influence of prominent English people Describe how Colonial Virginia reflected the cultures of all residents Describe the various roles of Virginians in the Revolutionary War Era Identify the various roles of Virginia during the American Revolution Explain phrases referring to George Washington and James Madison Describe Virginia's role in the Civil War including the major Pevaluate the cause and effect relationship from the Pull of the various and effect relationship of key events during the cause and effect relationship of key events during the Civil War era Pescribe Virginia's role in the Civil War including the major Explain the cause and effect relationship from the		Participate in debates about historical contributions
America with emphasis on political, economic and social systems that define the early English settlements Identify importance of the arrival of Africans & women to Jamestown Describe hardships Jamestown settlers faced & changes for survival Describe interactions between the English settlers & native peoples Describe interactions between the English settlers & native peoples Describe the influence of prominent English people Describe the influence of prominent English people Describe how Colonial Virginia reflected the cultures of all residents Describe the various roles of Virginians in the Revolutionary War Era Identify the various roles of Virginia during the American Revolution Explain phrases referring to George Washington and James Madison Identify events and differences between Northern and Southern states Describe Virginia's role in the Civil War including the major America with emphasis on political, economic and social systems that define the early English settlements Explain the cause and effect relationship of key events during the American Revolution Explain the cause and effect relationship of key events during the Civil War era Explain the cause and effect relationship from the	the contract of the contract o	
Jamestown Describe hardships Jamestown settlers faced & changes for survival Describe interactions between the English settlers & native peoples Describe interactions between the English people Describe the influence of prominent English people Describe how Colonial Virginia reflected the cultures of all residents Describe how Colonial Virginia reflected the cultures of all residents Describe the various roles of Virginians in the Revolutionary War Era Identify the various roles of Virginia during the American Revolution Explain phrases referring to George Washington and James Madison Describe Virginia's role in the Civil War including the major influence Identify importance of Jamestown Analyze historical situations for cause and effect relationships Compare and contrast the settlers and Native Americans vith the environment Posmare Americans' interactions with the environment Outperstand the colonial period in Virginia and Colonial America with emphasis on political, economic and social systems that define the early English settlements Analyze the cause and circumstances surrounding the growing hostility between Virginia and Great Britain Explain the cause and effect relationship of key events during the American Revolution Explain the cause and effect relationship of key events during the Civil War era Explain the cause and effect relationship form the	Explain the reasons for English colonization	America with emphasis on political, economic and social systems that define the early English
 Analyze historical situations for cause and effect relationships Compare and contrast the settlers and Native Americans' interactions with the environment Describe the influence of prominent English people Analyze historical situations for cause and effect relationships Understand the colonial period in Virginia and Colonial America with emphasis on political, economic and social systems that define the early English settlements Identify the various roles of Virginians in the Revolutionary War Era Analyze historical situations for cause and effect relationships Understand the colonial period in Virginia and Colonial America with emphasis on political, economic and social systems that define the early English settlements Analyze the causes and circumstances surrounding the growing hostility between Virginia and Great Britain Explain the cause and effect relationship of key events during the American Revolution Explain the cause and effect relationship of key events during the Civil War era Explain the cause and effect relationship from the 		, , , ,
Describe the influence of prominent English people Describe the influence of prominent English people Describe how Colonial Virginia reflected the cultures of all residents Describe how Colonial Virginia reflected the cultures of all America with emphasis on political, economic and social systems that define the early English settlements Identify the various roles of Virginians in the Revolutionary War Era Identify key events in Virginia during the American Revolution Explain phrases referring to George Washington and James Madison Identify events and differences between Northern and Southern states Describe Virginia's role in the Civil War including the major Americans' interactions with the environment Analyze historical situations for cause and effect relationships Understand the colonial period in Virginia and Colonial America with emphasis on political, economic and social systems that define the early English settlements Analyze historical situations for cause and effect relationship and Colonial America with emphasis on political, economic and social systems that define the early English settlements • Analyze historical situations for cause and Colonial America with emphasis on political, economic and social systems that define the early English settlements • Analyze historical situations for cause and effect relationship from the		Analyze historical situations for cause and effect
Describe how Colonial Virginia reflected the cultures of all residents • Understand the colonial period in Virginia and Colonial America with emphasis on political, economic and social systems that define the early English settlements Identify the various roles of Virginians in the Revolutionary War Era Identify key events in Virginia during the American Revolution Explain phrases referring to George Washington and James Madison Identify events and differences between Northern and Southern states Describe Virginia's role in the Civil War including the major • Evaluate the cause and effect relationship from the		·
America with emphasis on political, economic and social systems that define the early English settlements Identify the various roles of Virginians in the Revolutionary War Era • Analyze the causes and circumstances surrounding the growing hostility between Virginia and Great Britain Identify key events in Virginia during the American Revolution Explain the cause and effect relationship of key events during the American Revolution Explain phrases referring to George Washington and James Madison Identify events and differences between Northern and Southern states Describe Virginia's role in the Civil War including the major Evaluate the cause and effect relationship from the	Describe the influence of prominent English people	
War Era Identify key events in Virginia during the American Revolution Explain phrases referring to George Washington and James Madison Identify events and differences between Northern and Southern states Describe Virginia's role in the Civil War including the major growing hostility between Virginia and Great Britain Explain the cause and effect relationship of key events during the Cause and effect relationship of key events during the Civil War era Explain the cause and effect relationship of key events during the Civil War era Explain the cause and effect relationship from the		America with emphasis on political, economic and social systems that define the early English settlements
Revolution Explain phrases referring to George Washington and James Madison Identify events and differences between Northern and Southern states Describe Virginia's role in the Civil War including the major during the American Revolution • Explain the cause and effect relationship of key events during the Civil War era • Evaluate the cause and effect relationship from the		
Madison Identify events and differences between Northern and Southern states Describe Virginia's role in the Civil War including the major • Explain the cause and effect relationship of key events during the Civil War era • Evaluate the cause and effect relationship from the		
Southern states during the Civil War era Describe Virginia's role in the Civil War including the major • Evaluate the cause and effect relationship from the		
	·	
		·

^{4&}lt;sup>th</sup> Grade Parent Information: 2013-2014

Describe the varied roles played by Virginians during the Civil War	 Identify key figures in American history and their influence
Identify the impact of Virginians - Woodrow Wilson & George Marshall	 Identify key figures in American history and their influence
Identify VA citizens who made political/social/economic contributions	 Identify key figures in American history and their influence
Describe the history of the people of Fairfax County	Describe how human systems change over time based on the needs, resources, and circumstances
Reads maps and understands the impact of geography on o	culture
4 th Grade POS	AAP 4 th Grade Extensions
Analyze & interpret maps to explain relationships to historical events	
Locate Virginia and its bordering states on maps of the U.S.	
Locate and describe Virginia's five regions	
Locate/identify water features important to early history of Virginia	Develop an understanding of how physical and human characteristics defined daily life in early Virginia history
Locate three American Indian language groups on a map of Virginia	
Describe how American Indians adapted to their climate	Investigate Native Americans' interactions with the
and environment	environment
Identify and locate the current state-recognized tribes	
Describe how geography influenced the decision to settle at Jamestown	Describe how survival is influenced by adaptations from the environment
Explain reasons for the relocation of Virginia's capital	
Explain the influence of geography on the migration of Virginians	Develop an understanding of how physical and human characteristics define migration for Virginians
Describe and locate past events in the history of Fairfax County	
Recognizes the structure of government and the relationsh	ip between rules, laws and becoming a good citizen
4 th Grade POS	AAP 4 th Grade Extensions
Determine cause and effect relationships (as related to civics)	Develop an understanding of the concept of systems and of structure, function, and pattern as key system elements
Draw conclusions and make generalizations (as related to civics)	
Evaluate and discuss issues orally and in writing (as related to civics)	
Identify importance of the Charters of the Virginia Company of London	
Identify importance of the General Assembly (1619)	
Identify reasons why colonies went to war with Great Britain	
Identify the ideas of George Mason and Thomas Jefferson	Identify the implications of the ideas of George Mason and Thomas Jefferson
Identify the effects of segregation and "Jim Crow" on life in Virginia	
Identify the events linked to desegregation and massive	

^{4&}lt;sup>th</sup> Grade Parent Information: 2013-2014

resistance	
Identify the three branches of Virginia government & function of each	Analyze the three branches of Virginia government and the function of each
Analyze economic and governmental features of Fairfax County	
Understands economic concepts and the impact of economics on culture	
4 th Grade POS	AAP 4 th Grade Extensions
Explain the importance of agriculture and its influence on slavery	
Describe how money, barter and credit were used in the Virginia colony	Describe how producers have used natural, human and capital resources in the past and present
Describe everyday life in colonial Virginia	
Identify the effects of reconstruction on life in Virginia	Explain the cause and effect relationship of reconstruction
Describe importance of railroads, new industries & growth of cities	
Describe the economic/social transition from a rural society to urban	
Describe the major products & industries of Virginia's five regions	
Explain advances in transportation, communications and technology	Describe how economic need can lead to the advancement in transportation and communication systems
Analyze economic and governmental features of Fairfax County	

Mathematics

Extensions in Mathematics:

...:.....

- Build new mathematical knowledge through problem solving
- Solve problems that arise in mathematics and in other contexts
- Apply and adapt a variety of appropriate strategies to solve problems
- Monitor and reflect on the process of mathematics problem solving
- Make and investigate mathematical conjectures
- Develop and evaluate mathematical arguments
- Organize and consolidate mathematical thinking through communication
- Communicate mathematical thinking coherently to teachers and peers
- Analyze and evaluate the mathematical thinking and strategies of others
- Use the language of mathematics to express mathematical ideas precisely
- Recognize and use connections among mathematical ideas
- Recognize and apply mathematics in contexts outside of mathematics
- Create and use representations to organize, record, and communicate mathematical ideas
- Select, apply, and translate among mathematical representations to solve problems
- Use representations to model and interpret mathematical phenomena

Represents numbers accurately and demonstrates an understanding of number relationships

4th Grade AAP POS

Round decimals to nearest whole number, tenth, or hundredth

Recognize/name fractions in equivalent decimal form and vice versa

Compare and order a given set of decimals and fractions

Identify and describe characteristics of prime and composite numbers

^{4&}lt;sup>th</sup> Grade Parent Information: 2013-2014

Identify and describe characteristics of even and odd numbers

Computes numbers with fluency and makes reasonable estimates

4th Grade AAP POS

Create and solve problems involving operations with whole numbers

Find sum/difference/product/quotient involving decimals

Create & solve practical problems involving decimals

Solve problems with addition/subtraction of fractions/mixed numbers

Evaluate whole number expressions using order of operations

Measures with accuracy and makes reasonable estimates of measurements

4th Grade AAP POS

Find perimeter, area, and volume in standard units of measure

Differentiate among perimeter, area, and volume

Identify equivalent measurements within the metric system

Estimate and then measure to solve problems

Choose an appropriate unit of measure for a given situation

Identify & describe diameter/radius/chord/circumference of a circle

Determine an amount of elapsed time in hours and minutes

Measure right, acute, obtuse, and straight angles

Analyzes characteristics and properties of geometric figures and demonstrates an understanding of spatial relationships

4th Grade AAP POS

Classify angles as right, acute, obtuse, or straight

Classify triangles by angles and by sides

Develop definitions of specified plane figures

Investigate/describe results of combining/subdividing plane figures

Uses data to describe, interpret, and predict events

4th Grade AAP POS

Predict the likelihood of an outcome of a simple event

Represent probability as a number between 0 and 1, inclusive

Collect, organize, display, and interpret data

Describe mean as fair share

Find the mean, median, mode, and range of a set of data

Describe the range of a set of data as a measure of variation

Represents situations and mathematical relationships using algebraic symbols

4th Grade AAP POS

Describe/express the relationship found in a number pattern

Investigate and describe the concept of variable

Write an open sentence to represent a mathematical relationship

Model one-step linear equations in one variable

Create a problem situation based on a given open sentence

Investigate and recognize the distributive property

4th Grade: Science

Investigates & demonstrates understanding of the natural world in a systematic way like a scientist & applies these skills & knowledge to solve problems.

4th Grade POS

AAP 4th Grade Extensions

Understand observations, conclusions, inferences and predictions	 Analyze experimental data as appropriate Transfer knowledge to make predictions about similar problems Provide evidence and data to support a claim/issue Formulate multiple perspectives about a given issue Make inferences based on evidence
Classify and arrange objects/events according to characteristics	
Select appropriate instruments to measure length, volume, mass, and temperature	Collect, record, and report data using appropriate metric measures
Select and use appropriate instruments to measure elapsed time	
Make predictions and inferences & draw conclusions based on data	 Make predictions using data from picture, bar, and basic line graphs Analyze experimental data as appropriate Provide evidence and data to support a claim issue Predict the impact of multiple solutions to the given problem within each system
Identify independent and dependent variables	
Identify constants in an experimental situation	Define which variables must be held constant in an experiment
Develop hypotheses based on cause and effect relationships	Formulate multiple perspectives about a given issueMake inferences based on evidence
Collect, record, analyze & display data using bar & basic line graphs	 Make predictions using data from picture, bar, and basic line graphs Analyze experimental data as appropriate Draw implications for action based on the available data
Recognize contradictory/unusual numerical data in experimental results	Draw implications for action based on the available data
Communicate data with graphs, pictures, written	Articulate enhanced understanding of the scientific
statements, numbers	area to others
Construct models to clarify, demonstrate, and solve	
Use current applications to reinforce science concepts	Transfer knowledge to make predictions about similar problems Proving lighting for action based on the available.
	Draw implications for action based on the available data Describe how scientists study and track burriegness.
Domonetrates understanding of the consents of abovious	Describe how scientists study and track hurricanes The scientists study and track hurricanes The scientists force matter force matter.
Demonstrates understanding of the concepts of physical science including matter, force, motion, & energy.* The overarching extension for the physical science unit is to acquire significant content knowledge through the course of solving an interdisciplinary, real-world problem.	
4 th Grade POS	AAP 4 th Grade Extensions
	AAI 4 GIAGE EAGISIOIIS
Understand that motion is described by an object's direction and speed	
Understand that changes in motion are related to force and mass	
Understand that friction is a force that opposes motion	
Understand that moving objects have kinetic energy	
Investigate and understand conductors and insulators	

^{4&}lt;sup>th</sup> Grade Parent Information: 2013-2014

Investigate and understand basic circuits (open/closed, parallel/series) Investigate and understand static electricity Understand that electrical energy can be transformed into light and motion, and to produce heat Investigate and understand simple electromagnets and magnetism Describe historical contributions in understanding	 Investigate the behavior of electrical circuits and the nature of electricity and its generation Describe the flow of electricity in circuit Read and create simple circuit designs Determine whether a circuit is complete or incomplete, either by reading a diagram or by devising a method by which to test the circuit directly
electricity	including life processes and living systems
Demonstrates understanding of the concepts of life science 4 th Grade POS	AAP 4 th Grade Extensions
Understand the structures of typical plants and the function of each structure	AAP 4 Grade Extensions
Understand processes and structures involved with plant reproduction	
Investigate and understand photosynthesis	
Understand that adaptations allow plants to meet life needs and respond to environment	
Investigate and understand plant and animal adaptations	
Understand the organization of populations, communities, and ecosystems	 Demonstrate how given systems interact with each other Assess how systems change over time based on needs, resources, and circumstances Analyze the interactions of various system components with each other and the input into the system
Investigate and understand the flow of energy through food webs	Analyze a problem system and certain related systems
Investigate and understand habitats and niches	 Analyze a problem system and certain related systems Assess how systems change over time based on needs, resources, and circumstances Analyze the interactions of various system components with each other and the input into the system
Understand changes in an organism's niche at stages in the life cycles	
Understand the influence of human activity on ecosystems	 Analyze a problem system and certain related systems Demonstrate how given systems interact with each other Assess how systems change over time based on needs, resources, and circumstances Analyze the interactions of various system components with each other and the input into the system
Understand that Virginia has a great variety of animals and	

plants	
Demonstrates understanding of Earth's patterns, cycles, ch	anges, & Earth/Space systems
4 th Grade POS	AAP 4 th Grade Extensions
Investigate and understand weather phenomena	
Understand weather measurements and meteorological tools	Collect and interpret weather data in the community
Understand use of weather measurements/phenomena to make predictions	Investigate how global patterns of atmospheric movement influence weather
Investigate and understand the planets in the solar system	Understand the dynamic system of earth and space
Understand the order of the planets in the solar system	
Understand the relative sizes of the planets	
Understand the motions of the Earth, moon and sun	Investigate the interdependent nature of the Earth, moon and sun
Understand the causes for the Earth's seasons	Investigate the cyclical nature of seasons
Understand the causes for the phases of the moon	Understand the dynamic system of earth and space
Understand characteristics of the Earth, moon and sun	 Understand how energy gets from the sun to the Earth Explain the effect of erosion on the environment Describe events that occur during the process of erosion
Understand historical contributions to the Earth-Moon- Sun system	 Recognize human contributions to Earth's resources Recognize the difference between greenhouse effect and global warming
Understand that Virginia has many watersheds and water resources	
Understand that Virginia has minerals, rocks, ores and energy sources	
Recognize that Virginia has a great variety of forests, soil and land	

4th Grade: Health

Demonstrates an understanding of concepts and behaviors that reduce health risks and enhance health

4th Grade POS

Identify the nutrients needed for proper brain functioning

Identify the importance of balance, variety, and moderation in a meal plan.

Identify and describe the effects of malnutrition.

Describe the impact of nutrients on growth and development.

Describe the impact of fats, carbohydrates, and proteins on physical performance.

Identify and demonstrate development of refusal skills

Identify the importance of reporting and describe characteristics of bullying and aggressive behaviors.

Identify and describe the importance of developing coping skills.

Describe the characteristics of harmful or abusive relationships.

Explain the importance of practicing self-control.

Explain the impact of alcohol, inhalants, tobacco, and drug use on self, family, and community

Describe the short-term and long-term consequences of drug use

Identify reasons why acts of violence and the use of weapons can be related to use of alcohol and other drugs.

Identify and describe laws related to illegal alcohol and tobacco use.

^{4&}lt;sup>th</sup> Grade Parent Information: 2013-2014

identify how the body defends itself against illness and disease

Identify types of germs, and describe how they are spread to include; viruses, bacteria, and fungi

Explain the differences between communicable and non-communicable diseases.

Identify the importance of early detection of health problems.

Explain the role of regular physical activity, good nutrition, and healthy choices.

* Human Growth and Development Unit -Students are not graded in this unit. Parents/guardians may opt their student(s) out of any or all Family Life Education (FLE) lessons, including Human Growth and Development.

Recognize the physical changes that occur during puberty and relate these changes to the increased need for personal hygiene.

Demonstrates ability to access and evaluate health-related information

4th Grade POS

Identify opportunities to use health care agencies, printed materials, broadcasts media, internet, and audiovisual materials

Describe the differences between accurate and inaccurate health information

Demonstrates knowledge of appropriate health practices/behaviors to promote a safe and healthy community

4th Grade POS

Describe that it is a personal responsibility to exhibit healthy practices within the school and community setting.

Identify the benefits of volunteerism

Identify obstacles and solutions to communication

Explain the importance of seeking assistance from a trusted adult when in unsafe or uncomfortable situations

*Emotional and Social Health Unit – Parents or guardians may choose to opt their child out of any or all lessons in the ESH Unit. Health grades will include these lessons.

Identify basic emotional, mental, and social needs and develop strategies to meet those needs*

Identify and explore personal strengths and weaknesses*

Identify the need to assume greater responsibility for self as an individual, as well as responsibility within family, peer groups, and larger community*

Identify basic human emotions and effective ways of dealing with them*

Develop an awareness of individual differences and the importance of respecting others*

Recognize the values and challenges of friendship*

Art

Engages in the creative process to develop artworks

Develops ideas for artworks before beginning

Follows appropriate steps in art making

Uses art materials safely and appropriately

Reflects on art and art making by describing and explaining own artwork

Uses art media and techniques appropriately to produce artworks

Uses a variety of art materials to produce artwork

Demonstrates control and craftsmanship with art materials

Express meaning in artworks in a variety of ways

Expresses personally relevant ideas in artworks

Depicts a range of subject matter in artworks

Uses and applies knowledge from other subject areas when creating artwork

Applies an understanding of art history, culture, criticism, and aesthetics when making and discussing artwork

Engages in discussions about artworks from different places and time to inform art making

Responds to own and other's artwork

4th Grade Parent Information: 2013-2014

Uses art vocabulary appropriately to identify and describe artwork

Physical Education

Performs movement skills and patterns in physical activities

Performs movement skills in modified games and activities

Moves to a rhythm

Performs movement sequences that combine four or more movements

Demonstrates knowledge and use of concepts and principles to improve movement skills

Demonstrates knowledge of movement principles and concepts

Demonstrates basic game strategies

Uses movement principles to improve performance and gives feedback to others

Demonstrates the knowledge and skills necessary for a health-enhancing level of personal fitness

Identifies the components of health-related fitness

Determines personal fitness goals using fitness test data

Applies FITT principle; (Frequency, Intensity, Time, Type) to personal fitness goals

Demonstrates knowledge and skills that ensure safe participation in physical activity settings

Works productively and respectfully with others

Demonstrates and applies conflict resolution skills

Demonstrates appropriate etiquette, rules, and procedures

Identifies contributions of cultures in sport, dance, and recreation

Demonstrates knowledge and strategies for living a physically active lifestyle

Identifies opportunities to participate in activities at school, home, and in the community

Music

Demonstrates appropriate singing skills

Sings accurately and with proper technique

Demonstrates appropriate skills playing instruments

Plays instruments accurately and with proper technique

Performs rhythmic patterns, melodies, and accompaniments

Responds to music with movement

Demonstrates the steady beat

Moves to music in structured/unstructured dances and action songs

Demonstrates appropriate skills in composing and improvising

Composes rhythmic patterns and melodies using traditional and nontraditional notation

Improvises rhythmic patterns, melodies, and harmonies; instrumentally, vocally, and physically

Demonstrates appropriate skills in music literacy

Sight-sings intervals and rhythmic patterns

Reads and notates music using traditional symbols

Analyzes music of diverse styles, periods, and cultures

Applies appropriate listening skills

Recognizes and discusses various musical attributes

Evaluates the quality of own and other's performances

Band and Strings

Demonstrates appropriate skills playing selected instruments

4th Grade Parent Information: 2013-2014

Demonstrates correct body and hand positions, finger patterns, articulations, and tone production

Demonstrates appropriate ensemble skills

Demonstrates creativity in performance

Demonstrates appropriate phrasing, expression, and artistry

Improvises using teacher-specified parameters

Composes melodies using teacher-specified musical elements

Demonstrates appropriate skills in music literacy

Reads and writes music with different rhythmic patterns and meters

Identifies different key signatures

Applies appropriate listening skills

Demonstrates the ability to appropriately match tone, intonation, and volume with others

World Languages

Communicates in the target language

Asks and answers questions using simple sentences

Writes phrases and simple sentences

Uses language independently some of the time

Gains knowledge and understanding of other cultures

Identifies and compares items and customs used by people in the countries studied to their own culture

Connects to other disciplines and acquires content information in the target language

Extends and reinforces material studied in other content areas

Investigates different cultural points of view

Begins to use language as a tool to seek information

^{4&}lt;sup>th</sup> Grade Parent Information: 2013-2014