



Grade five students in the Schenectady City School District are screened three times per year for literacy to ensure that they are on track for reading proficiency.

### Grade 5

#### LITERACY MEASURES

- STAR
- Interim Assessments

If screening results indicate that a student is at risk of not achieving proficiency, teachers will administer a diagnostic assessment to help determine specific areas in need of reinforcement.

Students in grade 5 take New York State Assessments in English language arts and mathematics.

New York State learning standards outline what a student should know and be able to do by the end of the grade level or band. There are also skills that a well-rounded students should possess. Listed below are examples of the **Schenectady City School District Academic Expectations for Fifth Grade Students**. These should be viewed holistically and are not meant to determine promotion or retention. A student may demonstrate or be on track for proficiency without having mastered every skill. Teachers intervene as appropriate to support skill development.

#### READING

- Use combined knowledge of letter-sound correspondences, syllable types, AND morphology (roots and affixes) to read unfamiliar multisyllabic words
- Read and comprehend grade 5 literature (fiction) and informational (nonfiction) texts
- Read grade-level text with accuracy, appropriate rate, and expression
- Provide relevant and specific details from texts to support answers, inferences
- Determine a main idea, theme or central idea & explain how it is supported by key details; summarize a text
- Compare/contrast two or more texts, including overall structure
- Explain how a chapters or scenes fit together to provide story structure
- Describe how point of view influences the description of events
- Explain how claims in a text are supported by relevant reasons and evidence, identifying which reasons and evidence support which claims

#### WRITING AND LANGUAGE

- Demonstrate grade-appropriate use of spelling, grammar, usage, mechanics
- Write an argument to support claim(s) using clear reasons, relevant evidence
- Write informative texts to share relevant ideas and information
- Write narratives to develop real or imagined experiences or events using effective technique, descriptive details, and clear sequence
- Draw evidence from texts to respond to and support analysis, reflection, and research
- Use transition words (e.g., therefore, for example) to help develop key ideas
- Conduct research to answer questions and to build knowledge
- Take notes and create outlines using appropriate strategies

#### VOCABULARY

- Determine or clarify the meaning of unknown or multiple-meaning words and phrases, choosing from a range of strategies
- Explain the meaning of simple similes and metaphors in context
- Recognize and explain the meaning of common idioms, adages, and proverbs
- Relate words to their antonyms (opposites) and synonyms (similar meaning)

#### SPEAKING AND LISTENING

- Engage in collaborative discussions, give oral reports, share information and/ or recount an experience
- Express ideas clearly and build on others' ideas
- Come to discussions prepared, having read, or studied required material

**TIPS FOR PARENTS**

Set aside daily time for reading. Ask students questions about the books they have chosen. Read the book to yourself to foster better conversations.

Encourage students to select books about science, history, art, music, and famous people. Building background knowledge is important for comprehension.

Expect students to write daily, using the strategies they learn in school. Writing about what they read improves comprehension.

Play word games like “I Spy” to encourage oral language and build vocabulary.

Keep a “word log” for new words your child discovers.

Practice basic math facts by posing problems to solve mentally. Expect a quick response.

Involve your student in tasks at home that require math like cooking, measuring, building, etc.

Allow students to make a mistake and problem-solve a better solution.

Ask your child to communicate and defend their thinking on various topics.



**MATH**

**Grade Level Fluencies:** Multi-digit division; Multi-digit decimal operation

**Geometry:** Solve real-world math problems involving area, surface area, and volume

**Ratios and Proportional Relationships**

- Understand ratio concepts and use ratio reasoning to solve problem

**The Number System**

- Apply and extend previous understandings of multiplication and division to divide fractions by fractions
- Compute fluently with multi-digit numbers to the system of rational numbers

**Expressions and Equations**

- Extend previous understandings of arithmetic to algebraic expressions
- Reason about and solve-one variable equations and inequalities
- Use variable to represent and analyze quantitative relationships

**Statistics and Probability**

- Develop understanding of how a set of data varies by how it is collected
- Display and summarize numerical data in plots in a number line

**SCIENCE**

- Understand and apply scientific concepts, principles, theories related to the physical setting, Earth and space science, and the living environment
- Recognize the historical development of ideas in science: ecosystems and biomes; plant and animal characteristics; forces and motion; electricity; magnetism and electromagnetism; weather; the atmosphere; the Earth, moon, and sun
- Recognize that objects have properties that can be observed, describe, and/or measured (states of matter, density, temperature, conductor, etc.)
- Use scientific inquiry to show understanding of the scientific process and concepts by making observations and testing explanations; analyze using both conventional and invented methods to provide insights into phenomena

**SOCIAL STUDIES**

- Understand the history and geography of the Western Hemisphere (WH): development of cultures, civilizations, & empires; interaction between societies; comparisons of governments and economic systems of modern nations
- Introduction of archeology
- Examine complex societies and civilizations of the Mayas, Aztecs, and Incas
- Identify the relationship between geography, economics, government, and history in the Western Hemisphere
- Explore how the diverse geography of the Western Hemisphere has influence human culture and settlements in distinct ways.
- Examine the effects of European colonization on native populations and how it led to the transatlantic slave trade
- Compare and contrast key cultural characteristics and contributions associated with the United States with those associated with Canada, Mexico, and a country in either the Caribbean or South America
- Investigate and research the United States Government and historical documents and compare and contrast the government structures and functions of other governments

**ART**

- Use Elements and Principles of Art & Design to communication meanings and ideas
- Use various materials/tools, including digital technology, to promote creativity
- Analyze, reflect, discuss and interpret artwork, and identify artist inferences
- Research and discuss a variety of artworks from diverse cultures throughout time

**MUSIC**

- Sing alone and with others using steps, skips, repeated notes
- Listen to music and write descriptions of musical elements
- Compose simple melodies, rhythms, and multiple part songs
- Identify music styles including American folk, Blues/Jazz, Rock ‘n’ Roll
- Identify the main components of musicals including composer, lyricist, scenery, choreographer, characters, costumes

**PHYSICAL EDUCATION**

- Perform basic motor and manipulative skills
- Attain competency in a variety of physical activities
- Demonstrate safe, responsible, personal, and social behavior