

A GUIDE

for

SEVENTH GRADE



2018-2019

MISSION STATEMENT

The mission of Wilson County Schools is to provide an educational environment which creates success for all students through the community working together.

FOREWORD

The middle school years are important in the academic development of our children. In middle school, children are making the transition from elementary school to high school. These years are very important years academically, yet often very challenging as children enter the adolescent years. The middle school program in Wilson County is designed to help our students develop physically, emotionally, and academically.

Our curriculum is strong and is constantly improving to meet the changing needs of our middle school students. This guide is designed to provide parents an overview of the academic program to which their children will be exposed.

Our middle schools have been continuously improving and you should expect our schools to continue to get better and better. We are glad to have your child in one of our middle schools. We expect it to be a great experience for your child in preparation for high school.

Wilson County Middle Schools

Phone Numbers

David Lyndon (Executive Director of Secondary Education)	399-7779
Daniels Learning Center	399-7900
Darden Middle	206-4973
Elm City Middle	236-4148
Forest Hills Middle	399-7913
Speight Middle	238-3983
Springfield Middle	237-4250
Toisnot Middle	399-7973

STUDENT EXPECTATIONS FOR ACADEMIC ACHIEVEMENT

Component I: Report Card

Students are expected to pass all four core area subjects (language arts, mathematics, social studies and science).

Component II: End-of-Grade Tests (Reading & Mathematics)

Students are expected to score Level III, IV, or V on the reading and mathematics End-of-Grade Tests.

Component III: Attendance

Students are expected to be in attendance a minimum of 90 % of the school year.

CORE AREA SUBJECTS

GRADE 7 MATHEMATICS

Grade Seven Mathematics is designed to teach these **major concepts**:

- Analyze proportional relationships and use them to solve real-world and mathematical problems
- Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers
- Use properties of operations to generate equivalent expressions
- Solve real-world and mathematical problems using numerical and algebraic expressions, equations, and inequalities
- Draw, construct, and describe geometrical figures and describe the relationships between them
- Solve real-life and mathematical problems involving angle measure, area, surface area, and volume
- Use random sampling to draw inferences about a population
- Draw informal comparative inferences about two populations
- Investigate chance processes and develop, use, and evaluate probability models

Foundations of Math I is designed to teach these **major concepts**:

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

- Draw, construct, and describe geometrical figures and describe the relationships between them
- Solve real-life and mathematical problems involving angle measure, area, surface area, and volume
- Investigate chance processes and develop, use, and evaluate probability models
- Work with radicals and integer exponents
- Analyze and solve linear equations and pairs of simultaneous linear equations
- Define, evaluate and compare functions
- Understand congruence and similarity using physical models, transparencies, or geometry software
- Solve real-world and mathematical problems involving volume of cylinders, cones and spheres
- Extend the properties of exponents to rational exponents
- Write expressions in equivalent forms to solve problems
- Perform arithmetic operations on polynomials
- Understand the relationship between zeros and factors of polynomials
- Solve equations and inequalities in one variable
- Solve systems of equations
- Use coordinates to prove simple geometric theorems algebraically
- Summarize, represent, and interpret data on a single count or measurement variable
- Interpret linear models

GRADE 7 ENGLISH LANGUAGE ARTS

Grade Seven English Language Arts is designed to teach these **major concepts**:

READING

- Read closely to determine what the text says explicitly and make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from text
- Determine central ideas or themes of a text and analyze their development; summarize the key supporting details and ideas
- Analyze how and why individuals, events, and ideas develop and interact over the course of a text
- Interpret words and phrases as they are used in a text, including determining technical, connotative, and figurative meanings, and analyze how specific word choices shape meaning and tone
- Analyze the structure of texts, including how specific sentences, paragraphs, and larger portions of the text relate to each other and the whole
- Assess how point of view or purpose shapes the content and style of a text

- Integrate and evaluate content presented in diverse formats and media, including visually and quantitatively, as well as in words
- Delineate and evaluate the argument and specific claims in a text, including the validity of the reasoning as well as the relevance and sufficiency of the evidence
- Analyze how two or more texts address similar themes or topics in order to build knowledge or to compare the approaches the authors take
- Read and comprehend complex literary and informational texts independently and proficiently

WRITING

- Write arguments to support claims in an analysis of substantive topics or texts, using valid reasoning and relevant and sufficient evidence
- Write informative / explanatory texts to examine and convey complex ideas and information clearly and accurately through the effective selection, organization, and analysis of content
- Write narratives to develop real or imagined experiences or events using effective technique, well-chosen details, and well-structured event sequences
- Use digital tools and resources to produce and publish writing and to interact and collaborate with others
- Conduct short as well as more sustained research projects based on focused questions, demonstrating understanding of the subject under investigation
- Gather relevant information from multiple print and digital sources, assess the credibility and accuracy of each source, and integrate the information while avoiding plagiarism

GRADE 7 SOCIAL STUDIES

Grade Seven Social Studies is designed to teach these **major concepts**:

- Use historical thinking to analyze various modern societies
- Understand the implications of global interactions
- Understand how geography, demographic trends, and environmental conditions shape modern societies and regions
- Apply the tools of a geographer to understand modern societies and regions
- Understand the economic activities of modern societies and regions
- Understand the development of government in modern societies and regions
- Understand how cultural values influence relationships between individuals, groups and political entities in modern societies and regions

GRADE 7 SCIENCE

Grade Seven Science is designed to teach these **major concepts**:

- Understand motion, the effects of forces on motion and the graphical representations of motion
- Understand forms of energy, energy transfer and transformation and conservation in mechanical systems
- Understand how the cycling of matter (water and gases) in and out of the atmosphere relates to Earth's atmosphere, weather and climate and the effects of the atmosphere on humans
- Understand the processes, structures and functions of living organisms that enable them to survive, reproduce and carry out the basic functions of life
- Understand the relationship of the mechanisms of cellular reproduction, patterns of inheritance and external factors to potential variation among offspring

CULTURAL ARTS ELECTIVES

GRADE 7 ART

This class is available to students who desire an exposure to art. Skills will be developed in areas such as drawing, painting, designing, printmaking, sculpture and crafts. Students will be encouraged to broaden their perception and appreciation of art and to formulate opinions and judgments based upon their experiences. Throughout the course, associations will be made between the students, their environments and man and his dependence on art.

GRADE 7 CHORUS

This seventh grade course is designed for students who have had a limited amount of formal choral experience. Vocal technique studies and music reading will be emphasized. Students will be introduced to a wide variety of roles related to music, and opportunities will be provided to explore ways of participating in musical activities.

GRADE 7 BAND

This seventh grade course is for students who have a strong desire to be a part of a band and willingness to practice many hours the skills taught in class. Students are expected to provide their own instruments.

OTHER ELECTIVES

GRADE 7 HEALTH / PHYSICAL EDUCATION

This course is designed to enhance the quality of life of individuals by teaching skills to meet their needs in the healthiest way available to them. Topics taught include mental health, nutrition, chemical and substance abuse, consumer health, safety and first aid, family life, communicable diseases, conflict resolution and wellness. Physical education activities provide students with the skills necessary to remain physically active and fit throughout their lives.

GRADE 7 CAREER-TECHNICAL EDUCATION

The Wilson County Schools middle school program offers several electives in the Career and Technical Education area. Programs represented vary across the district and include:

- Technology Design and Innovation
- Exploring Family and Consumer Science
- Exploring Business, Marketing, and Entrepreneurship
- Exploring Career Decisions
- Computer Skills and Applications
- Exploring Biotechnology - Health Science
- Exploring Biotechnology - Agri-Science
- Exploring Agricultural Science

Individual schools may offer additional elective courses as student interest warrants.

**To view a complete listing of course objectives, visit
<http://www.ncpublicschools.org/curriculum/>**