

Mathematics

(The learner will...)

The Number System

- Know that there are numbers that are not rational, and approximate them by rational numbers

Expressions and Equations

- Work with radicals and integer exponents
- Understand the connection between proportional relationships, lines and linear equations
- Analyze and solve linear equations and pairs of simultaneous linear equations

Functions

- Define, evaluate and compare functions
- Use functions to model relationships between quantities

Geometry

- Understand congruence and similarity using physical models, transparencies, or geometry software
- Understand and apply the Pythagorean Theorem
- Solve real-world and mathematical problems involving volume of cylinders, cones and spheres

Statistics and Probability

- Investigate patterns of association in bivariate data

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:

- Shakespeare's Tavern
- Georgia Bar Association
- Alliance Theatre
- Atlanta Botanical Gardens
- High Museum
- Red Ribbon Week
- Carlos Museum
- National Archives at Atlanta
- Center for Disease Control
- Spring Overnight
- Participate in School Science Fair
- Participate in Project Showcase
- Family Math & Science Night
- International Night

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, and 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
- Read 25 books of various genres

Writing Skills

(The learner will...)

- Plan and draft independently and resourcefully
- Produce final drafts and 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 and recognize the Six Traits of Writing
- Use research and technology to support writing
- Provide supporting details and cite information accurately



McGINNIS WOODS
COUNTRY DAY SCHOOL

Social Studies

(The learner will...)

- Study and map the geography of Georgia and the specific aspects of each region
- Study the flora, fauna, weather and economics of Georgia
- Review historical events of Georgia
- Discuss Georgia's role in the history of the United States
- Discuss and understand the workings of the government in Georgia

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