

Wareham Elementary School Curriculum Grades PreK-4

Our Future Begins Here

Subject Overview

Literacy

CSS Consulting works in grades PreK-4 through carefully designed movements and specific reading strategies that enhance the brain's connections of the left and right hemispheres (necessary to develop fluent reading skills). Through FAST, NWEA Oral Reading Fluency, DRA, and F&P, progress monitoring, and benchmark assessments, all connected to Data Walls provided by CSS Consulting, we work with 'real-time' data to continuously inform practice.

Mathematics

The goals in math are to address the necessary skill development to prepare students to attend to higher-level thinking as it relates to mathematical content as they grow. Our programs and practices focus on supporting students' development to gain expertise.

| Expected Progressions PreK-4 | | | | | | |
|---------------------------------|-------------|---|---|---|---|---|
| Domain | Grade Level | | | | | |
| | PreK | K | 1 | 2 | 3 | 4 |
| Counting & Cardinality | | | | | | |
| Operations & Algebraic Thinking | | | | | | |
| Number & Operations in Base 10 | | | | | | |
| Number & Operations- Fractions | | | | | | |

Science, Technology, & Engineering (STE)

Students are provided the opportunity to appreciate the wonder of science, possess knowledge of the sciences to engage with others, & critically think as they research technology and products in their day-to-day lives. STE facilitates engagement to prepare students for a myriad of employment opportunities.

| Grade | Theme |
|-------|---------------------|
| PreK | The World Around Me |
| K | Reason for Change |
| 1 | Describing Patterns |
| 2 | Whole to Parts |
| 3 | Human Interactions |
| 4 | Matter & Energy |

Social Studies

In grades PreK-4, the four areas of focus are Civics (classroom citizenship), Geography (connecting among places), History (shared traditions), & Economics (work & structure). The reading program, Reach for Reading, offers many non-fiction materials that integrate social studies within that content area. Below are the Massachusetts Frameworks identifying topics of study.

| Grade | Essential Question Consideration | Topics |
|-------------|--|--|
| PreK | <i>What are fair rules and why do we need them?</i> | Civics: Fairness, Friendship, Responsibility, & Respect |
| | | Geography: Maps & Places |
| | | History: Personal Experiences & Memories |
| | | Economics: World of Work |
| K | <i>What does it mean to be responsible?</i> | Civics: Classroom Citizenship |
| | | Geography: Connections Among Places |
| | | History: Shared Traditions |
| | | Economics: World of Work |
| 1 | <i>What does it mean to belong to or lead a group?</i> | Civics: Communities, Elections, & Leadership |
| | | Geography: Places to Explore |
| | | History: Unity & Diversity in the United States |
| | | Economics: Resources & Choices |
| 2 | <i>How do people adapt to change in their environment?</i> | Reading & Making Maps |
| | | Geography & its Effect on People |
| | | History: Migration & Culture |
| | | Civics in the content of Geography: Countries & Governments |
| | | Economics: Resources & Choices |
| 3 | <i>How did the interactions of the Native Peoples, Europeans, & enslaved & free Africans shape the development of Massachusetts?</i> | Massachusetts Cities & Towns Today and Historically |
| | | The Geography & Native Peoples of Massachusetts |
| | | European Explorers' First Contacts with native Peoples in the Northeast |
| | | The Pilgrims, the Plymouth Colony, and Native Communities |

| | | |
|----------|---|---|
| | | The Puritans, the Massachusetts Bay Colonies, Native Peoples, & Africans |
| | | Massachusetts in the 18th Century through the American Revolution |
| 4 | <i>How has the environment shaped the development of each region?</i> | North America: Geography & Map Skills |
| | | Ancient Civilization of North America |
| | | Early European Exploration & Conquest |
| | | The Expansion of the United States Over Time and its Regions Today |

Social-Emotional Health and Wellbeing

Continue our work with PBIS, RULER from the Center for Emotional Intelligence, Yale University, & begin to offer students opportunities to learn more about themselves by exploring Learner Profiles and integrating social-emotional learning opportunities within the curriculum.

Infusion of Technology Throughout the Subjects

Digital literacy and computer science knowledge, reasoning, and skills are essential both to prepare students for personal and civic efficacy in the twenty-first century and to prepare and inspire a much larger and more diverse number of students to pursue the innovative and creative careers of the future. The abilities to effectively use and create technology to solve complex problems are the new and essential literacy skills of the twenty-first century.

Grade Level Curriculum (used as foundational elements to individualize instruction)

Pre-K

CSS Consulting: Pre-K teachers, as well as community pre-school, have been engaged in learning about the strategies necessary to build literacy skills. The strategies have been offered and some private area preschools have begun to implement these practices. *Note: We are currently examining other programs and will update once secured.*

Lexia “addresses the development of oral language, reading, spelling, and writing skills for students who are learning English. Students learning English will develop fundamental reading skills with the rest of their classmates and receive student-driven and teacher-directed personalized instruction” (<https://www.lexialearning.com>.)

Kindergarten

Reading

CSS Consulting: Pre-K teachers, as well as community pre-school, have been engaged in learning about the strategies necessary to build literacy skills. The strategies have been offered and some private area preschools have begun to implement these practices.

Deanna Jump and Deedee Willis Guiding Reading: The literacy units support all levels of skill development for early literacy.

Foundations for phonics, Heggerty Phonological and Phonemic Awareness literacy resources, Fountas and Pinnell, and Lexia are available resources to assist in enhancing literacy and math skills.

Math

Deanna Jump Math: This program is designed for kindergarten students by kindergarten teachers. The skills supported are Fluency practice, new concept introduction, whole group exploration time, student application, and share time.

We are currently using a program for math called, Zean. The Department of Elementary and Secondary Education is supporting this. This program has been properly vetted and approved. “With Zearn, kids learn the same concept twice—once with their teacher and once in our digital lessons—so they gain a deep understanding of math. All materials are top-rated, research-backed, and crafted to represent all kids.

ST math is an online program that students enjoy and helps to secure skills.

Integration of Science & Social Studies

Focus K-2: “Focus on K2 was written to help teachers promote children’s creativity and their abilities to collaborate, communicate, and think critically. It was written to develop essential literacy and numeracy skills. It was written to connect children with their city. It was written to give our K2 students the adventure in learning they deserve” (Boston Public Schools, <https://www.bpsearlylearning.org/focus-on-k2/>). Science and history are integrated into these units of instruction.

Grade 1

Reading

CSS Consulting: Teachers have been engaged in learning about the strategies necessary to build literacy skills. The strategies have been offered and some private area preschools have begun to implement these practices.

Deanna Jump & Deedee Willis Guiding Reading: The literacy units support all levels of skill development for early literacy. Guided reading as well as various other effective strategies are incorporated to improve overall fluency.

Foundations for phonics, Heggerty Phonological and Phonemic Awareness literacy resources, Fountas and Pinnell, and Lexia are available resources to assist in enhancing literacy skills.

Math

Deanna Jump Math: First Grade Math Units These First Grade Math units are research-based and designed specifically for first-grade teachers and students. The math units provide hands-on, engaging lessons that include working on skills such as fluency practice, new concept introduction, whole group exploration, application, and time to share.

We are currently using a program for math called, Zearn. The Department of Elementary and Secondary Education is supporting this. This program has been properly vetted and approved. “With Zearn, kids learn the same concept twice—once with their teacher and once in our digital lessons—so they gain a deep understanding of math. All materials are top-rated, research-backed, and crafted to represent all kids.

ST math is an online program that students enjoy and helps to secure skills.

Grade 2

Reading

CSS Consulting: Teachers have been engaged in learning about the strategies necessary to build literacy skills. The strategies have been offered and some private area preschools have begun to implement these practices.

Reach for Reading: Offers authentic Literature and National Geographic Exclusives, Foundational Skills with Content-Based Decodable Texts, Integrated ELD, Rigor-Analyzing Texts and Higher Order Questions, Rigor-Close Reading of Authentic Text, Writing to Sources, and Opinion, Expository and Narrative Writing, Vocabulary Development through Content, Meaningful Collaborative Conversations. Teachers model, and apply close reading in whole groups with print and digital resources. Whole groups, small groups, and independent practice ensure teachers inspire students. Comprehensive, targeted teaching materials ensure that children develop the necessary decoding and encoding skills to become fluent readers and writers.

Students have multiple opportunities in Reach for Reading fluency and word study lessons to apply word knowledge to reading and writing activities. *Reach into Phonics Foundations* provides resources for students that allow them to gain the foundational building blocks they need to be fluent readers. Science & social studies are embedded within the texts.

Foundations for phonics, Heggerty Phonological and Phonemic Awareness literacy resources, Fountas and Pinnell, and Lexia are available resources to assist in enhancing literacy and skills.

Math

enVision Math: A comprehensive mathematics curriculum offering the flexibility of print, digital, or blended instruction. *enVisionmath2.0* provides the focus, coherence, and rigor necessary for student success. Project-based learning, visual learning strategies, and extensive customization options empower every teacher and student.

ST math is an online program that students enjoy and helps to secure skills.

Science

Mystery Science: Mystery Science features ready-to-teach multimedia science and STEM lessons for K-5 students. Each lesson begins by posing a question commonly asked by young students, which is followed by a series of brief videos and prompts used to guide class discussion.

Grades 3 & 4

Language Arts

CSS Consulting: Teachers have been engaged in learning about the strategies necessary to build literacy skills. The strategies have been offered and some private area preschools have begun to implement these practices.

Reach for Reading: Offers authentic Literature and National Geographic Exclusives, Foundational Skills with Content-Based Decodable Texts, Integrated ELD, Rigor-Analyzing Texts, and Higher Order Questions, Rigor-Close Reading of Authentic Text, Writing to Sources, and Opinion, Expository and Narrative Writing, Vocabulary Development through Content, Meaningful Collaborative Conversations. Teachers model, and apply close reading with print and digital resources. Whole groups, small groups, and independent practice ensure teachers inspire students. Comprehensive, targeted teaching materials ensure that children develop the necessary decoding and encoding skills to become fluent readers and writers. Students have multiple opportunities in Reach for Reading fluency and word study lessons to apply word knowledge to reading and writing activities. *Reach into Phonics Foundations* provides resources for students that allow them to gain the foundational building blocks they need to be fluent readers. Science & social studies are embedded within the texts.

Lexia is available to assist in promoting strong literacy and math skills. Other programs include Readworks for reading and literacy & EPIC-which was used for online books in place of hand-held books.

Math

enVision Math: A comprehensive mathematics curriculum offering the flexibility of print, digital, or blended instruction. *enVisionmath2.0* provides the focus, coherence, and rigor necessary for student success. Project-based learning, visual learning strategies, and extensive customization options empower every teacher and student.

ST Math is used in both grades

Science

Project Lead the Way-Sciences: The program empowers students to adopt a design-thinking mindset through compelling activities, projects, and problems that build upon each other and relate to the world around them. And as students engage in hands-on activities in computer science, engineering, and biomedical science, they become creative, collaborative problem solvers ready to take on any challenge.

Generation Genius: Generation Genius is a K-8 teaching resource that brings school science standards to life through fun and educational videos paired with lesson plans, activities, quizzes, reading material, and more.

Mystery Science: Mystery Science features ready-to-teach multimedia science and STEM lessons for K-5 students. Each lesson begins by posing a question commonly asked by young students, which is followed by a series of brief videos and prompts used to guide class discussion.

Social Studies

Teachers integrate lessons in civics, geography, history, and economics.

Unified Arts for Grades K-4

STEAM

Steam Digital Literacy and Computational Skills/ Engineering

Digital literacy and computer science knowledge, reasoning, and skills are essential both to prepare students for personal and civic efficacy in the twenty-first century and to prepare and inspire a much larger and more diverse number of students to pursue the innovative and creative careers of the future. The abilities to effectively use and create technology to solve complex problems are the new and essential literacy skills of the twenty-first century.

Within each grade span, standards are grouped in four **strands**: (1) Computing and Society; (2) Digital Tools and Collaboration; (3) Computing Systems; and (4) Computational Thinking. Each strand is further subdivided into topics composed of related **standards**. (1) Creating; (2) Connecting; (3) Abstracting; (4) Analyzing; (5) Communicating; (6) Collaborating; and (7) Researching.

STEAM

| Grade | Topics |
|----------------------|--|
| Grades PreK-2 | <p>Early elementary school students are introduced to foundational concepts by integrating basic digital literacy skills with simple ideas about computational thinking. They learn that tools help people do things better, or more easily, or do some things that could otherwise not be done at all. Through the exploration of differences between humans, computing devices, and digital tools, students begin to understand if, when, and how they should use technology.</p> <p>Kindergarten through grade 2 standards integrate all seven practices.</p> |
| Grades 3-5 | <p>Upper elementary students learn to differentiate tasks that are best done by computing systems or digital tools and those best done by humans. Students explore a variety of computing devices and digital tools and further develop their computational thinking problem solving skills. As students’ progress through grades 3–5, they begin to evaluate the uses and limitations of existing artifacts and modify parts of existing artifacts to develop something new. Students are able to describe and document their computational work in writing, using presentation tools and through demonstrations of their work.</p> |

The Arts

All Massachusetts students will develop artistic literacy through active participation in the arts, expressing creative ideas with skill, confidence, and artistic intent. A high-quality arts education empowers students to take artistic risks and supports the social-emotional and learning needs of all students. Through practices related to creating, presenting or performing, responding, and connecting, students will understand the role of the arts in their individual lives and interests.

While recognizing the intrinsic value of the arts, students will also discover the meaningful connections between the arts and other disciplines, and how the arts contribute to their communities and cultures around the world. As art students respond to great artists and works of art, they develop the ability to analyze artworks in terms of their formal qualities, historic style, social context, and artistic intent. The practice of responding to works of art builds perceptive acuity and aesthetic sensitivity. A rigorous progression of learning and engagement with the arts throughout Pre-K–12 education is the foundation for a rich, lifelong relationship with the arts. The areas of focus when studying the arts include: Creating, Performing, Responding, and Connecting.

Art & Music

| Grade | Creating | Performing | Responding | Connecting |
|---------------|--|---|--|---|
| PreK-4 | Generate and conceptualize artistic ideas and work. Organize and develop artistic ideas and work. Refine and complete artistic work. | Select, analyze and interpret artistic work for presentation. Develop and refine artistic techniques and work for presentation. Convey meaning through the presentation of artistic work. | Perceive and analyze artistic work. Interpret intent and meaning in artistic work. Apply criteria to evaluate artistic work. | Synthesize and relate knowledge and personal experiences to make art. Relate artistic ideas and works to societal, cultural and historical contexts to deepen understanding. |

Physical Education & Health

Through health literacy, healthy self-management skills, and health promotion, comprehensive health education teaches fundamental health concepts, promotes habits and conduct that enhance health and wellness, and guides efforts to build healthy families, relationships, schools, and communities.

Fundamental health knowledge and skills need to be taught starting in pre-kindergarten and early elementary years and reinforced and expanded regularly in subsequent grades. A planned, sequential curriculum addresses a variety of topics with increasing degrees of complexity appropriate to students’ developmental levels as they move from early to middle childhood and then into adolescence. Such a program ensures thorough, balanced coverage of health content areas, and its success relies on skilled teachers who readily adapt to incorporate emerging health topics.

Physical Education & Health

| Grade | Standard |
|--------|---|
| PreK-4 | Physical Health: (1) Growth & Development; (2) Physical Activity & Fitness; (3) Nutrition; and (4) Reproduction/Sexuality |

| | |
|--|--|
| | Social & Emotional Health: (1) Mental Health Family Life; and (3) Interpersonal Relations |
| | Safety & Prevention: (1) Disease Prevention & Control; (2) Safety & Injury Prevention; (3) Tabaco, Alcohol, Vaping, & Abuse Prevention |
| | Personal Community & Health: (1) Consumer Health & Resource Management; (2) Ecological Health; (3) Community & Public Health |