



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 student should possess. Listed below are examples of the **Schenectady City School District Academic Expectations for Seventh 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 skills development.

READING

- Provide relevant and specific details from texts to support answers and inferences
- Identify theme and main ideas, and how structure contributes to development
- Analyze how elements of plot and individuals, events, and ideas are developed
- Analyze the author's purpose as well as character's point of view in a text

WRITING AND LANGUAGE

- Produce both on-demand and process writing in narrative, informational, argument, and research forms, using transitional words and phrases
- Use appropriate strategies to analyze text, take notes, and outline
- Produce writing with appropriate development, organization, and style

VOCABULARY

- Use context clues and knowledge of common Greek and Latin roots, prefixes, and suffixes to determine word meaning
- Demonstrate understanding of figurative language, word relationships and nuances in word meaning
- Acquire and use grade-appropriate general academic and content area words

SPEAKING AND LISTENING

- Engage effectively in one-on-one and group discussions with diverse partners, building on others' ideas and expressing their own clearly

MATH

Grade Level Fluencies (Ex: Solve $px + q = r$, $p(x + q) = r$)

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

Ratios and Proportional Relationships

- Analyze and use proportional relationships to solve problems

The Number System

- Extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers

Expressions and Equations

- Use properties of operations to generate equivalent expressions
- Solve problems using numerical and algebraic expressions and equations

Geometry

- Draw, construct, describe geometrical figures and relationships
- Solve problems using numerical and algebraic expressions and equations

Statistics and Probability

Grade 7

Assessments

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

Students take periodic assessments in mathematics, English language arts, science, and social studies to measure their progress toward the standards.

Grade 7 students also take New York State Assessments in mathematics and English language arts.

TIPS FOR PARENTS

Set aside a designated homework space. Your child should do schoolwork each night even if nothing is due right away. Students can review notes taken during class or read a novel or textbook.

Ensure your student has a system for recording dates that assignments are due. Help students map out due dates for each part of a project (bibliography, research, draft, revisions).

Designate quiet time every day for silent reading. Ask your students questions about the book they selected. Read the book. Yourself so you can talk about it together.

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

Expect your child to write daily. Encourage them to use the strategies they learn in school. Writing about what they have read improves comprehension.

As you child to solve basic math mentally. Expect a quick verbal response. Practice multiplication tables if answers are not automatic.

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

**SCIENCE**

- Understand and apply concepts, principles, theories related to chemistry, physics, and Earth science
- Recognize the historical development of ideas in science: scientific method; force and motion; energy; simple machines; electricity and magnetism; waves- sound, light, and the electromagnetic spectrum; energy resources; chemistry; multiple topics in Earth and space science
- Use scientific equipment to take measurement, using standard metric units
- Recognize that objects have properties that can be observed, describe, and/or measured (states of matter, density, temperature, volume, 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 different phenomena

SOCIAL STUDIES

- Examine the development of the first human settlements and the culture of Native American societies across North America
- Analyze economic, social, and geographic factors affecting life in colonial America
- Analyze causes of the Revolutionary War, the War itself, and NYS' role in the War
- Understand that the Constitution is the foundation of government and the rights of citizens and is a living document that responds to political and social change
- Analyze how westward expansion brought opportunity to some but harmed others
- Examine the causes of the 19th Century reform movements and NYS' role in reform
- Evaluate causes and outcomes of the Civil War

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

HOME & CAREER SKILLS

- Demonstrate management of consumer resources, clothing, age-appropriate finances, human development, interpersonal relationships, personal environments, and nutrition/wellness through hands-on, practical application
- Identify age-appropriate connections to the workplace by researching and exploring careers and their connection to the community

INTRODUCTION TO TECHNOLOGY

- Demonstrate problem solving using technology, management of technological resources, and the effects of technology on everyday life through practical application
- Research and explore careers related to the technological world around them
- Apply core skills and concepts to complete technological tasks effectively