

SAIL Power Standards by Course

#101 Ready to Go - Grade: Pre-K

Teacher: Courtney Aarhseim

- Pre-K Reading Standards for Foundational Skills [RF]: Print Concepts 1. With guidance and support, demonstrate understanding of the organization and basic features of printed and written text: books, words, letters, and the alphabet. a. Handle books respectfully and appropriately, holding them right-side-up and turning pages one at a time from front to back.
- Pre-K Speaking and Listening Standards [SL]: Presentation of Knowledge and Ideas Create representations of experiences or stories (e.g., drawings, constructions with blocks or other materials, clay models) and explain them to others.
- Counting and Cardinality PK.CC A. Know number names and the counting sequence. 1. Listen to and say the names of numbers in meaningful contexts.

#102 Summer Fun - Grade: Pre-K

Teacher: Alexia Pacheco

- Pre-K Math Standards: Counting and Cardinality PK.CC A. Know number names and the counting sequence.
- Pre-K ELA - Reading Standards: Listen to and engage actively as a wide variety of age-appropriate literature is read aloud. [R.L. MA 10 p.14]; Listen to, identify and manipulate language sounds to develop auditory discrimination and phonemic awareness. [R.F. MA 2, p. 20]
- Pre-K ELA - Speaking and Listening Standards: Participate actively in discussions, listen to ideas of others and ask and answer relevant questions. [S.L. MA 3, p.30]; Observe and use appropriate ways of interacting in a group. [S.L. MA 1, p.30]

#103 Summer Deep Dive - Grade: K

Teacher: Ginny Perriera

- Kindergarten Reading Standards for Informational Text (RI) Key Ideas and Details 1. With prompting and support, ask and answer questions about key details in a text. 2. With prompting and support, identify the main topic and retell key details of a text.
- Kindergarten Reading Standards for Foundational Skills (RF) Phonological Awareness 2. Demonstrate understanding of spoken words, syllables, and sounds (phonemes). a. Recognize and produce rhyming words. b. Count, pronounce, blend, and segment syllables in spoken words. c. Blend and segment onsets and rimes of single-syllable spoken words
- Measurement and Data B. Classify objects and count the number of objects in each category. 3. Classify objects into given categories; count the numbers of objects in each category (up to and including 10) and sort the categories by count.

#104 Summer Succcess - Grade: 1

Teacher: Marissa Hughes

- Kindergarten Reading Standards for Foundational Skills [RF]: Print Concepts 1. Demonstrate understanding of the organization and basic features of print.
- Kindergarten Reading Standards for Foundational Skills [RF]: Phonological Awareness: 2. Demonstrate understanding of spoken words, syllables, and sounds (phonemes).
- Counting and Cardinality K.CC: A. Know number names and the count sequence. & B. Count to tell the number of objects.

#105 Summer Strides - **Session A Only - Grades: 1-2**

Teacher: Scott Pease

- ELA and Literacy Standards: Reading Standards for Literature [RL]: Key Ideas and Details: Ask and answer questions about key details in a text.
- ELA and Literacy Standards: Reading Standards for Informational Text [RI]: Integration of Knowledge and Ideas: Identify basic similarities in and differences between two texts on the same topic.
- Grade 1 Content Math Standards: Operations and Algebraic Thinking - Add and subtract within 20.

#106 Eric Carle Author Study - Grades 1-2**Teacher:** Patricia Cooney

- ELA and Literacy Standards: Reading Standards for Literature [RL]: Key Ideas and Details: 3. Describe characters, settings, and major events in a story, using key details.
- ELA and Literacy Standards: Reading Standards for Literature [RL]: Integration of Knowledge and Ideas 7. Use illustrations and details in a story to describe its characters, setting, or events.
- Grade 1 Content Math Standards: Operations and Algebraic Thinking: 2. Solve word problems that call for addition of three whole numbers whose sum is less than or equal to 20, e.g., by using objects, drawings, and equations with a symbol for the unknown number to represent the problem.

#107 Learn, Create, & Grow - Grades: 1-2**Teacher:** Kate Oleson

- L.K.2 – Retell familiar stories, including key details.
- RL.1.3 – Describe characters, settings, and major events in a story using key details.
- K.CC.5 – Count to answer “how many?” questions about as many as 20 things.
- 1.OA.5 – Relate counting to addition and subtraction (e.g., by counting on 2 to add 2).

#108 Summer Spark! - Grades 3-4**Teacher:** Kristen Sunde

- Grade 3: Reading Standards for Literature [RL 1]- Ask and answer questions to demonstrate understanding of a text, referring explicitly to the text as the basis for the answers (grade 3)
- Grade 4: Reading Standards for Literature (RL3)- Describe in depth a character, setting, or event in a story or drama, drawing on specific details in the text (e.g., a character’s thoughts, words, or actions).
- Grade 3: Numbers and Operations in Base Ten 3.NBT- Use place value understanding and properties of operations to perform multi-digit arithmetic (grade 3)
- Grade 4: Operations and Algebraic Thinking 4.OA- Use the four operations with whole numbers to solve problems (grade 4)

#109 Island Adventure - Grades: 3-4**Teacher:** Sydney Swoish

- R.PK-12.7- Integrate and evaluate content presented in diverse media and formats, including visually and quantitatively, as well as in words. [Note: Please see "Research to Build and Present Knowledge" in Writing and "Comprehension and Collaboration" in Speaking and Listening.].
- SL.PK-12.1-Prepare for and participate effectively in a range of conversations and collaborations with diverse partners, building on others’ ideas and expressing their own clearly and persuasively.
- 4.OA.A.3- Solve multistep word problems posed with whole numbers and having whole-number answers using the four operations, including problems in which remainders must be interpreted. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies, including rounding.

#110 Summer Sports Squad - Grades 3-4**Teacher:** Lauren Harper

- Writing W.3.2 Write informative/explanatory texts to examine a topic and convey ideas and information clearly. a. Introduce a topic and group-related information together; include illustrations when useful to aiding comprehension. b. Develop the topic with facts, definitions, and details. c. Use linking words and phrases (e.g., also, another, and, more, but) to connect ideas within categories of information. d. Provide a concluding statement or section.
- Writing W.4.5 Develop and strengthen writing as needed by planning, revising, and editing. a. Demonstrate command of standard English conventions (as described in Language Standards 1–3 up to and including grade 4). b. Demonstrate the ability to use general academic and domain-specific vocabulary appropriately
- Operations and Algebraic Thinking 3.OA.3 Use multiplication and division within 100 to solve word problems in situations involving equal groups, arrays, and measurement quantities, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem
- Measurement and Data 4.MD.2 Use the four operations to solve word problems involving distances, intervals of time, liquid volumes, masses of objects, and money, including problems involving simple fractions or decimals, and problems that require expressing measurements given in a larger unit in terms of a smaller unit. Represent measurement quantities using diagrams such as number line diagrams that feature a measurement scale.

#111 Summer Novel Study: The One & Only Family - Grades: 4-5**Teacher:** Susan Swoish

- Reading Standards for Informational Text [RI]: Key Ideas and Details: Refer to details and examples in a text when explaining what the text states explicitly and when drawing inferences from the text 1.
- Production and Distribution of Writing: Range of Writing: Write routinely over extended time frames (time for research, reflection, and revision) and shorter time frames (a single sitting or a day or two) for a range of discipline-specific tasks, purposes, and audiences 10.
- Grade 4-5 Math Standards: Solve multi-step word problems posed with whole numbers and having whole-number answers using the four operations, including problems in which remainders must be interpreted. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding.

#112 Learning through Sports - Grades: 5-6**Teacher:** Mark Ponte

- ELA: Fluency 4. Read with sufficient accuracy and fluency to support comprehension. a. Read grade-level text with purpose and understanding. b. Read grade-level prose and poetry orally with accuracy, appropriate rate, and expression on successive readings. c. Use context to confirm or self-correct word recognition and understanding, rereading as necessary
- ELA: Writing 2. Write informative/explanatory texts to examine a topic and convey ideas and information clearly. a. Introduce a topic clearly, provide a general observation and focus, and group related information logically in paragraphs and sections; include text features (e.g., headings), illustrations, and multimedia when useful to aiding comprehension. b. Develop the topic with facts, definitions, concrete details, quotations, or other information and examples related to the topic. c. Link ideas within and across categories of information using words, phrases, and clauses (e.g., in contrast, especially). d. Use precise language and domain-specific vocabulary to inform about or explain the topic. e. Provide a concluding statement or section related to the information or explanation presented.
- Math: Statistics and Probability 6.SP A. Develop understanding of statistical variability. 1. Recognize a statistical question as one that anticipates variability in the data related to the question and accounts for it in the answers. For example, "How old am I?" is not a statistical question, but "How old are the students in my school?" is a statistical question because one anticipates variability in students' ages. 2. Understand that a set of data collected to answer a statistical question has a distribution, which can be described by its center (median, mean, and/or mode), spread (range, interquartile range), and overall shape. 3. Recognize that a measure of center for a numerical data set summarizes all of its values with a single number, while a measure of variation describes how its values vary with a single number.
- Math: Measurement and Data 6.MD A. Convert like measurement units within a given measurement system. 1. Convert among different-sized standard measurement units within a given measurement system (e.g., convert 5 cm to 0.05 m), and use these conversions in solving multi-step, real-world problems. B. Represent and interpret data. 2. Make a line plot (dot plot) to display a data set of measurements in fractions of a unit. Use operations on fractions for this grade to solve problems involving information presented in line plot (dot plot). For example, given different measurements of liquid in identical beakers, find the amount of liquid

#113 Creative Minds, Creative Writing - Grades: 5-6**Teacher:** Sonya Wilkinson

- Writing Standards [W]. 3a Write narratives to develop experiences or events using effective literary techniques, relevant descriptive details, and well-structured sequences. a. Engage and orient the reader by establishing a context and introducing a narrator and/or characters; organize an appropriate narrative sequence.
- Writing Standards [W]. 3d Use precise words and phrases, relevant descriptive details, figurative and sensory language, and techniques such as personification.
- Operations and Algebraic Thinking 5.OA: Use parentheses, brackets, or braces in numerical expressions, and evaluate expressions with these symbols.

#114 Living Creatures - Session A Only - Grades: 5-6**Teacher:** Tanya Bungert

- Grade 5 ELA and Literacy Standard: RI.5.2 Determine two or more main ideas of a text and explain how they are supported by key details; summarize the text. Determine the meaning of general academic and domain specific words or phrases in a text relevant to science.
- Grade 5 Math NF.A.1 Add and subtract fractions with unlike denominators (including mixed numbers) by replacing given fractions with equivalent fractions in such a way as to produce an equivalent sum or difference of fractions with like denominators.
- Grade 6 Writing Standards [W] Write narratives to develop experiences or events using effective literary techniques, relevant descriptive details, and well-structured sequences. a. Engage and orient the reader by establishing a context and introducing a narrator and/or characters; organize an appropriate narrative sequence. b. Use narrative techniques, such as dialogue, pacing, and description, to develop experiences, events, and/or characters. c. Use a variety of transition words, phrases, and clauses to convey sequence and signal shifts from one time frame or setting to another d. Use precise words and phrases, relevant descriptive details, figurative and sensory language, and techniques such as personification (e.g., “the fog crept in”) to convey exp
- Grade 6 Math Statistics and Probability 6.SP.A. Develop understanding of statistical variability. 1. Recognize a statistical question as one that anticipates variability in the data related to the question and accounts for it in the answers. For example, “How old am I?” is not a statistical question, but “How old are the students in my school?” is a statistical question because one anticipates variability in students’ ages. 2. Understand that a set of data collected to answer a statistical question has a distribution, which can be described by its center (median, mean, and/or mode), spread (range, interquartile range), and overall shape. 3. Recognize that a measure of center for a numerical data set summarizes all of its values with a single number, while a measure of variation describes how its values vary with a single number.

#115 Moving through Middle School Math - Session A Only - Grades: 6-8 Teacher: Jennifer Pease

- Grade 7 Number System 7.NS.A.1: Apply and extend previous understandings of addition and subtraction to add and subtract integers and other rational numbers, represent addition and subtraction on a horizontal or vertical number line.
- Grade 6 The Number System 6.NS.8: Solve real-world and mathematical problems by graphing points in all four quadrants of the coordinate plane. Include use of coordinates and absolute value to find distances between points with the same first coordinate or the same second coordinate.
- Grade 8 Speaking and Listening Standards [SL]: Comprehension and Collaboration 1: Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade level [topics], building on others’ ideas and expressing their own clarity.

#116 Smooth Sailing into 7th Grade - Grade: 7**Teacher:** Melanie Smeaton

- Grade 6 Reading, Key Ideas and Details, R.PK-12.1: Read closely to determine what a text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from a text.
- Grade 6 Reading, Key Ideas and Details, R.PK-12.3: Analyze how and why individuals, events, and ideas develop and interact over the course of a text.
- Grade 6 Math, The Number System, 6.NS.A.1: Interpret and compute quotients of fractions, and solve word problems involving division of fractions by fractions, e.g., by using visual fraction models and equations to represent the problem.
- Grade 6 Math, The Number System, 6.NS.B.4: Use prime factorization to find the greatest common factor of two whole numbers less than or equal to 100 and the least common multiple of two whole numbers less than or equal to 12. Use the distributive property to express a sum of two whole numbers 1–100 with a common factor as a multiple of a sum of two relatively prime numbers.
- Grade 6 Math, Expressions and Equations, 6.EE.A.2.c: Evaluate expressions at specific values of their variables. Include expressions that arise from formulas used in real-world problems. Perform arithmetic operations, including those involving whole-number exponents, in the conventional order when there are no parentheses to specify a particular order (Order of Operations).

#117 Smooth Sailing into 8th Grade - Grade: 8

Teacher: Faith Marrano

- ELA and Literacy Standards: Writing Standards [W] Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience
- Grade 8 Reading Standards for Literature (RL): Independently and proficiently read and comprehend literary nonfiction representing a variety of genres, cultures, and perspectives and exhibiting complexity appropriate for at least grade 8
- Grade 8 Expressions and Equations: Work with radicals and integers exponents
- Grade 8 Expressions and Equations: Analyze and solve linear equations and pairs of simultaneous linear equations.

#118 High School Summer Learning - Grades: 9-10

Teacher: Kelly Ochoa

- ELA: 1. Cite strong and thorough textual evidence to support analysis of what a text states explicitly as well as inferences drawn from the text.
- ELA: 2. Determine a central idea of a text and analyze its development over the course of the text, including how it emerges and is shaped and refined by specific details; provide an objective summary of a text.
- Math: 1. Understand solving equations as a process of reasoning and explain the reasoning.
- Math: 2. Perform arithmetic operations with complex numbers

Newly Added: #119 C-Squad Explorers - Session B Only - Grades: 1-2

Teacher: Caitlyn Coelho

- ELA and Literacy Standards: Reading Standards for Literature [RL]: 1. Key Ideas and Details: Ask and answer questions about key details in a text.
- ELA and Literacy Standards: Writing [W]: 3. Write narratives in prose or poem form that recount two or more appropriately sequenced events or experiences, include some details about what happened or was experienced, use temporal words to signal order where appropriate, and provide some sense of closure.
- Grade 1 Math Content Standards: Operations and Algebraic Thinking 1.OA A. Represent and solve problems involving addition and subtraction. 1. Use addition and subtraction within 20 to solve word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using objects, drawings, and equations (number sentences) with a symbol for the unknown number to represent the problem.
- Grade 2 Math Content Standards: Operations and Algebraic Thinking 2.OA B. Add and subtract within 20. 2. Fluently add and subtract within 20 using mental strategies. By end of grade 2, know from memory all sums of two single-digit numbers and related differences