

Mathematics

(The learner will...)

- Use linear algebra to represent, analyze and solve problems
- Use and apply geometric properties of plane figures, including congruence and the Pythagorean theorem
- Use symbolic algebra to represent situations and solve problems, especially those that involve linear relationships
- Solve linear equations, systems of linear equations and inequalities
- Understand and apply the properties of parallel and perpendicular lines
- Use equations, tables and graphs to analyze and interpret linear functions
- Use and understand set theory and simple counting techniques
- Determine the theoretical probability of simple events
- Make inferences from statistical data, particularly data that can be modeled by linear functions
- Have available a variety of technology to help and enhance the learning experience
- Use critical thinking to reason and evaluate mathematical arguments

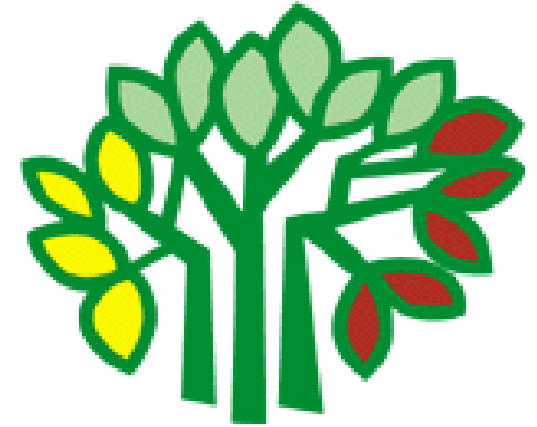
Curriculum Connections

We believe children learn best as they experience the world around them. Your eighth grader will have the opportunity to attend many culturally diverse field trips and activities within our own community. Children will participate in activities such as the following:

- Atlanta Motor Speedway
- Aqualand
- High Museum
- Atlanta Botanical Gardens
- Phillips Arena
- Red Ribbon Week
- Booth Western Art
- IMAX Theater
- C.D.C. Tour – Atlanta Campus
- Space Camp – Overnight
- Cobb County Youth Museum
- Participate in School Science Fair
- Participate in Project Showcase
- Family Science & Math Nights
- Seasonal Giving Tree

McGinnis Woods

Country Day
School



8th Grade

Skill Expectations



Inspiring Students
with the Passion
to Excel

Language Arts

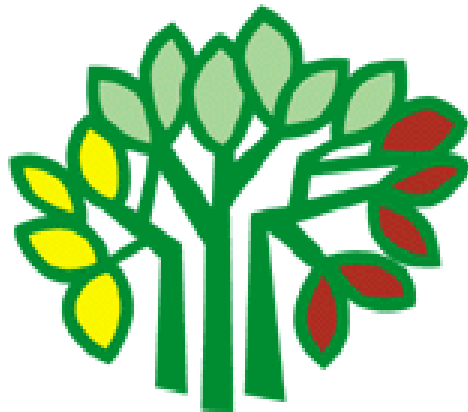
(The learner will...)

- Compare and contrast genre characteristics from two or more selections of literature.
- Evaluate the structural elements of the plot (e.g., subplots, climax), the plot's development, and the way in which conflicts are (or are not) addressed and resolved
- Analyze and evaluate common textual features (e.g., paragraphs, topic sentences, concluding sentences, introduction, conclusion, footnotes, index, bibliography)
- Identify a variety of Georgia authors.
- Use the appropriate application of conventions and grammar in both written and spoken formats
- Follow an organizational pattern appropriate to the type of composition.
- Give oral presentations and organize information to achieve particular purposes and appeal to the background and interests of the audience.
- Use multimedia for presentations

Writing Skills

(The learner will...)

- Plan and draft independently and resourcefully
- Produce final drafts/presentations that demonstrate accurate spelling and the correct use of punctuation and capitalization.
- Produce writing that establishes an appropriate organizational structure
- Demonstrate competence in a variety of genres
- Use research and technology to support writing



McGINNIS WOODS
Country Day School

Social Studies

(The learner will...)

- Study of Georgia
- Study Georgia geography, history, government, and economics
- Explain and map the geography of Georgia
- Discuss and understand the workings of the government in Georgia
- Review U.S. historical events
- Discuss Georgia's role in the history of the United States

Science

(The learner will...)

- Study Physical Science
- Explain the Nature of Matter
- Explore conceptual acid/base – phase changes
- Know the Law of Conservation of Matter
- Know the Law of Conservation of Energy
- Understand electrical/magnetic forces
- Explain wave properties