MATHEMATICS

By the end of Trimester 3, your child should:

Operations and Algebraic Thinking

- Know from memory all multiplication and division facts for numbers 0 - 10.
- Use multiplication and division to solve one- and two-step whole-number word problems, and explain what strategies he or she used and why.
- Find all factor pairs for numbers up to 100.

Number and Operations in Base Ten

- Know all whole number place values and be able to round numbers to any whole number place value.
- Compare multi-digit numbers using the words "greater than," "less than" and "equal to," and the symbols >, < and =.
- Add and subtract multi-digit numbers of any size.
- Multiply one-digit numbers by four-digit numbers and two-digit numbers by two-digit numbers.
- Divide four-digit numbers by one-digit numbers.

Number and Operations – Fractions

- Compare two fractions with different numerators and different denominators using the symbols >, < and =.
- Decompose fractions into sums of smaller fractions with the same denominator (ex: 3/8 = 1/8 + 1/8 + 1/8).
- Add and subtract mixed numbers with like denominators.
- Solve word problems involving addition and subtraction of fractions.
- Understand a fraction *a*/*b* as a multiple of 1/*b*.
- Multiple fractions by whole numbers.
- Solve word problems involving multiplying fractions by whole numbers.
- Use decimal notation for fractions with denominators of 10 and 100.

Measurement and Data

- Know relative sizes of units within a system of measurement and be able to express larger units in terms of smaller units.
- Organize, draw and interpret data, including measurements in fractions, using line plot graphs.
- Solve word problems using information presented in line plot graphs.

MATHEMATICS (continued)

Measurement and Data (continued)

- Measure angles in degrees using a protractor.
- Understand angle measurement as additive, and solve addition and subtraction problems to find unknown angles.

Geometry

- Draw points, lines, line segments, rays, angles, and parallel and perpendicular lines.
- Classify plane figures based on the presence or lack of parallel or perpendicular lines or the presence of absence of angles of specific sizes.

You can help you child develop in mathematics by continuing to review and reinforce fluency with multiplication and division fact families. You can also practice multiplication by skip counting by numbers 1 – 10 aloud together. Finally, as your child does his or her math homework each night, ask him/her to explain to you what he or she is doing and what strategies he or she is using to solve each problem.

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LENNOX SCHOOL DISTRICT

Grade 4

Trimester 3

Parent Guide to Standards-Based Learning

This guide provides a list of specific, standards-based academic goals for your child for the third trimester of 4th Grade. It outlines what your child should know and be able to do by the end of Trimester 3 in English Language Arts and Mathematics in order to meet the end-of-the-year expectations identified in the *California State Standards* for Grade 4.

These expectations are rigorous and reflect the knowledge and skills required to prepare students for future achievement, both in and out of school. Use this guide as a point of reference when reflecting on your student's Trimester 3 report card, and as we work together to make this year and every year a success for your child.

ENGLISH LANGUAGE ARTS

Reading

By the end of Trimester 3, your child should:

Fluency/Foundational Skills

- Apply phonics and word analysis skills in decoding words.
- Read end-of-grade-level texts orally with accuracy, fluency and understanding.

Literature and Informational Texts

- Refer to details in a story or informational text when answering questions or making inferences.
- Determine the theme or central message of a story or poem and the main idea of an informational text.
- Summarize a story or informational text.
- Describe characters, setting and events in a story in great depth, drawing on specific details in the text.
- Compare and contrast the points of view from which two different stories are told.
- Explain ideas, procedures and events in an informational text based on details in the text.
- Compare and contrast the overall structures of two different informational texts.
- Interpret information presented visually, quantitatively or orally, and explain how the information contributes to the understanding of the text in which it appears.
- Integrate information from two texts on the same topic to speak or write about the topic.

You can help your child develop in reading by making sure he or she reads quietly every evening for at least 25 minutes. You can help develop comprehension skills by asking questions about what he or she reads ("Who?" "What?" "When?" "Where?" and "Why?") and asking him/her to show you where in the text the answers come from, and by discussing the stories and articles he or she reads.

ENGLISH LANGUAGE ARTS

Writing

By the end of Trimester 3, your child should:

- Write multi-paragraph narratives using dialogue, descriptive details, transition words to show the order of events, and a conclusion that provides closure.
- Write multi-paragraph informative texts that introduce a topic, develop the topic with relevant facts, and include a conclusion.
- Write multi-paragraph opinion texts that introduce a topic, state an opinion, provide reasons that support the opinion, and include a conclusion.
- Draw evidence from literary and informational texts to support reflection, analysis and opinion.
- With support, edit and revise his or her own writing to make it better.

You can help your child develop in writing by having him/her keep a journal. Every day, ask your child to write for a few minutes in a special journal or notebook. He or she can write about his/her day, his/her plans for the future, or even write creative stories or poems.

Language (*Grammar* and *Conventions*)

By the end of Trimester 3, your child should:

- Always begin sentences with capital letters and end sentences with punctuation marks.
- Capitalize correctly and consistently.
- Use commas, apostrophes, quotation marks and other punctuation marks correctly.
- Use interrogative and relative pronouns, relative adverbs, and modal auxiliary verbs correctly.
- Write, expand and rearrange complete sentences (simple, compound and complex) and avoid fragments and run-ons.
- Use context clues to determine the meaning of unknown words.

ENGLISH LANGUAGE ARTS

Speaking and Listening

By the end of Trimester 3, your child should:

- Come to discussions prepared, having read or done required activities prior to the discussion.
- Participate in collaborative conversations with the teacher and other students about stories, texts and other topics.
- Take turns when speaking and listening, and build on the comments of others.
- Ask and answer questions about a topic being discussed or a text read out loud.
- Paraphrase portions of a text read aloud or information presented visually, quantitatively or orally in different medias.
- Plan, prepare and present short narrative presentations recounting an event and observations about the event.
- Plan, prepare and present short informative presentations on a topic, including key details.
- Speak loudly enough and clearly enough to be heard and understood by others.

You can help your child develop speaking and listening skills by having conversations with him/her. Take turns talking to your child and then listening to him/her. Ask him/her questions and give him/her time to respond, and then help him/her to ask you questions. You can also practice having your child follow multi-step directions, but have him/her repeat the steps back to you before beginning the task to make sure he or she understands all the steps. Always encourage your child to speak slowly, clearly, in a moderately loud voice, and to use complete sentences when he or she speaks.