# LEARNING JOURNEYS Guide to Curriculum 2nd Grade



September 2020

Dear Parents and Guardians,

Learning Journeys was created as a means of providing parents with information regarding South Windsor Public Schools' elementary curriculum. Each curriculum guide outlines the curriculum standards and grade-level expectations for students in each grade, K-5, and contains detailed information about curricular units, texts and resources, as well as a timeline for each discipline. While it includes an overview of the course progression, if you have questions at any time regarding units of study or materials used, please contact your child's teacher.

Please note that the reporting practices for Math and Literacy have changed this year in an effort to provide clearer communication to parents regarding student expectations and progress. I encourage you to review these new benchmarks by clicking on the "Progress Report" link within the Math and Literacy sections.

Your role in your child's educational experience is invaluable. We hope you find this guide helpful as we partner together to make this a successful and exciting year for your child.

Best wishes for a wonderful school year!

## Tracie D. Peterson

Assistant Superintendent, Curriculum & Instruction

#### **TABLE OF CONTENTS**

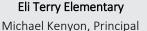
Curriculum, Instruction and Assessment 3
Standards3
Assessments 3
Humanities4
Literacy5
Social Studies
Mathematics7
Science8
Specials:
STEM9
World Language9
Visual Arts 10
Music 10
Physical Education 10
Health Education11





# South Windsor Public Schools







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## **South Windsor Public Schools Vision Statement**

The South Windsor Public Schools promotes an engaging and dynamic culture of learning that prepares students to achieve their own individual excellence. Within an emotionally safe environment, educators will foster students' academic, social, and personal growth. Our students will demonstrate critical and creative thinking, self-direction, collaboration, adaptability, compassion, and civic responsibility in an ever-changing global society.

# **Curriculum, Instruction and Assessment**

## **STANDARDS**

Educational standards represent what students should know and be able to do at each grade level. They are expectations. In Connecticut, our academic standards describe what we believe every student should know and be able to do by the time they exit the K-12 education system. Standards remain constant, but curriculum can be altered year to year (or classroom to classroom) to ensure students are meeting the learning goals.



#### Connecticut Core Standards

English/Language Arts
Mathematics



Next Generation Science Standards (NGSS)



C3 Standards for Social Studies

## **CURRICULUM**

A curriculum is the detailed plan used to teach students the learning goals embodied in standards. Curriculum includes activities, lessons, units, assessments, and instructional decisions made in the classroom.

A rubric is a specific tool that helps teachers design and score assessments that can be used to generate both formative and summative scores, and helps students know how their work will be evaluated before the work begins. There are many advantages to using rubrics. Teachers can increase the quality of their direct instruction by providing focus, emphasis, and attention to particular details as a model for students. Students have explicit guidelines regarding teacher expectations. Students can use rubrics as a tool to develop their abilities. Teachers can reuse rubrics for various activities.

#### **ADDITIONAL RESOURCES AVAILABLE ONLINE:**

Click on the link below



## **ASSESSMENT**

#### What does "assessment" mean?

Assessment is the process of gathering evidence in order to document the learning and growth of each child. Teachers assess student performance every day, integrating assessment and instruction continually. It is this constant overlap between questioning, responding, observing, and evaluating student progress that determines further instructional needs. Assessments include universal screenings, informal and formal measures, and summative assessments.

#### Why do we need assessments?

Assessments are important tools that help educators set standards, create instructional goals, motivate performance, provide feedback to students, evaluate progress, and communicate progress to others.

#### How do we use universal assessments?

Universal assessments are used to inform teaching and learning. Diagnostic screenings are administered prior to instruction, and help teachers identify students who might benefit from extra support.

#### How do we use informal assessments?

Informal assessments are used to assess student performance every day. This allows teachers to continually integrate assessment and instruction. Informal assessment occurs when teachers observe students working; when they hold reading and writing conferences to record student strengths and weaknesses; and when they analyze projects, portfolios, and notebooks.

### How do we use summative assessments?

Summative assessments are used to determine achievement levels for meeting learning standards. They also give teachers and parents a better picture of where students are succeeding.

#### How do we use formal assessments?

Formal assessments are used to provide an academic measure of knowledge, concepts, and skills; and to adjust instructional goals and practices.

#### When are Formal Assessments administered?

Different assessments are administered to students at different grade levels (see the schedule below). Additional information regarding assessments is available on our website.

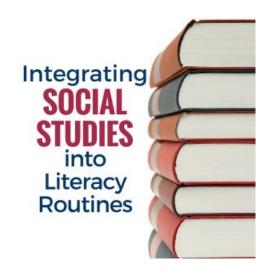
	K	1	2	3	4	5
Fountas & Pinnell	Х	Х	Х	Х	Х	Χ
Dibels	Χ	X	Х	Х		
STAR 360			Х	Х	X	Χ
Universal Number Sense Screener	Х	X				
SBAC				Х	Х	Х
NGSS						Х

# **HUMANITIES**

The humanities are studies about human culture, such as literature, philosophy, and history. The South Windsor Humanities curriculum reflects social studies content and standards that are fully integrated into literacy units. Students will explore civics, geography, history and economics through reading, writing, speaking, and listening.

The best social studies instruction is a balance of content instruction and reading strategy instruction. There are some lessons in which you want children to learn deeply about historical events and really delve into the material through projects and meaningful activities. In other lessons, you simply use social studies texts to teach students how to comprehend non-fiction. Children learn how to use captions, photos, graphs, charts, glossaries, bold print, and so on to help them understand what they read.

The integrated units for Literacy and Social Studies (i.e., "Humanities") are reflected in the timeline below.



Annual Unit Theme	Trimester One	Trimester Two	Trimester Three
Who I Am	Building a Community (Civics): Structure of a Story	Cultural Awareness and Celebrations: Main Idea and Details; Maps and Globes	Local Heroes in Our Community: Ask and Answer Questions
	Reading in a Series: Character Study	Life Lessons Through Literature (Fables and Fairytales): Central Message	Observing My World: Connecting Concepts

## **LITERACY**



The South Windsor Public Schools literacy program adheres to the beliefs articulated by the National Council of Teachers of English (NCTE) and the International Literacy Association (ILA):

"All students must have the opportunities and resources to develop the language skills they need to pursue life's goals and to participate fully as informed, productive members of society. ... Curriculum and instruction must provide ample room for the innovation and creativity essential to teaching and learning."

The primary goal of the literacy program is to produce reflective, critical and creative thinkers through the language experiences of reading, writing, speaking and listening. Teachers meet the needs of learners by creating an interpretive community in which students are engaged in transforming information and experiences into knowledge and understanding.

Thoughtfully selected shared and mentor texts provide students with a wide variety of models for reading and writing. All students work with meaningful, grade-level fiction and nonfiction texts, in addition to practicing and applying literacy skills and concepts to other authentic texts, chosen based on interest, reading level, and/or thematic relevance. Strategic guided and small group reading pairs students with texts at their instructional level and provides a ladder for continuous literacy progress. Students construct and share meaning derived from texts through discourse and written response. Extended written pieces develop through a process, including prewriting, rehearsing, composing, conferring, revising, editing and sharing. Teachers incorporate varied and strategic instructional strategies to support the individual needs of students, continually scaffolding learning to involve reading and producing increasingly complex texts.

The Connecticut Core Standards for English Language Arts outline seven critical "capacities" or "habits of mind" of a "literate individual." Helping students to exhibit these capacities and "increasing fullness and regularity as they advance through the grades" is central to our literacy program.

- 1. Demonstrate independence
- 2. Build strong content knowledge
- 3. Respond to the varying demands of audience, task, purpose, and discipline
- 4. Comprehend as well as critique
- 5. Value evidence
- 6. Use technology and digital media strategically and capably
- 7. Learn to understand other perspectives and cultures

## **Reading: Foundational Skills**

 Know and apply grade-level phonics an word analysis skills in decoding words

## Reading: Literature and Informational Text

- Ask and answer questions to demonstrate understanding of key details in a text
- Determine the central message or main topic of a text
- Describe how characters in a story respond to major events and challenges or describe the connection between a series of events in a text
- Describe how words and phrases supply rhythm and meaning in a story, poem, or song, or determine the meaning of words and phrases in a text
- Describe the overall structure of a text or use text features to locate information
- Identify the main purpose or point of view of a text
- Explain how specific images contribute to the meaning and/or clarify a text
- Compare and contrast two or more versions of the same story and/or texts
- By the end of the year, read and comprehend literature and informational texts in the grade 2 text complexity band proficiently, with scaffolding as needed at the high end of the range

## Writing and Language

- · Communicate ideas in writing
- Demonstrate a command of the grade-level conventions of standard English grammar and usage when writing or speaking
- Demonstrate a command of the grade-level conventions of standard English capitalization, punctuation and spelling when writing

#### Speaking and Listening

 Participate in collaborative conversations with diverse partners about grade 2 topics and texts with peers and adults in small and larger groups

## **ADDITIONAL RESOURCES AVAILABLE ONLINE:**

Click on the links below, and select "Reading/Literacy"









# **SOCIAL STUDIES**



The Social Studies curriculum will prepare all students to live in the global community of the 21st century. This standards-based and developmental curriculum will challenge all students to develop literacy skills, intellectual curiosity, decision-making abilities, and critical and creative higher-order thinking skills. Therefore, all students will be motivated to become active, responsible, and open-minded citizens. The curriculum is designed to allow for a wide variety of learning experiences appropriate to students at each grade level. All students are provided opportunities to demonstrate knowledge and skills in the areas of history, geography, civics, economics, and behavioral sciences.

The major goals of the Social Studies curriculum are as follows:

- Engage students through the inquiry process which includes developing questions and planning inquiry, applying interdisciplinary concepts and tools, evaluating sources and using evidence, and communicating conclusions and taking informed action.
- Cultivate essential skills such as gathering and interpreting information from primary and secondary sources as well as electronic media, and to have students demonstrate an understanding of history and social studies issues in written work.
- Develop and demonstrate an understanding of cultural contributions from various past and present civilizations.
- Foster each student's understanding of significant events and themes in United States history, world history, and international studies.
- Understand the role of Connecticut in major events in United States history.

Social Studies standards are in alignment with the 2015 Connecticut Elementary and Secondary Social Studies frameworks. These frameworks are based on national C3 standards (College, Career, and Civic Life) and require that four major disciplines in social studies be taught:

- 1. Civics
- 2. Economics
- 3. Geography
- 4. History

The frameworks connect directly with the Connecticut Core standards (CCS) for English/language arts and literacy in history and social studies. All units share skill standards, but not all standards are embedded in every unit.

# Our Community: South Windsor Town and Government

- Describe how communities work to accomplish common tasks, establish responsibilities and fulfill roles of authority
- Follow agreed upon rules for discussion while responding attentively to others when addressing ideas and making decisions as a group
- Describe democratic principles such as equality, fairness, and respect for legitimate authority and rules
- Compare their own point of view with others' perspectives
- Explain how people can work together to make decisions in the classroom
- Identify and explain how rules function in public (classroom and school) settings
- Describe how people have tried to improve their communities over time
- Explain how scarcity necessitates decision-making
- Identify the benefits and costs of making various personal decisions
- Describe the goods and services that people in the local community produce and those that are produced in other communities

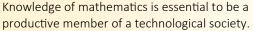
#### **Cultural Awareness and Celebrations**

- Create a chronological sequence of multiple events
- Generate questions about a particular historical source as it relates to a particular historical event or development
- Construct geographic representations of familiar places
- Use geographic representations to describe places and interactions that shape them
- Use geographic representations to identify cultural and environmental characteristics of place
- Explain how the environment affects people's lives
- Explain how humans affect the culture and environment of places/region
- Identify cultural and environmental characteristics of a place/region

## Maps and Globes: Local Heroes

- Compare life in the past to life in the present
- Generate questions about individuals and groups who have shaped a significant historical change
- Explain perspectives of people in the past to those of people in the present
- Compare different accounts of the same historical event
- Generate possible reasons for an event or development in the past
- Select which reasons might be more likely than others to explain a historical event or development

## **MATH**



It is the mission of South Windsor Public Schools to provide a mathematics curriculum that will encourage students to shape information into knowledge and experience into understanding. Our philosophy is that students learn mathematics best by doing mathematics. It is the role of the teacher to guide students in constructing their own mathematical understanding. Teachers will implement curriculum and plan activities that will guide and support students as they investigate, analyze and achieve. As a result of this guidance, students will develop an appreciation of the value of mathematics, gain confidence in their ability to use mathematics, and become mathematical problem solvers. Students will also develop their ability to communicate and reason mathematically. All students are expected to master mathematics according to their greatest potential.

The major goals of the South Windsor Public Schools mathematics curriculum are to:

- Ensure high expectations and access to meaningful mathematics learning for every student.
- Ensure implementation of the Standards for Mathematical Practice to develop the processes and proficiencies in mathematics.
- Implement a curriculum that is aligned to national and state standards
  while incorporating 21st century skills and technologies, resulting in relevant and meaningful instruction and high student achievement.
- Utilize data-driven decision making based on universal screens, benchmarks and formative assessments to inform instruction and improve student learning.
- Ensure instructional equity among all students.

The Mathematics curriculum encourages the use of the following Mathematical Practices:

- Make sense of problems and persevere in solving them
- Reason abstractly and quantitatively
- Construct viable arguments and critique the reasoning of others
- Model with mathematics
- Use appropriate tools strategically
- Attend to precision
- Look for and make use of structure
- Look for and express regularity in repeated reasoning

## **Operations and Algebraic Thinking**

- Represent and solve problems involving addition and subtraction
- Add and subtract within 20
- Work with equal groups of objects to gain foundations for multiplication

## Number and Operations in Base Ten

- Understand place value
- Use place value understanding and properties of operations to add and subtract

#### **Measurement and Data**

- Measure and estimate lengths in standard units
- · Relate addition and subtraction to length
- Work with time and money
- · Represent and interpret data

## Geometry

Reason with shapes and their attributes

#### ADDITIONAL RESOURCES AVAILABLE ONLINE:

Click on the links below, and select "Math"





# SCIENCE



The overarching goal of the Science department is for all students to have sufficient knowledge of science and engineering by the time they graduate high school that they can engage in public discussions on science-related issues, be careful consumers of scientific and technical information, and enter the careers of their choice. The major goals of the Science curriculum are as follows:

- To implement a guaranteed and viable district science curriculum that
  is aligned with learning expectations set forth in the Connecticut Core
  Science Curriculum Framework and the Next Generation Science
  Standards that helps children continually build on and revise their
  knowledge and abilities, starting from their curiosity about what they
  see around them and their initial conceptions about how the world
  works.
- To achieve scientific literacy preparing students to be confident and capable lifelong learners who are equipped with the skills needed to access, understand, evaluate and apply information and present coherent ideas about science, integrating common core science literacy skills into the curriculum.
- To develop a thorough understanding of scientific explanations of the world through experimentation of the disciplinary core ideas and applying these understandings to solve environmental and societal challenges.
- To foster each student's understanding and use of technology and engineering, including the ability to assess the relevance and credibility of scientific information found in various print and electronic media.

Connecticut has adopted the Next Generation Science Standards (NGSS). The NGSS call for a three-dimensional approach to science instruction, which represents a significant transition from the previous Connecticut Science Frameworks. Effective implementation of these new standards demands a great deal of collaboration and patience as educators work through this transition. South Windsor expects to complete the transition of grade K-12 science curriculum to the NGSS over the next two years.

## **Properties of Matter**

- Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties
- Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose
- Make observations to construct an evidencebased account of how an object made of a small set of pieces can be disassembled and made into a new object
- Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot
- Develop a simple sketch, drawing or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem

#### **Erosion and Landforms**

- Use information from several sources to provide evidence that Earth events can occur quickly or slowly.
- Compare multiple solutions designed to slow or prevent wind or water from changing the shape of the land
- Develop a model to represent the shapes and kinds of land and bodies of water in an area.
- Obtain information to identify where water is found on Earth and that it can be solid or liquid.
- Analyze data from tests of two objects designed to solve the same problem to compare the strength and weaknesses of how each performs

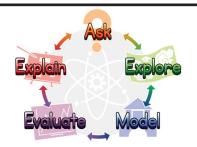
## **Relationships in Ecosystems**

- Plan and conduct an investigation to determine if plants need sunlight and water to grow
- Develop a simple model that mimics the function of an animal in dispersing seeds or pollinating plants
- Make observations of plants and animals to compare the diversity of life in different habitats
- Develop a simple sketch, drawing or physical model to illustrate how the shape of an object helps it function as needed to solve a given

## S.T.E.M.

The South Windsor Public Schools elementary STEM program uses the Project Lead the Way (PLTW) Launch program. The PLTW Launch curriculum is designed especially for the elementary learner. It is aligned with the Common Core for math and English language arts (ELA), and corresponds with the new Next Generation Science Standards (NGSS). In addition to teaching the engineering design process and introducing the idea of STEM to students early in their education, this program reinforces skills learned in Math, ELA and Science. It also serves to further develop cooperative group work and problem solving skills that are transferred to all other content areas. The PLTW model uses a problem-based approach to learning. Students are engaged in real life problems that they solve through designing and testing different solutions. The students apply new knowledge learned to different situations throughout the course of the year. Goals of STEM are:

- To foster cooperative group work and problem solving skills that can be transferred to all other content areas to enrich students learning experience.
- To achieve scientific literacy by preparing students to apply new knowledge learned to different situations and different content areas.
- To develop scientific and engineering design skills in our students so that they can approach problems in multiple ways as well as revise, reflect and communicate their results to better society.
- To provide young students an opportunity to learn about areas that they may be unaware of and ignite an excitement for science and technology, so that students will develop an increased passion for these areas later in their education.



**Ask:** What is the problem?

**Explore:** What are some ways to solve this problem?

**Model:** Create a solution for the problem.

Explain: Test to see if the solution solves the problem.

Talk about how and why your solution works.

# 2ND GRADE STEM UNITS

- Materials Science: Properties of Matter
- Stability and Motion: Science of Flight

# ADDITIONAL S.T.E.M. RESOURCES AVAILABLE ONLINE (SELECT "SCIENCE/S.T.E.M.):

Click on the link



## 2nd Grade

## **World Language**

The elementary World Language Program is offered to students in grades one through five at all four elementary schools. Learning a language at an early age helps students become effective communicators, and allows students to understand culture at a deeper level. Students are introduced to Spanish through art, songs, games and engaging learning activities that connect to grade level curricular themes.

# ADDITIONAL WORLD LANGUAGE RESOURCES AVAIILABLE ONLINE:



• Unit 1: ¿Adónde fuiste en el verano?

Where did you go last summer?

• Unit 2: ¡Que rico! Vamos al Mercado

How delicious! Let's go to the market

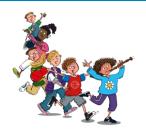
• Unit 3: Mi plato es saludable

My plate is healthy

Unit 4: Tierra, aire y mar

Land, Air and Sea





South Windsor's music curriculum embodies a balanced approach to music education that places equal importance on creating, performing, responding and connecting to music. Through development of musical independence, students will have the tools necessary to communicate their ideas when performing or

2nd Grade

Music

creating music. These tools and skills will enable South Windsor students

to comprehend the relevance of having music in their daily lives by understanding why music has played a vital role in the evolution of all mankind.

Art education is designed to expand students' means of expression and communication, stimulate the imagination, and provide insight into the contributions of others. Emphasis at the elementary level is fundamentally placed upon exploration and exposure to materials and methods while building skills and techniques over time. It allows students to build their conceptual skills, techniques and understandings as they also develop their own unique creative form of self expression.

2nd Grade

Visual Arts

The Visual Arts curriculum is both experiential and developmental in nature. We strive to stimulate other areas of learning in all students while providing opportunities to identify and cultivate artistic skill sets and capabilities. The South Windsor art program will provide each student with:

- Instruction in the basic elements and principles of art
- Inspiration for his/her creative and aesthetic needs
- Instruction in skills and techniques using a variety of media with experiences in all dimensional modes
- Methods for increasing perceptual and motor skill abilities utilizing a variety of approaches
- An understanding of the role of the artist both present and past
- The means to interrelate art experiences with other academic areas of study
- An opportunity for interaction with other students' abilities and ideas
- Opportunities for public exhibition and competitions at the local, state and national level



The K-2 program focuses on introducing students to multiple media and techniques through repeating concepts and skills/techniques in different media explorations. Some Elements and Principles of Art are introduced and explored. The 3-5 program focuses on introducing students to more advanced media, skills and techniques while also further developing concepts, skills and techniques from the K-2 program. Elements and Principles of Art are referred to at times under the umbrella of compositional awareness.

All students will be introduced to arts and styles and learn how to respond to art using Visual Thinking Strategies (VTS).



The Physical Education curriculum provides psychomotor, cognitive and affective content and learning experiences that promote optimum personal development. Quality curriculum and instruction provided in a safe, supportive environment offers meaningful, challenging learning for all students, and results in lifetime learning outcomes of skills, literacy and the ability to under-

2nd Grade

**Physical Education** 

stand concepts and develop plans for lifetime physical activity and wellness. Curriculum is designed to motivate children and youth to maintain and improve their health, and to develop and demonstrate health-related knowledge, attitudes, skills and practices.

The Physical Education curriculum follows the Connecticut Healthy and Balanced Living Curriculum Framework. The Framework provides a blueprint for how students can live an active and healthy life. Instruction is guided by the following core concepts: Motor Skill Performance; Applying Concepts and Strategies; Engaging in Physical Activity; Physical Fitness; and Responsible Behavior (working to the best of your ability, showing self-control, following direction and demonstrating good sportsmanship).

Trimester One	Trimester Two	Trimester Three
Locomotor	Manipulative	Manipulative
(Run, Walk, Jump, Hop, Skip)	(Volleying, Kicking, Throwing)	Locomotor
Non-Locomotor (Balance, Weight Transfer)	Non-Manipulative (Force, Levels, Speed, Direction)	Non-Locomotor

The elementary health curriculum is designed to provide a safe, healthy and caring environment that maximizes the social, emotional, physical and intellectual growth of young adolescents. The curriculum is designed to motivate children and youth to maintain and improve their health, prevent disease, reduce health-related risk behaviors and develop and demonstrate health-related knowledge, attitudes, skills and practices. The curriculum meets national and state health education standards addressing the following:

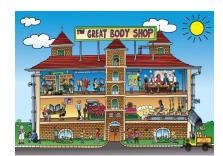
2nd Grade

## **Health Education**

Standard 1:Core ConceptsStandard 5:Communication SkillsStandard 2:Accessing Health InformationStandard 6:Decision-Making SkillsStandard 3:Self-Management of Healthy BehaviorsStandard 7:Goal-Setting SkillsStandard 4:Analyzing Internal and External InfluencesStandard 8:Advocacy

This year, in order to promote social, emotional and physical wellness, South Windsor Public Schools is piloting "The Great Body Shop," a comprehensive curriculum that covers all aspects of physical, mental, social emotional health and safety. This K-5 program promotes wellness through the integration of ten health content strands, with social and emotional learning, as well as substance abuse and violence prevention skills and messages integrated into every unit. The mission statement of The Great Body Shop is, "to equip children and their families with the knowledge and skills needed to make healthy choices throughout their lives." Topics covered throughout the school year include:

- Injury Prevention and Safety;
- Nutrition;
- Functions of the Body;
- Growth and Development/the cycle of family life;
- Disease and Illness Prevention (including HIV);
- Substance Abuse Prevention;
- Community Health and Safety (with Violence Prevention);
- Self-worth, Mental and Emotional Health;
- Environmental and Consumer Health; and
- Physical Fitness





Dream • Achieve • Inspire

## SOUTH WINDSOR PUBLIC SCHOOLS