



# VALLEY STREAM 13 SCHOOL DISTRICT

## Family Guide to 2nd Grade

October 2022

### **ENGLISH LANGUAGE ARTS : WONDERS**

Our English Language Arts curriculum emphasizes the connection between reading, writing, listening and speaking.

#### **Reading Readiness**

In 2nd Grade, students will develop the following skills:

- Identify a main topic/idea and retell key details in a text
- Summarize a text
- Demonstrate an understanding of story elements
- Make connections between self and text
- Distinguish long and short vowels
- Decode short and long vowel sounds in both one and two syllable words
- Read text appropriate for their level with sufficient accuracy and fluency

#### **Writing Readiness**

In 2nd Grade, students will develop the following skills:

- Write an opinion about a topic or personal experience
- Write an informational text using facts and other pertinent information
- Write a narrative text which recounts a real or imagined experience
- Create a response to a text

## Speaking and Listening Readiness

In 2nd Grade, students will develop the following skills:

- Build on others' talk in conversation by linking their comments to the remarks of others
- Consider individual differences when communicating with others
- Describe key ideas or details of diverse texts and formats
- Describe people, places, events with relevant details

## Mathematics: Math in Focus

In Grade 2, students focus on four key areas: (1) extending understanding of base-ten notation; (2) building fluency with addition and subtraction; (3) using standard units of measure; and (4) analyzing and classifying two dimensional shapes as polygons or non-polygons.

### Number and Operations in Base Ten Strand

- Extend understanding of the base-ten system. This includes ideas of counting in fives, tens, and multiples of hundreds, tens, and ones, as well as number relationships involving these units, including comparing.
- Understand multi-digit numbers (up to 1000) written in base-ten notation, recognizing that the digits in each place represent amounts of thousands, hundreds, tens, or ones (e.g., 853 is 8 hundreds + 5 tens + 3 ones).

### Operations and Algebraic Thinking and Numbers and Operations in Base Ten Strand

- Use understanding of addition to develop fluency with addition and subtraction within 100.
- Solve problems within 1,000 by applying understandings of models for addition and subtraction.
- Develop, discuss, and use efficient, accurate, and generalizable methods to compute sums and differences of whole numbers in base-ten notation.
- Work with equal groups of objects to gain foundations for multiplication.
- Understand place value and the properties of operations.
- Select and accurately apply methods that are appropriate for the context and the numbers involved to mentally calculate sums and differences for numbers with only tens or only hundreds.

## Measurement and Data Strand

- Recognize the need for standard units of measure (centimeter and inch).
- Use rulers and other measurement tools with the understanding that linear measure involves an iteration of units.
- Recognize that the smaller the unit, the more iterations needed to cover a given length.

## Geometry Strand

- Describe and classify shapes as polygons or non-polygons.
- Investigate, describe, and reason about decomposing and combining shapes to make other shapes.
- Draw, partition, and analyze two-dimensional shapes to develop a foundation for understanding area, congruence, similarity, and fractions in later grades.

## Required Fluencies in Grade 2

- Single-digit sums and differences
- Add and subtract within 100

## Mathematical Practices

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

## Science: Inspire Science

Inspire Science allows students to investigate, problem solve, and discuss scientific practices. It is designed using the 5E Instructional Framework, which includes engage, explore, explain, elaborate and evaluate.

## **Second Grade Units and Lessons Include:**

### *Properties of Matter*

- How do we describe matter?
- What are the properties of matter?
- What are the properties of liquids and gases?
- What materials are best for building a boat?

### *Changes to Matter*

- How can matter be arranged in different ways?
- What happens when you mix matter together?
- How do cooling and heating affect matter?

### *Earth's Surface*

- How can we describe Earth's Surface?
- What are Earth's oceans?
- Where is Earth's fresh water?

### *Plants and Their Needs*

- How do plants get help making new plants?

## **Social Studies: PNW Boces**

In second grade, students study “My Community and Other United States Communities.” There are four units of study—Active Citizenship, Rural, Urban, Suburbs, Geography of Communities and Change and Interdependence in Communities. These units are interdisciplinary to include English Language Arts and Literacy skills. Each unit helps students study urban, suburban, and rural characteristics. Students are also introduced to democratic principles and the resources within communities.

## **Second Grade Enduring Understandings Include:**

- Responsible citizens show support for their country and community by being patriotic and helping others.
- Citizens of a country have responsibilities. These include obeying laws, voting, and paying taxes.
- Rural, urban, and suburban communities have distinct characteristics but they also share many similarities.
- Geography influences the lifestyles of different communities.
- Maps help people understand the geography of their surroundings.
- Map skills help individuals read maps
- Communities change how they look and how they meet the needs of citizens over time.

- Communities have become more interdependent to help citizens meet their needs and wants.

## Health: The Great Body Shop

This health education curriculum is aligned to the National Health Education Standards. Every month students receive Student Issues which look like a health magazine.

### **2nd Grade Curriculum:**

#### *Injury Prevention & Personal Safety*

- Safe vs. unsafe
- Safety rules and laws
- Common hazards
- Emergencies: getting help, acting quickly
- Protecting the brain
- Acting responsibly
- Refusal skills
- Predicting consequences of safe and unsafe actions
- Practicing personal safety routines
- Types of touches

#### *Nutrition*

- Role of nutrients
- Number of daily servings from food groups
- Role of good breakfast
- Classifying and evaluating foods
- Making responsible food choices
- Nutrition and self worth
- Implementing goals
- Choosing healthful snacks
- Identifying influences on food choices

#### Functions of the Body

- Parts and functions of the brain
- Various ways to be smart
- Thinking skills
- Heart functions

- Muscles
- Skin
- Taking care of the body
- Effects of smoking
- Symptoms and effects of fear
- Immune system
- Body's reaction to drugs

### *Growth and Development/Cycle of Family Life*

- How babies grow and change
- Knowing the stages of life
- Needs of growing plants, animals, and people
- Defining family
- Family roles and respecting differences
- Responsibility in families
- Facing family changes
- Predicting consequences of resisting change
- Social awareness of differences
- Self awareness of traits

### *Disease & Illness Prevention*

- How germs spread
- Communicable vs. other illnesses
- Defining 'epidemic'
- Role of hygiene in illness prevention
- The immune system
- Responsible vs. irresponsible behaviors
- Vaccines and medicines
- Using refusal skills
- Practicing healthy behaviors
- Signs and symptoms of illness
- Medicine rules

### *Substance Abuse Prevention*

- Identifying drug types (nicotine, alcohol, street drugs)
- Knowing the importance of healthy choices
- Practicing changing habits
- Positive ways to solve problems
- Knowing the effects of drugs on family and community

- Drug-free and safe communities
- Refusal skills

### *Community Health and Safety (Violence Prevention)*

- Community helpers
- Knowing ways you might hurt others and how they might hurt you
- Practicing ways to avoid fights
- Classifying violent and non-violent TV
- Predicting consequences of various behaviors
- Defining what it means to be drug-free and a good citizen
- Bully prevention, teasing

### *Self Worth, Mental and Emotional Health*

- Identifying special qualities in self and others
- Respecting and having empathy for self and others
- How family changes affect feelings
- Coping with fear
- Real dangers
- Helping others
- Communicating
- Avoiding risky situations
- Developing positive character traits

### *Environmental and Consumer Health*

- Influences on health
- Environmental hazards and skin safety
- Sun damage and protection
- Rules for safe use of food and health care products
- Health/safety professionals and their services
- Second-hand smoke
- Advocacy
- Community health helpers

### *Physical Fitness*

- Benefits of exercise on the heart, muscles, and bones
- Injury prevention
- Muscle control
- Safety routines

- Rules for safe play
- Setting fitness goals
- Muscular impairments
- Types of physical activities
- Fitness pyramid

## Social, Emotional, Learning:

### **RULER Program and Responsive Classroom**

Valley Stream UFSD 13 has adopted the RULER philosophy, which is an evidence-based approach for social emotional learning. RULER—which is an acronym that stands for Recognizing, Understanding, Labeling, Expressing and Regulating emotions—helps students to identify their feelings using a mood meter and work together to build a positive culture and climate in classrooms. RULER provides students with tools that help them deal with challenging feelings by reacting in less impulsive ways. Teachers incorporate aspects of RULER into their daily lessons to help support students’ abilities to integrate thinking, feeling, and behaving in a fashion that promotes healthy outcomes.

In addition, Valley Stream UFSD 13 has implemented Responsive Classroom. The Responsive Classroom approach to teaching and learning fosters safe, challenging, and joyful learning environments. This approach consists of practical strategies that bring together academic and social-emotional learning throughout the day. It allows children to reach their full potential by involving them in decisions about curriculum, classroom organization, classroom management, and discipline.

## SPECIALS

In Second grade, students will attend Art, Music and Library once a week and Physical Education twice a week.

**Music: Melodic:** Further solfège exploration, Melodic phrasing **Meter:**

Experience and identify 2/4, 4/4, and 6/8 meter, Echo and decode rhythmic patterns

**Timbre:** Identify and play a variety of non-pitched percussion instruments, Exploring sound quality of the barred instruments **Form:**

Question and answer, Rounds, ABA Form **Other:** Perform simple *ostinati* to accompany chants and songs

## **Physical Education:**

- Locomotor skills and assessment (running, skipping, jumping, hopping, galloping and leaping)
- Spatial awareness and safety
- Fitness
- Visual motor coordination/bilateral integration
- Gross motor skills
- Developmental sports skills
- Cooperative partner and small group activities
- Health concepts

## **LIBRARY:**

Students will expand their repertoire of authors, illustrators, and genres such as folklore, Easy (Picture) books; chapter books, nonfiction, poetry, and biography. Students will listen to stories for details, predict outcomes, draw conclusions, and make inferences. Students will understand the sequence of the story and retelling skills will include a beginning, middle, and end. Students will be introduced to nonfiction book features, compare and contrast fiction and nonfiction. Students will be encouraged to read widely from a variety of diverse texts and a variety of genres to find out about self and the surrounding world. Students will compare and contrast books with similar themes. Review of the parts of the book with reinforce comprehension of author, illustrator, endpaper, title, cover, spine, spine label, title page, publisher, copyright and dedication. Students will routinely select easy (picture) and nonfiction books with independence, based on evaluation of cover, title, author, illustrations, subject, contents, difficulty/complexity of text based on recreational and informational needs. Online databases will be introduced as appropriate sources of information. Students will learn navigational tools and structure of resources.

## **Art:**

Second graders will continue to develop fine motor skills and observational skills. They will apply their knowledge of basic art concepts in works of art. This will include the classification of shapes and they will be introduced to the concept of overlapping and intersecting. Students will further their knowledge of color theory.

Students will develop the following skills:

- Collaboratively investigate solutions to an art problem.
- Encourage creativity and divergent thinking and use various media, tools and processes.

- Use a variety of resources to generate ideas for works of art.
- Elements and Principles of Art and Design
- Repurpose objects or materials to effectively communicate ideas.
- Build upon 2-D and 3-D skills: paint, paste, glue, fold, cut, rub, print, stamp, pinch, pull, squeeze, twist, pound, roll, tear, curl, assemble, model.

### **Innovation Lab:**

Each building boasts an Innovation Lab with a district-developed curriculum as well as supplemental activities for single-day visits to the lab. The district-developed curriculum allows students to spend four days in the lab, allowing them to discover, design, create, and build. Our K-1 students follow hands-on STEAM learning that align to their science curriculum, such as making instruments, while our 2nd-6th grade students investigate, build and code using LEGO WeDo. Activities for single day visits include using KEVA planks, Bee Bots for coding, 3D doodler pens, and LEGO train.