

Mission Statement:
"All Means All"

"We will ensure that all students acquire skills and knowledge necessary to be successful and responsible citizens."



Family Guide
Eighth Grade
GEOMETRY

Anson County Schools
2010

“Although your child
will have many
teachers in life,
You
are the most
influential teacher”

Anson County Schools

Elementary Schools

Ansonville Elementary School	- 704-826-8337
Lilesville Elementary School	- 704-848-4975
Morven Elementary School	- 704-851-9306
Peachland-Polkton Elementary School	- 704-272-8061
Wadesboro Elementary School	- 704-694-9383
Wadesboro Primary School	- 704-694-4423

Middle School

Anson Middle School	- 704-694-3945
---------------------	----------------

High Schools

Anson Academy-Ombudsman	- 704-694-3348
AC Early College High School	- 704-272-5396
Anson High School	- 704-694-9301
Anson New Technology High School	- 704-694-7447

Social Studies Skills to be Mastered in Grade 8

Skills:

Your child should be able to:

5. evaluate the impact of political, economic, social, and technological changes on life in North Carolina from 1870 to 1930.
6. analyze the immediate and long-term effects of the Great Depression and World War II on North Carolina.
7. analyze changes in North Carolina during the post-war period to the 1970's.
8. evaluate the impact of demographic, economic, technological, social, and political developments in North Carolina since the 1970's.
9. explore examples of and opportunities for active citizenship, past and present, at the local and state levels.

Mastery Includes:

11. **the ability to identify reasons for American involvement in each of the World Wars.**
12. **the ability to evaluate New Deals policies made during the Depression Era.**
13. **the ability to identify opposing sides during each of the World Wars.**
14. **the ability to analyze the impact of World War II on the lives of women and minorities.**
15. **the ability to analyze the social and economic effects of Civil Rights legislation on the Southern States during the decline of the Jim Crow Era.**
16. **the ability to recite key freedoms and government functions.**

Suggestions to help your child:

- **Share with your child the big events during your life**
- **Read newspapers, magazines, and articles related to social studies**
- **Watch historical documentaries and discuss**

Letter from Superintendent

Dear Families:

This guide is written to help you understand the Anson County School District's grade level standards. These standards are defined by the North Carolina Standard Course of Study. Promotion depends upon students meeting these standards.

We believe that educating children is a partnership of responsibility. This partnership is between home and school. According to research, parent participation is essential for student success. We hope this booklet provides you with some helpful information.

It includes:

- Skills to be mastered for this grade level
- Tasks your child can perform to show mastery for this grade level
- Suggestions for you to help your child

There are a variety of opportunities for parent involvement at the building and district level. If you are interested, contact your school principal.

Sincerely,

Dr. Greg Firm
Superintendent

Social Studies Skills to be Mastered in Grade 8

Parent Information

Resources Available at main website www.ansonschools.org
-Click on left hand tab titled Parent/Student Resources
and Lunch Menus

[School Calendar](#)

[Lunch Menus](#)

[School Lunch Information](#)

[Information about Medications and Immunizations](#)

[Pre-K and Kindergarten Registration](#)

[NC Virtual Public School](#)

[UNCG 's iSchool](#)

[Strategic Commitments](#)

[College Foundation of NC](#)

[Connect-Ed](#)

[Seasonal Flu Information](#)

[Health Information and Forms](#)

[HPV Information](#)

[Parent Website Links](#)

[Supplemental Educational Services](#)

[NC Child and Family Team](#)

[Sports](#)

For additional information call your child's school or the Anson County Schools. If you do not have internet access to the above reports call your child's school. They will supply you the information that you are requesting.

Skills:

Your child should be able to:

1. analyze important geographic, political, economic, and social aspects of life in the region prior to the Revolutionary Period.
2. trace the causes and effects of the Revolutionary War, and assess the impact of major events, problems and personalities during the constitutional Period in North Carolina and the new nation.
3. identify key events and evaluate the impact of reform and expansion in North Carolina during the first half of the 19th century.
4. examine the causes, course and character of the Civil War and Reconstruction, and their impact on North Carolina and the nation.

Mastery Includes:

1. the ability to identify key individuals associated with the Revolutionary Era.
2. the ability to identify causes and effects of the Revolution.
3. the ability to apply map skills to historical context.
4. the ability to analyze primary sources.
5. the ability to identify important reformers associated with Antebellum America.
6. the ability to identify key individuals and events of the American Civil War.
7. the ability to analyze the effects of the Reconstruction Era.
8. knowledge of the Populist Party.
9. evaluating the positive impact of Teddy Roosevelt's administration.
10. the ability to identify key inventors of the late 1800s - early 1900s.

Suggestions to help your child:

- **Daily discuss with your child the learning that occurred**
- **Daily review your child's agenda**
- **Become familiar with SchoolNotes and/or eChalk to review assignments**
- **Daily watch local and national news reports and discuss**

Science Skills to be Mastered in Grade 8

Skills:

Your child should be able to:

1. design and conduct investigations to demonstrate an understanding of scientific inquiry.
2. demonstrate an understanding of technological design.
3. conduct investigations and utilize appropriate technologies and information systems to build an understanding of the hydrosphere.
4. conduct investigations and utilize technology and information systems to build an understanding of chemistry.
5. conduct investigations and utilize technology and information systems to build an understanding of evidence of evolution in organisms and landforms.
6. conduct investigations and utilize technology and information systems to build an understanding of cell theory.
7. conduct investigations and utilize technology and information systems to build an understanding of microbiology.

Mastery Includes:

1. knowledge of the scientific inquiry method.
2. the ability to use technologies and information systems.
3. understanding the value and sustainability of resources.
4. the ability to describe how humans affect the quality of resources.
5. knowing what is required for the health of environments and organisms.
6. the ability to identify substances based on characteristic physical properties.
7. the ability to identify evidence supporting the law of conservation of matter.
8. the ability to identify evidence that some chemicals may contribute to human health conditions.
9. knowing how rocks, fossils, and ice cores record Earth's geologic history and the evolution of life.
10. the ability to state evolutionary theories and processes.
11. knowledge of cell theory.
12. the ability to analyze structures, functions, and processes within animal cells.
13. knowledge that animal cells carry on complex chemical processes to balance the needs of the organism.
14. the ability to describe diseases caused by microscopic biological hazards.

Suggestions to help your child:

- **Reinforce Scientific Thinking:** Make a "Question Collection" and periodically choose a question to initiate a science exploration or activity.
- **Assess Science Skills:** Help him/her understand the important role they will play in their future.
- **Motivate:** Look for current events that excite children and adults.
- **Model Scientific Curiosity:** Bring in newspaper or TV news articles to stimulate discussion. Share them with your child, and tell them what you find exciting or interesting. Ask question aloud and encourage your child to ask, too.

Strategic Commitment

The Anson County Schools will engage, promote, and partner with parents and community to ensure all students meet or exceed state and community academic learning standards:

Anson County Schools: 704-694-4417

www.ansonschools.org

Superintendent:	Dr. Greg Firm
Deputy Superintendent:	Mrs. Frances Williamson
Accountability:	Mr. Michael McLeod
Teaching & Learning:	Mr. Michael Freeman
Exceptional Children:	Mrs. Glendora Hagins
Career & Technical Education:	(704)694-4177
Food Services:	Mrs. Angela Griffin
Bus/Transportation:	Mr. Corey Davis at (704)694-2925

Anson County Schools will contact you through our **Connect Ed Call System** if school is cancelled, with school related opportunities, meetings, or other information related to school events. Please make sure that the school your child is attending has the correct phone number.

We are constantly seeking your input. Surveys will periodically be conducted to determine the thoughts of parents and community. We encourage you to take the time to complete the survey giving us your thoughts on the matter being surveyed.

Please contact us with any concerns, questions, or thought that you have. We want to hear from you.

Healthful Living Skills to be Mastered in Grade 8

Table of Contents

Language Arts/Reading Skills to be Mastered in Grade 8

Computer/Technology Skills to be Mastered in Grade 8

Geometry Skills to be Mastered in Grade 8

Healthful Living Skills to be Mastered in Grade 8

Science Skills to be Mastered in Grade 8

Social Studies Skills to be Mastered in Grade 8

Skills	Mastery
Your child should be able to:	Student should be able to:
7. demonstrate understanding of movement concepts, principles, strategies and tactics as they apply to the learning and performance of physical activities.	7. choosing not to participate in the use of performance enhancing drugs, alcohol, and other drugs as a result of understanding the social, emotional, economic, and physical consequences of usage.
8. exhibit a physically active lifestyle.	8. choosing to exercise at a vigorous exercise rate for 60 minutes daily.
9. show evidence of an acceptable level of health-related fitness and be familiar with factors that benefit performance	9. utilizing technology to research personal wellness.
10. exhibit responsible personal and social behavior that respects self and others at the same time as values physical activity for health, enjoyment, challenge, self-expression and/or social interaction.	10. demonstrating advanced skill in team, individual, or dual activities including dance.
	11. understanding safety guidelines for participation in safe physical activity.

Suggestions to help your child:

- Check each student's agenda book for special communication and "Make Your Day" points daily
- Check eChalk or SchoolNotes for daily assignments, homework, special event messages, etc.

Healthful Living Skills to be Mastered in Grade 8

Skills

Your child should be able to:

1. develop knowledge and skills to enhance mental and emotional well-being.
2. develop knowledge and skills to enhance personal and consumer health.
3. develop healthy and effective interpersonal communication and relationship skills.
4. apply knowledge and behavior self-management skills to areas of nutrition and physical activity for healthy growth, development and maintenance.
5. choose not to participate in substance abuse.
6. demonstrate competency in a variety of movement forms and proficiency in a few to gain competence towards lifetime physical activities.

Mastery

Student should be able to:

1. **understanding the facts that affect health and apply this understanding when making decisions.**
2. **being prepared to correctly perform the Heimlich maneuver and CPR when necessary.**
3. **analyzing media messages before making purchasing decisions.**
4. **recognizing the signs and symptoms of depression and seek help for yourself and/or others when necessary.**
5. **balancing caloric intake with expenditure.**
6. **recognizing the signs and symptoms of eating disorders and seek help for yourself and/or others when necessary.**

Suggestions to help your child:

- **Encourage your son/daughter to dress out in the school-issued Physical Education uniform**
- **Promote the importance of healthy life choices through decisions and eating habits**
- **Encourage your son/daughter to participate in physical activity at school and home**

Language Arts/Reading Skills to be Mastered in Grade 8

Skills

Your child should be able to:

1. use language to express individual perspectives through analysis of personal, social, cultural, and historical issues.
2. use and evaluate information from a variety of resources.
3. continue to refine the understanding and use of argument.
4. continue to refine critical thinking skills and create criteria to evaluate print and non-print materials.
5. respond to various literary genres using interpretive and evaluative processes.
6. apply conventions of grammar and language usage.

Suggested Summer Reading

Absolutely Normal Chaos by Sharon Creech
Artificial Intelligence by Phillip Margulies
Computer Game Developer by Mary Firestone
Edgar Allan Poe: A Biography by Milton Meltzer
Flipped by Wendelin Van Draanen
Pillow of Clouds by Marc Talbert
Touching Spirit Bear by Ben Mikaelson

Mastery

Student should be able to:

1. **read to make an informed decision on things happening in the community, what movie to see, what even to attend, etc.**
2. **read for pleasure and be able to discuss what is read with others.**
3. **read efficiently and make connections to his or her life, other books, and the world.**
4. **write a letter.**
5. **effectively communicate specific needs and desires.**
6. **compare what is seen, read and heard (comparing a movie to the book, or two movies, etc.).**

Suggestions to help your child:

Ask your child to tell you what he or she is reading.
What is happening in the book so far?
Why do you like that book?
What is your favorite part so far?

More importantly, take a moment to read with your child. Show him or her that reading is important by modeling that behavior. Read the same book with your child and discuss it. These moments will bring you closer together and show your child that you value him or her and what they do.

Computer/Technology Skills to be Mastered in Grade 8

Skills

Your child should be able to:

1. understand important issues of a technology-based society and should be able to exhibit ethical behavior in the use of computer and other technologies.
2. demonstrate knowledge and skills in the use of computer and other technologies.
3. use a variety of technologies to access, analyze, interpret, synthesize, apply and communicate information.

Mastery

Students will be able to:

1. know ethical behavior related to security, privacy, passwords and its consequences of misuse.
2. know about copyright laws.
3. know how to cite sources in content area.
4. know about multimedia tools/concepts used in projects/presentations.
5. use variety of technology tools to needed to plan, design, & develop multimedia projects.
6. use evaluation tools to choose Internet resources & information for content areas assignments.
7. know advantages/disadvantages and terminology in word processing.
8. use proper keying technique needed for accuracy and speed.

Suggestions to help your child:

- Discuss with your child the importance of proper keying techniques needed at the computer.
- Practice giving timed assignments to measure their speed and accuracy.
- Discuss with your child why it is important not to share passwords or personal information on the computer.

Geometry Skills to be Mastered in Grade 8

Skills:

Your child should be able to:

1. perform operations with real numbers to solve problems.
2. use geometric and algebraic properties of figures to solve problems and write proofs.
3. transform geometric figures in the coordinate plane algebraically.

Mastery

Student should be able to:

1. use the trigonometric ratios.
2. use length, circumference, area, perimeter, surface area, and volume of geometric and composite figures.
3. use length, area, and volume to model and solve problems involving probability.
4. use logic and deductive reasoning.
5. apply properties, definitions, and theorems of angles and lines.
6. apply properties, definitions, and theorems of two-dimensional figures.
7. develop and apply properties of solids.
8. describe the transformation (translation, reflection, rotation, dilation).
9. use matrix operations (addition, subtraction, multiplication, scalar multiplication).

Suggestions to help your child:

- Parents should check their child's homework, math notebook, and agenda on a regular basis.
- Encourage your child to do his or her best on every assignment.
- Parents should check eChalk for daily assignments.
- Encourage your child to ask questions of the teacher and/or peers.
- Make sure your child has the required tools and materials at home and in school everyday.
- Encourage your child to attend peer tutoring for additional assistance.