

# Washburn Elementary Curriculum: 5<sup>th</sup> Grade

## Quarter 1

### English Language Arts

- Read and comprehend grade level texts with purpose, accuracy, and fluency
- Vocabulary Development: Use context clues and rereading to understand unfamiliar words
- Apply capitalization, punctuation, and spelling skills to writing
- Summarize a text using main ideas
- Compare and contrast characters, settings, and events using specific details
- Explain the importance of chapters, scenes, stanzas, graphics, and images in a text
- Analyze how visuals and multi-media contribute to a text
- Compare and contrast the organizational structures in different informational texts
- Recognize, apply, and correct verb tenses (past, present, and future) including perfect verb tense (had, have, will have).
- Write a narrative text with an introduction, sequence of events, dialogue, descriptive and sensory details, concrete words, transitional words, and a conclusion
- Engage in discussions by drawing from prepared materials, following agreed upon rules and roles, elaborating on the remarks of others, reviewing ideas, and drawing conclusions
- Differentiate the use of dialect, word choice, and speech patterns based on the formality of the interaction in both speaking and writing

### Mathematics

- Recognize that a digit in one place, or place value, is ten times more than the place to its right and one tenth of its place to the left (5.NBT.1)
- Properties of Addition and Multiplication (Identity, Associative, Commutative)

### Science

- 5-ESS1-1 Support an argument that the apparent brightness of the sun and stars is due to their relative distances from Earth
- 5-ESS1-2 Represent data in graphical displays to reveal patterns of daily changes in length and direction of shadows, day and night, and the seasonal appearance of some stars in the night sky
- 5-PS1-3 Make observations and measurements to identify materials based on their properties
- 5-PS2-1 Support an argument that the gravitational force exerted by Earth on objects is directed down
- 5-ESS2-1 Develop a model using an example to describe ways the geosphere, biosphere, hydrosphere, and/or atmosphere interact
- 5-ESS2-2 Describe and graph the amounts and percentages of water and fresh water in various reservoirs to provide evidence about the distribution of water on Earth

### Social Studies

- SS.BH3.a.5 Investigate similarities and differences between cultures that may lead to understandings and misunderstandings
- SS.Geog1.c.4-5 Identify and construct regions (digital or paper) in the United States
- Construct maps, charts, and graphs using appropriate elements (i.e., date orientation, grid, scale, title, author, index, legend, situation)
- SS.Geog1.a.4-5 Summarize how location affects people, places, and environment.
- SS.Geog1.c.4-5 Create and label a map (paper or digital) of the states including both physical and human characteristics
- SS.Hist3.b.i Identify different historical perspectives regarding people and events in the past.

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| <ul style="list-style-type: none"><li>• <b>Explain patterns in whole numbers and decimals when multiplying by powers of ten (5.NBT.2)</b></li><li>• Represent powers of ten with exponents (5.NBT.2)</li><li>• <b>Read and write decimals to the thousandths place using standard form, word form, and expanded form, fraction form. (5.NBT.3a)</b></li><li>• <b>Compare decimals to the thousandths place using the symbols: &lt;, &gt;, = (5.NBT.3b)</b></li><li>• <b>Round decimals up to the thousandths place (5.NBT.4)</b></li><li>• <b>Fluently multiply multi-digit whole numbers using the standard algorithm (5.NBT.5)</b></li><li>• Solve and explain division equations up to four digit dividends and two digit divisors (5.NBT.6)</li></ul> | <ul style="list-style-type: none"><li>• SS.PS4.a.i Compile relevant information to form a political argument and taking other points of view into account.</li><li>• SS.PS4.b.5 Describe what influences different political attitudes and actions and how diverse groups can work towards consensus.</li><li>• <b>Differentiate between freedom, justice, equality, rights, responsibilities, and citizenship.</b></li><li>• Identify and describe basic human liberties (i.e., thought, expression, privacy)</li></ul> |
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## Quarter 2

### English Language Arts

- **Read and comprehend grade level texts with purpose, accuracy, and fluency**
- **Vocabulary Development:** Use synonyms and antonyms to understand unfamiliar words
- **Vocabulary Development:** Determine the meaning of words and phrases in informational texts including academic and subject-specific vocabulary
- **Apply capitalization, punctuation, and spelling skills to writing**
- **Summarize a text using main ideas**
- **Support an inference using exact words from a text**
- Determine the meaning of figurative language including metaphors, similes, idioms, adages, and proverbs
- Understand and use prepositions
- Understand and use interjections
- Learn conjunctions and correlative conjunctions (teach commas for conjunctions in 3<sup>rd</sup> quarter)
- Revise sentences by expanding, combining, and reducing
- Use appropriate language to enhance writing and speaking
- **Write an informational/explanatory text** with an introduction, sequence of events, dialogue, **descriptive and sensory details, concrete words**, transitional words, and a conclusion

### Mathematics

- **Solve addition and subtraction of decimals to the hundredths place. (5.NBT.7)**
- **Explain addition and subtraction of decimals to the hundredths place. (5.NBT.7)**
- **Solve multiplication of decimals to the hundredths place. (5.NBT.7)**

### Science

- 5-PS1-1 Develop a model to describe that matter is made of particles too small to be seen
- **5-PS1-2 Measure and graph quantities to provide evidence that regardless of the type of change that occurs when heating, cooling, or mixing substances, the total weight of matter is conserved**
- **5-PS1-3 Make observations and measurements to identify materials based on their properties**
- **5-PS1-4 Conduct an investigation to determine whether the mixing of two or more substances results in new substances**

### Social Studies

- SS.Econ3.b.5 Describe the role of money, banking, and savings in everyday life, including why people borrow money and the role of interest
- SS.PS2.a.i Investigate examples of rights and responsibilities, including the Declaration of Independence, Constitution, Bill of Rights, and the Universal Declaration of Human Rights, which individuals possess within the state, country, and world.
- SS.PS3.c.4-5 Classify the basic structures and functions of governments, and summarize basic powers of the government at the state and federal levels.
- SS.PS3.d.5 Provide examples of how different governments solve problems.
- **Differentiate between freedom, justice, equality, rights, responsibilities, and citizenship.**
- Identify and describe basic human liberties (i.e., thought, expression, privacy)

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| <ul style="list-style-type: none"><li>• <b>Explain multiplication of decimals to the hundredths place. (5.NBT.7)</b></li><li>• <b>Solve division of decimals to the hundredths place. (5.NBT.7)</b></li><li>• <b>Explain division of decimals to the hundredths place. (5.NBT.7)</b></li></ul> |  |
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## Quarter 3

### English Language Arts

- Read and comprehend grade level texts with purpose, accuracy, and fluency
- Use word families to understand unfamiliar words
- Apply capitalization, punctuation, and spelling skills to writing
- Summarize a text using main ideas
- Find evidence in the text to support an answer
- Use knowledge of letter sounds, syllables, and word parts to read unfamiliar words including phonics and decoding
- Describe how point of view affects a story
- Explain how people, events, ideas, or concepts are connected in a historical, scientific, or technical text
- Use information from different texts to write or talk about subjects
- Record titles with underlining, italics, and quotation marks appropriately
- Use commas correctly when using conjunctions
- Use commas in a series
- Use commas in the beginning of sentences (Finally, Although, However,)
- Use commas to set off the words yes/no, to separate a tag question from the rest of the sentence, and to indicate direct address (Yes, I would. It's true, isn't it? Are you sure, Jim?)
- **Create and publish a research paper** (at least 2 typed pages) using technology. Research different aspects of a topic **using several sources**, gather and **summarize** information, provide sources, use evidence from various texts to support ideas, and **paraphrase researched information**.

### Science

- 3-5ETS1-1 Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, times, or cost
- 3-5ETS1-2 Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem
- 3-5ETS1-3 Plan and carry out fair tests in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved

### Social Studies

- SS.BH4.a.i Classify technologies and discuss how they might change people's lives
- SS.Geog2.b.5 Investigate push and pull factors of movement in their community, state, country, and world.
- SS.Geog2.c.5 Describe population changes in their state and country over time.
- SS.Hist4.d.i Describe the impact of the point of view the author has on a primary or secondary source.
- SS.PS1.b.4-5 Summarize the contributions of historically significant people during the period of early United States history to the development of our political culture.
- Summarize the actions of people and groups that have advanced civil rights for individuals.
- **Differentiate between freedom, justice, equality, rights, responsibilities, and citizenship.**
- Identify and describe basic human liberties (i.e., thought, expression, privacy)

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- Present on a topic using facts, descriptive details, appropriate pacing and enunciation, and multi-media

### Mathematics

- **Add, subtract, and simplify fractions with unlike denominators, including mixed numbers, using equivalent fraction (5.NF.1)**
- **Solve and explain word problems involving addition and subtraction of fractions, including fractions with unlike denominators, with a variety of strategies (5.NF.2)**
- Solve and explain word problems involving division of whole numbers, which lead to answers in the form of fractions or mixed numbers (5.NF.3)
- Multiply a fraction or a whole number by a fraction and apply to greater contexts including the area of a rectangle (5.NF.4a, 5.NF.4b)
- Interpret and explain the multiplication of a fraction and a whole number by using number sense rather than solving the equation (5.NF.5)
- **Solve real world problems involving the multiplication of fractions and mixed numbers using a variety of strategies (5.NF.6)**
- **Solve real world problems involving the division of unit fractions by whole numbers and whole numbers by unit fractions using a variety of strategies (5.NF.7)**

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## Quarter 4

### English Language Arts

- **Read and comprehend grade level texts with purpose, accuracy, and fluency**
- **Use reference materials to understand unfamiliar words**
- **Apply capitalization, punctuation, and spelling skills to writing**
- **Summarize a text using main ideas**
- **Determine the theme or main idea of a text using key details**
- Identify, compare, and contrast different account of the same event or topic
- Find evidence from a text to support what the author believes or wants me to believe
- **Write an opinion piece** with an **introduction**, sequence of events, dialogue, descriptive and sensory details, concrete words, **transitional words**, and a **conclusion**
- Consider the purpose and audience when writing
- Write over different time frames for different purposes and audiences
- Create written work with an introduction, sequence of events, dialogue, descriptive and sensory details, concrete words, transitional words, paraphrased information, and a conclusion
- Summarize information presented orally and visually, drawing on examples and evidence

### Mathematics

- Solve and explain word problems using conversion of measurements within a system (5.MD.1)
- Create a line plot to display measurements in fractions of a unit (5.MD.2)
- **Find area and perimeter of a rectangle and combined rectangles.**
- **Determine volume using unit cubes (5.MD.3, 5.MD.4)**

### Science

- 5-PS3-1 Use models to describe that energy in animals' food (used for body repair, growth, motion, and to maintain body warmth) was once energy from the sun
- 5-LS1-1 Support an argument that plants get the materials they need for growth chiefly from air and water
- 5-LS2-1 Develop a model to describe the movement of matter among plants, animals, decomposers, and the environment
- 5-ESS2-2 Describe and graph the amounts and percentages of water and fresh water in various reservoirs to provide evidence about the distribution of water on Earth
- 5-ESS3-1 Obtain and combine information about ways individual communities use science ideas to protect the Earth's resources and environment

### Social Studies

- **SS.BH3.a.5 Investigate similarities and differences between cultures that may lead to understandings and misunderstandings**
- SS.Econ1.a.3 Categorize different limited resources (e.g., money, materials, time, labor/workers, land, natural resources, renewable or nonrenewable)
- **SS. Econ2.b.4-5 Asses the roles of consumers (demand), producers (supply), prices, non-price factors (e.g., drought or fad item), and competition in the product market.**
- SS.Econ4.b.4-5 Assess the role of economic institutions (e.g. banks, government) in helping individuals and society.
- Differentiate between private property (e.g., factories and homes) and public property (e.g., parks, public schools, and government buildings)
- SS.Econ4.d.5 Predict unintended costs and benefits for a given current event.

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| <ul style="list-style-type: none"><li>• <b>Determine the volume of real world objects using the formulas: <math>v = l \times w \times h</math> and <math>v = b \times h</math> (5.MD.5)</b></li><li>• <b>Determine the volume of two connected, non-overlapping rectangular figures by adding the volume formulas together (5.MD.5)</b></li><li>• Create and explain a graph with an x axis, y axis, and ordered pairs (5.G.1)</li><li>• Graph and explain ordered pairs in the first quadrant of a coordinate plane using real world contexts (5.G.2)</li><li>• Classify polygons and quadrilaterals by attributes understanding that they may fit into multiple categories (5.G.3, 5.G.4)</li><li>• Create and evaluate expressions including brackets, braces, and parentheses (5.OA.1)</li><li>• Explain the meaning behind numerical expressions (5.OA.2)</li><li>• Use a function table to generate numerical patterns with a given rule (5.OA.3)</li><li>• <b>Graph ordered pairs (5.OA.3)</b></li><li>• <b>Apply mathematical operations to real world situations.</b></li></ul> | <ul style="list-style-type: none"><li>• <b>SS.Geog1.a.4-5 Summarize how location affects people, places, and environment.</b></li><li>• SS.Geog3.a.5 Classify a provided set of resources as renewable or nonrenewable, and analyze the implications of both at the local, national, and global level.</li><li>• SS.Geog5.b.5 Examine how human actions modify the physical environment when using natural resources (renewable and nonrenewable).</li><li>• SS.Hist3.c.i Explain how historical events have possible implications on the present.</li><li>• <b>Differentiate between freedom, justice, equality, rights, responsibilities, and citizenship.</b></li><li>• Identify and describe basic human liberties (i.e., thought, expression, privacy)</li></ul> |
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