

Livonia Public Schools

FIRST GRADE ESSENTIAL CONTENT

Parent Guide

September 2016

Our curriculum is designed to provide on-going learning experiences which enable students to achieve these outcomes upon graduation:

- Acquire a core of understandings and competencies within the content areas
- Respect self, others, and the environment
- Use critical and creative thinking to make decisions and solve problems
- Know how to learn and work productively
- Work and participate independently and cooperatively
- Acquire and process information
- Communicate effectively



K-6 LIVING AND LEARNING

Acquiring and Using Information

Acquire information from a variety of sources.
Develop and use basic thinking skills.
Use critical and creative thinking to make decisions and solve problems.
Apply metacognitive skills to all thinking processes.

Personal Management/Ethics

Work productively to achieve learning.
Develop a positive attitude toward learning and work.
Demonstrate a commitment to personal and societal ethics.

Social Interaction

Communicate effectively to assist in group tasks.
Identify with the group.

K-2 PERCEPTUAL FOUNDATIONS

Develop spatial relations.
Develop visual perception.
Develop tactile perceptions.
Develop fine motor skills.

ART

Apply skills and knowledge to perform in the arts.
Apply skills and knowledge to create in the arts.
Describe, analyze, interpret, and evaluate works of art.
Understand, analyze, and describe works of art in their historical and cultural contexts.
Recognize, analyze, and describe connections among the arts; between visual art and classroom curriculum; between visual art and everyday life.

Reflect upon and assess the characteristics of student's own processes and the merit of their art work and art work of others.

GENERAL MUSIC

Develop good singing posture.
Sing Core Repertoire with increasing accuracy in beat, rhythm and pitch.
Sing and listen to a variety of seasonal/holiday music.
Sing using Solfege with emphasis on Sol-Mi.
Sing expressively (ex: loud, soft, fast, slow)
Continue to develop sense of steady beat.
Identify written quarter note and paired eighth notes.
Participate in group musical activities.
Move to music appropriately.
Aurally recognize loud/soft and fast/slow.
Use and identify classroom instruments.
Develop music vocabulary.

LITERACY

Ask and answer questions about a text.
Retell stories, including key details.
Identify main idea and details in a text.
Identify characters, setting, and important events in a story.
Recognize the difference between texts that tell stories and texts that give information.
Identify the reasons an author gives to support a point.
Identify similarities and differences between texts.
Recognize that a sentence begins with a capital letter and ends in punctuation.
Read grade level appropriate texts with purpose and understanding.
Demonstrate beginning phonological awareness (e.g. distinguish between long and short vowel sounds)

Know and apply grade-level phonics to decode words.

Read with sufficient accuracy and fluency to support comprehension.

Produce opinion, informational, and narrative writing pieces.

Participate in shared research and writing projects.

Participate in collaborative conversations, following agreed upon rules for discussion.

Speak in complete sentences when appropriate to task.

Print all letters correctly.

Use conventional spelling for words with common spelling patterns.

Use grade-appropriate conventions in writing.

Determine the meaning of unknown words.

Read and write routinely across the curriculum.

Standard 5: Understand and practice Internet safety when using any electronic media for educational, social, or recreational purposes

- Practice strategies that promote personal safety and protect online and offline reputation
- Recognize that networked environments are public places governed by codes of ethical behavior
- Practice positive digital citizenship
- Distinguish website authority, validity, and purpose
- Understand the need for protecting personal privacy when using public access to digital sources
- Protect personal information and electronic devices in an online environment

LMC SKILLS

Standard 1: Access information efficiently and effectively to inquire, think critically, and gain knowledge

- Recognize the need for information
- Formulate questions based on information needs
- Identify various potential sources of information
- Develop and use successful strategies for locating information
- Seek information from diverse sources

Standard 2: Evaluate information critically and competently

- Determine accuracy, relevance, and comprehensiveness of information
- Distinguish among fact, point of view, and opinion
- Identify inaccurate and misleading information
- Select information appropriate to the problem or question

Standard 3: Use information accurately, creatively, and ethically to share knowledge and to participate collaboratively and productively as a member of a democratic society

- Organize information for practical application
- Integrate new information into own schema
- Produce and communicate information and ideas in appropriate formats
- Uses problem-solving techniques to devise strategies for improving process or product
- Practice ethical behavior when using print and digital resources (including freedom of speech, intellectual freedom, copyright, and plagiarism)

Standard 4: Appreciate literature and other creative expressions of thoughts and ideas and pursue knowledge related to personal interests and aesthetic growth

- Cultivate a love of reading and become a self-motivated reader
- Develop a knowledge of genres and literary elements
- Derive meaning from informational texts in various formats

MATHEMATICS

Use strategies to solve addition word problems.

Use strategies to solve subtraction word problems.

Solve word problems by adding 3 whole numbers.

Use the commutative property of addition.

Use the associative property of addition.

Use an addition fact to help me answer a subtraction problem.

Count to help me add and subtract.

Add facts within 10.

Subtract facts within 10.

Know what an equal sign means.

Tell if addition and subtraction equations are true or false.

Tell the missing number in an addition or subtraction problem.

Count to 120.

Tell how many tens and how many ones are in a number.

Compare two-digit numbers using $<$, $=$, and $>$.

Use manipulatives and pictures to help me solve problems within 100.

Use math strategies to help me solve problems within 100.

Find 10 more or 10 less in my head.

Subtract multiples of 10 under 100 and explain what I did.

Put three objects in order from longest to shortest.

Tell the length of an object using whole numbers.

Tell and write time in hours and half-hours using a clock.

Organize data.

Understand data.

Ask and answer questions about data.

Tell about shapes.

Build and draw shapes.

Make two-dimensional shapes.

Make three-dimensional shapes.

Use shapes to make new shapes.

Divide shapes into parts.

Standards for Mathematical Practice

1. *Make sense of problems and persevere in solving them.*
 - When given a problem, I can make a plan to solve it and check my answer.
2. *Reason abstractly and quantitatively.*
 - I can use numbers and words to help me make sense of problems.
3. *Construct viable arguments and critique the reason of others.*
 - I can explain my thinking and consider the mathematical thinking of others.
4. *Model with Mathematics.*
 - I can recognize math in everyday life and use math I know to solve problems.
5. *Use appropriate tools strategically.*
 - I can use math tools to help me explore and understand math in my world.
6. *Attend to precision.*
 - I can be careful when I use math and clear when I share my ideas.
7. *Look for and make use of structure.*
 - I can see and understand how numbers and shapes are put together as parts and wholes.
8. *Look for and express regularity in repeated reasoning.*
 - I can notice when calculations are repeated.

PHYSICAL EDUCATION

Demonstrate competence in selected locomotor skills: run, skip, gallop, hop, vertical and horizontal jump and slide.

Demonstrate competence in selected object control skills: underhand throw, catching, instep kick, foot dribble, hand dribble, overhand throw, and batting.

Develop an awareness of the importance of being physically fit.

Demonstrate growth and development in selected indicators of physical fitness.

Develop knowledge of proper safety procedures.

Develop personal-social skills appropriate for sports-related games and activities: positive self-concept, self-discipline, fair play, respect for individuals.

SCIENCE

Understand the characteristics of organisms.

Understand the properties of objects and materials.

Understand weather.

Understand science through reading, writing and technology.

Science and Engineering Practices

1. *Asking Questions and Defining Problems*
 - I can wonder about the world and write it as a question.

2. *Developing and Using Models*
 - I can create ways to model real world situations.
3. *Planning and Carrying Out Investigations*
 - I can plan and carry out investigations.
4. *Analyzing and Interpreting Data*
 - I can understand and explain what data means.
5. *Use Mathematics and Computational Thinking*
 - I can use math strategies to explain my thinking.
6. *Constructing Explanations and Designing Solutions*
 - I can come up with solutions and explain why.
7. *Engaging in Argument from Evidence*
 - I can use proof to support my findings.
8. *Obtaining, Evaluating and Communicating Information*
 - I can collect, understand, and show my information.

SOCIAL STUDIES

Understand and use time and sequence.

Recognize citizens of the past and present who have contributed to their community.

Understand that people live in different locations with a variety of natural (physical) and human characteristics.

Understand ways humans interact with the environment.

Understand Core Democratic Values.

Understand rules and laws and the purpose for them.

Understand ways people meet their wants and needs.

Locate, comprehend, interpret and organize information from a variety of sources.

Recognize differing viewpoints and interact with others appropriately.

Interpret and follow rules and help others.

TECHNOLOGY

Creativity and Innovation: Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology.

Communication and Collaboration: Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.

Research and Information Fluency: Students apply digital tools to gather, evaluate, and use information.

Critical Thinking, Problem Solving, and Decision Making: Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.

Digital Citizenship: Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.

Technology Operations and Concepts: Students demonstrate a sound understanding of technology concepts, systems, and operations.

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