Gwinnett’s curriculum for grades K–12 is called the Academic Knowledge and Skills (AKS) and is aligned to the state-adopted Georgia Standards of Excellence (GSE) in Language Arts, Mathematics, Science, and Social Studies for middle school students. Gwinnett’s AKS is a rigorous curriculum that prepares students for college and 21st century careers in a globally competitive future.

The AKS for each grade level spells out the essential concepts students are expected to know and skills they should acquire in that grade or subject. The AKS offers a solid base on which teachers build rich learning experiences. Teachers use curriculum guides, technology, and instructional resources to teach the AKS and to make sure every student is learning to his or her potential.

The Academic Knowledge and Skills curriculum was developed by our teachers, with input from our parents and community, in response to Gwinnett County Public Schools’ mission statement:

The mission of Gwinnett County Public Schools is to pursue excellence in academic knowledge, skills, and behavior for each student resulting in measured improvement against local, national, and world-class standards.

Read on to find out more about what your child will learn during 7th grade and how you can support your child’s learning at home. We encourage you to talk to your child about what he or she is learning.

WELCOME TO 7TH GRADE!
The Student Portal is an online environment that gives students access to their online course pages, a selection of digital textbooks that correspond to the individual student’s class schedule; additional resources, such as the Student/Parent Handbook; links to websites that support what students are learning; the online research library; a media catalog; databases of general reference materials; eBooks; and the student’s grades. By the end of 7th grade, all students are expected to:

- Use words, patterns in words, and word meanings to read fluently and comprehend effectively in all texts and activities;
- Apply grade-appropriate language skills in writing;
- Self-monitor to correct errors when reading and writing, and talk with and listen to peers about one’s reading and writing to become lifelong readers and writers; and
- Use reading and writing to communicate through listening, speaking, and viewing.

**Balanced Literacy**

Teachers follow these principles to determine the best teaching methods, strategies, and materials to meet the needs of our students:

- Learning to read and write is a complex process with many facets.
- Reading and writing are integrated into all subjects—Language Arts, Mathematics, Science, Social Studies, and Connections classes.
- Reading and writing are about experiencing language in all aspects of learning and real-world experiences, not merely practicing isolated skills.
- Reading and writing are interconnected forms of communication that emerge from listening and speaking.
- There is no “one way” to teach reading or writing. Teachers will incorporate a wide variety of teaching strategies to teach every student.
- Learning to read and write occurs along a developmental progression of stages.
- All students can learn to read and write along this developmental progression with guided instruction.
- Knowing where each student is developmentally enables teachers to plan, teach, and evaluate appropriately.

**Reading**

7th graders read and write to communicate through a variety of forms, including interactions with peers and adults. They work to become critical readers and viewers of media resources. Students have a variety of learning experiences, including group work, presentations, and multimedia viewing, in order to prepare them as competent communicators.

**Language (Grammar, Spelling, and Vocabulary)**

By the end of the year, students should demonstrate a command of Standard English in reading, writing, speaking, and listening. They should be able to determine the meanings of words and phrases and be able to apply grade-appropriate, academic vocabulary.

**Writing**

At this grade level, students write narrative, informational, and argumentative pieces with well-defined ideas and organizational structures. 7th graders use the elements of writing style—audience awareness, voice, and rich, descriptive language—to make their writing interesting and informative. They use grade-appropriate grammar, spelling, Capitalization, and punctuation in their writing. Students revise and edit their own work.

**Speaking and Listening**

7th graders read and write to communicate through a variety of forms, including interactions with peers and adults. They work to become critical readers and viewers of media resources. Students have a variety of learning experiences, including group work, presentations, and multimedia viewing, in order to prepare them as competent communicators.

**Literacy Tips for Parents**

- Writing poetry and keeping a journal are great creative outlets and writing exercises.
- Encourage your student to expand reading tastes and explore new genres. Recommended book lists from school are a great place to start.
- Look for opportunities for your student to enter writing contests.

**MYeCLASS Student Portal Information**

Gwinnett County Public Schools’ Student Portal is MYeCLASS. The Student Portal is an online environment that gives students access to their online course pages, a selection of digital textbooks that correspond to the individual student’s class schedule; additional resources, such as the Student/Parent Handbook; links to websites that support what students are learning; the online research library; a media catalog; databases of general reference materials; eBooks; and the student’s grades.

Students log into MYeCLASS using their GCPS student number and the password they create at the beginning of the school year. MYeCLASS is available around the clock, from any device with an Internet connection. Find a link from the GCPS home page at www.gwinnett.k12.ga.us.
Mathematics

In the Mathematics classroom, students grow into confident, competent problem-solvers. They develop their understanding and use of numbers as they explore how mathematics connects to the real world. As they apply their learning in context, students develop their ability to think critically, reason mathematically, and communicate effectively.

Learning in 7th grade focuses on developing an understanding of the number system, ratio and proportional relationships, geometry, statistics and probability, and expressions and equations. By the end of 7th grade, students should be able to do the following:

- Apply and extend previous understanding of operations with fractions to add, subtract, multiply, and divide rational numbers;
- Analyze proportional relationships and use them to solve real-world and mathematical problems;
- Use numerical and algebraic expressions and equations to solve real-world and mathematical problems;
- Use properties of operations to generate equivalent expressions;
- Investigate, develop, use, and evaluate probability models;
- Describe the relationships between geometric figures;
- Use random sampling to draw population inferences; and
- Work with radicals and integer exponents.

7th grade students use a number of strategies and tools as they learn math. They use a variety of representations to demonstrate their knowledge, such as verbal/written, numeric/data-based, graphical, and symbolic. Students use protractors, technology, data, and problem-solving strategies.

- Together, look for and identify similar shapes in architecture, fashion, and printed materials.
- Discuss integers (both positive and negative numbers) in real-world financial situations, including economic news about credit cards, debt, and mortgages.
- Encourage your student to find graphs and tables in newspapers and magazines. Ask your child to interpret what he reads.

Math Tips for Parents

Science

Exploration in life science is nurtured through a hands-on approach in 7th grade. Students explore concepts in the many branches of life science. They develop lab experience using the steps of the scientific method. Students further develop scientific skills—observing, collecting and analyzing data, making measurements, and making conclusions.

Science and Engineering Practices

7th graders use scientific-process skills. They collect data, develop a hypothesis, and manipulate variables. They construct explanations and arguments based on their findings. The lab experience in 7th grade emphasizes safe practice. Students learn the value of asking questions and designing solutions.

Types of Life Science

Classification and Ecology

7th grade students classify organisms from simple to complex. They evaluate life processes of living organisms. Students compare and contrast different organisms. They investigate the interdependence of all organisms on one another and their environment. Students explore how environmental changes can affect the survival of individual organisms and entire species.

Evolution

7th graders examine the evolution of living organisms and explain how physical characteristics of species have changed over time. Using data from a variety of sources, students trace the history of changing life forms.

Cells and Genetics

Students study the basic components of plant and animal cells. They evaluate the structure and function of each component of a cell and describe how cells move and reproduce. Students explore how biological traits are passed from parents to offspring. They evaluate the role of genes and chromosomes.

- With your student, collect plastic, aluminum, paper, and other recyclable materials for home pick-up, or drop off recyclables at a recycling center.
- Build a family tree dating back as far as you can. On the tree, trace the presence of common traits your student can observe in family photos.

Science Tips for Parents

Social Studies

GCPS’ Social Studies program prepares students to participate as constructive citizens in a democratic society. Students understand their role and responsibility as citizens. They discover America’s heritage and its role and responsibility in the world. Students relate the past to the present. They learn the similarities and differences between nations, cultures, and peoples of the world. Students interpret maps and globes, process information, and solve problems. Students will learn how beliefs and ideas influence decisions and laws, how conflict causes change, how actions affect society, and how the movement of people and the spreading of ideas affect everyone.

- Talk family finances. Help your student see the process for deciding what you can and can’t afford, and trade-offs involved.
- Show interest in your student’s research. Have your middle schooler explain the project to you. What topic is he researching? What does he want to know? What does he already know?

Civics Tips for Parents

Interpretive Skills/Where We Live/Personal Finance

7th graders extend their understanding of maps and the impact of geography on historical and current events. Students formulate appropriate research questions. They interpret political cartoons. Students examine personal money management in terms of income, spending, credit, saving, and investing.

Our Nation

Middle school students continue the examination of challenges in a global society. 7th graders study contemporary and traditional issues affecting Africa, South and East Asia, and the Middle East. Students look at early civilizations and major developments in the regions studied. They compare and contrast governments, economic systems, and cultural characteristics. Students explain how location, climate, resources, population, and other characteristics make an impact on a region's development.
Health and Physical Education Connections

Each year, middle school students are encouraged to take one semester of Health and one semester of Physical Education as Connections classes.

Health
In Health classes, students learn how to live a healthy lifestyle and reduce the risks linked with illness and injury. They learn the consequences of unhealthy behaviors. At a grade-appropriate level, students explore these issues—relationships with others, drug use and misuse, personal and community safety, Internet safety, nutrition, disease prevention, family interactions, the influence of peer groups, anatomy, and physiology. Students develop tools needed to make healthy choices when facing the difficult decisions of a maturing adolescent.

7th graders identify life-threatening emergencies and appropriate responses. They analyze environmental, genetic, and behavioral factors that influence health. Students discriminate between risk-taking and healthy behaviors and the consequences. 7th graders analyze the effects of illegal drug use, including steroids. Students analyze media influence on illegal drug use. They study the prevention, detection, and control of infectious diseases and sexually transmitted diseases (STDs). 7th graders examine the consequences of sexual behavior. They examine how the birth of a child and parental responsibilities change lives. Students examine body image in relation to weight control. They discuss the effects of safe and unsafe weight-loss programs. Students demonstrate respect for self and others. 7th graders identify ways to deal with stress.

Physical Education (PE)
Physical Education emphasizes lifetime fitness, physical activity, and skill development. Through carefully planned classes, students learn the importance of physical activity—for their health and for their success in school. The curriculum promotes fitness as students acquire skills and develop physically. They understand physical and anatomical changes during the formative years.

In PE, 7th grade students learn fitness concepts and participate in fitness assessments. Each student’s fitness assessment report will be distributed to his or her parents during the school year, depending on the student’s schedule. They learn how physical activities enhance their health. Students develop movement and motor skills, such as throwing, catching, kicking, and hitting a variety of objects. They practice conditioning principles to enhance performance. Students learn offensive and defensive strategies and cooperation through a variety of activities.

Fine Arts, Academic, and Career and Technical Connections

Through the Connections Program, middle school students explore areas of study outside the core academic areas. Each quarter, students take two Connections classes. Options vary from school to school, but generally fall into three areas—fine arts, academic, and career/technical. Schools also may offer enrichment classes that extend learning in a core area, such as Language Arts or Mathematics, or classes that enhance study skills. Following are general descriptions of some Connections classes. Talk to your child’s school to learn more about available programs.

Music
Students have many and varied opportunities to experience Music at the middle school level. They may choose to participate in Band, Chorus, General Music, Guitar, Piano, Music Technology, or Orchestra. Music instruction builds on prior knowledge and skills from previous grade levels. Content, instruction, student performance, and evaluation methods become increasingly sophisticated at each grade or skill level. Students learn through performing. Middle school musicians learn to respond to and critique music. They understand music in relation to history and culture. Students demonstrate expressive and technical skills in vocal or instrumental performance. They improvise, compose, and arrange music. The middle school Music program prepares students for Music studies in high school.

Visual Arts
The middle school Visual Arts program addresses the diverse abilities, experiences, and exposure that students bring to the classroom. The program offers experiences in the arts that promote creativity as well as problem-solving and critical-thinking skills. In class, students create artwork in various media with numerous techniques. They use the elements and principles of art in their work. Students have opportunities to exhibit their work. Research shows that experience in the Visual Arts improves Math achievement, analytical reasoning, and other learning skills.

Theatre Arts
Theatre Arts students explore acting and improvisation. They learn the basic techniques of acting and character and voice development as well as presentation skills and scriptwriting. Older students learn beginning technical theatre skills, such as lighting and staging. Students may choose to perform in local school productions and participate in clubs and workshops.

Dance
Dance is offered at some Gwinnett middle schools and encourages students to study movement, physical fitness, and health through the Fine Arts. Opportunities to perform are provided regularly for students in these programs. Students can study at beginning and advanced levels. They also are encouraged to explore these skills through programs in our community.

(continued)
Connections (continued)

Foreign Language
This introductory class focuses on language, customs, cultures, and geography for the areas where the language is spoken. Students learn practical vocabulary through a variety of written and oral activities. While language offerings vary, schools may choose to offer Spanish, French, German, and/or Latin at one or more grade levels, usually as an 18-week class. Some schools offer a year-long class (7th and/or 8th grades) that allows students to begin high school language study at a more advanced level.

Journalism
This writing-centered course exposes students to a variety of media formats. Students learn the skills to communicate clearly and concisely. The curriculum draws heavily on 7th grade Language Arts skills. The class covers standards for publication, knowledge of ethics in journalism, and career opportunities.

Career and Technical Education
Connections classes in Career and Technical Education expose middle school students to college and career options. The courses are exploratory in nature so students can identify a career or field that interests them. Each course introduces students to a variety of career pathways through hands-on, real world projects. Students learn transferable skills for success in high school and beyond.

Connections that may be available at your student's middle school include:
- Business Administration and Finance
- Career Connections
- Computer Science
- Engineering and Technology
- Family and Consumer Science
- Junior Leadership Corps
- Marketing

Other Connections Opportunities
Connections offerings vary from school to school. These and other classes also may be available at your student's middle school:
- Peer Leadership
- Academic Support and Enrichment in core subjects
- Research
- Study Skills

Special Education and Psychological Services
GCPS’ Department of Special Education and Psychological Services focuses on meeting the educational needs of students with disabilities, beginning at age 3. They must meet the eligibility requirements set by the Georgia Department of Education. GCPS provides comprehensive special education programs and services, including assessment and interventions.

Gifted Education
The GCPS Gifted Education program, called PROBE at the middle school level, provides academic challenges for students who are intellectually advanced. The program offers valuable learning opportunities that are advanced in content. Gifted education classes offer experiences that extend GCPS’ AKS curriculum, and develop students’ thinking strategies and processes. Classes are taught by teachers with gifted certification. Students served through the Gifted Education program meet eligibility requirements set by the state. Both student performance and results on national assessments are used to determine a child’s participation in the program.

English to Speakers of Other Languages
Students whose primary or home language is other than English and who are not yet proficient in English are provided with support services through the English to Speakers of Other Languages (ESOL) program until they attain proficiency. ESOL instruction develops skills in listening, speaking, reading, and writing in social and instructional language as well as in the academic language of language arts, mathematics, science, and social studies. Students learning English are taught by highly qualified teachers who are fully certified experts in their field.

Tips for Parents on 10 Things You Can Do to “Be There” for Your Student

**BE…**
- **An Involved Parent…** Be attentive, aware, together
- **A Role Model…** Be caring, engaged, influential
- **A Cheerleader…** Be supportive, positive, fun
- **A Partner…** Be encouraging, working together
- **Their Favorite Teacher…** Be there for teachable moments

**A Friendly Critic…** Be patient, accepting, flexible
**An Advisor…** Be ready to help, share your experiences
**A Good Communicator…** Be a talker, a listener, stay connected
**A Lifelong Learner…** Be inquisitive, share, read together
**An Advocate…** For your student, school, community, public education

Learn more about the AKS for Connections online.

Specialized Programs and Services
The school system provides a variety of specialized programs and services, including Title I, English to Speakers of Other Languages (ESOL), Special Education, Gifted Education, and alternative education programs. Guidance, social work, and psychological services provide for students’ emotional and physical needs, along with limited clinic services for all students and specialized nursing support for medically fragile children. The School Nutrition Program operates cafeterias in every GCPS school. Some programs and services have eligibility requirements and require testing for admission. On this page and the next, learn more about some of these programs and services.
Character Education

The school system supports a mandate from the Georgia General Assembly requiring all schools to teach character education. Society and culture are tied together through common threads that guide the way we live, work, and learn. These common beliefs are taught at home and reinforced by the community, schools, religious institutions, and youth service groups. These basic tenets guide the way Gwinnett County teachers teach and the way the school system conducts the business of teaching and learning. Character education is thoroughly embedded in the AKS curriculum.

Advisement and Counseling

School counselors support students in their overall academic success. Counselors build strong relationships with their students by delivering comprehensive, data-driven programming through core lessons in the classroom, small-group counseling, and individual counseling sessions. In addition, counseling programs focus on students’ postsecondary planning and career readiness. They help students explore and plan for high school and career options, develop social/emotional life skills, and have a successful school experience. Gwinnett middle school students participate in an advisement program. This program builds meaningful connections between adults and students and promotes success in the areas of academic achievement, career and postsecondary planning, and social/emotional learning. Grade-level lessons address relevant concepts designed around the four pillars of Advisement—Relationships, Respect, Resiliency, and Careers.

Technology/Information & Media Literacy

The school media program contributes to your student’s academic achievement and prepares him or her to live and work in our information-rich society. Available resources include books and magazines for pleasure reading and research, an online catalog for locating materials, and computers that provide access to online instructional resources that are age-appropriate. In a GCPS media center, your student will find a state certified, full-time media specialist who supports teaching and learning and encourages lifelong reading. The media specialist collaborates with teachers to help your student learn to locate, analyze, evaluate, interpret, and communicate information and ideas.

About Testing

Gwinnett County Public Schools measures student achievement in a number of ways to ensure students are learning the AKS curriculum. Students participate in classroom, district, and state assessments. Our assessment program helps teachers monitor students’ academic progress. Assessment data and information pinpoints students’ strengths and weaknesses. This focus allows teachers to plan targeted instruction that promotes each student’s success.

Testing in 7th Grade

The Georgia Department of Education administers the Georgia Milestones Assessment System (Georgia Milestones) which is a comprehensive assessment program. Students in grade 7 take an end-of-grade assessment in Language Arts and Mathematics. Learn more about testing on the GCPS website, or talk to your student’s teacher.

For more information about the AKS, please visit www.gwinnett.k12.ga.us and click on “The AKS” in the “I want to… Get a copy of…” pull-down menu.