

# 6th-8th Course Catalog

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2019-2020

Norphlet Middle School



science technology engineering mathematics

# Smackover-Norphlet Public Schools



**John Gross, Superintendent**

**Keith Coleman, Norphlet Middle School Principal**  
**Stacy Jerry, Norphlet Middle School Counselor**

600 School Street, Norphlet, Arkansas 71759  
Phone: (870) 546-1003 Fax: (870) 546-1060

Spring, 2019

Dear Parents and Students,

The Smackover-Norphlet School District is pleased to present you with this Course Description Catalog to help you make wise choices in planning an appropriate schedule. This catalog was prepared to aid students, parents, and guardians in making course selections for the upcoming year.

Parents and students are encouraged to study the course information and choose courses for the following year with an overall plan in mind. The staff of the middle school can and will provide advice and support to students, parents, and guardians, but ultimately, the student is accountable for his/her own success in school. The teachers, counselor, and administrators are your greatest source of information when making course selections for the coming year. Please consult us for more information about each course we offer.

We look forward to every student having a meaningful and relevant learning experience at the middle school. Should you need to call the school for more information, please call 546-1003.

Respectfully,

Middle School Administrators, Counselor, Faculty, and Staff

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## English Language Arts

<b>English 6</b>			
Grade:	6	Course Number:	366110
Level:	Regular	Length of Course:	Year
<p>In grade 6, students will proficiently read grade-appropriate complex literature and informational text while further developing the ability to cite textual evidence to support analyses. Students focus on examining how authors use reasons to make their points and support arguments with evidence, separating unsupported assertions from those backed by evidence. Students will learn how writers try to influence readers while discovering how they can do the same in their own prose. They discover how to answer questions through writing and can use rewriting opportunities to refine their understanding of a text or topic.</p>			

<b>English 6 Pre-AP</b>			
Grade:	6	Course Number:	36611P
Level:	Advanced	Length of Course:	Year
Prerequisite:	Teacher Recommendation and ACT Aspire Test Scores		
<p>English 6 Pre-AP uses the same standards covered in English 6, except in greater depth. This course is designed to prepare students for AP English classes offered in eleventh and twelfth grades.</p>			

<b>English 7</b>			
Grade:	7	Course Number:	377110
Level:	Regular	Length of Course:	Year
<p>In grade 7, students will demonstrate their ability to read challenging complex texts closely and cite multiple instances of specific evidence to support their assertions. Student writing is more structured, with clear introductions and conclusions as well as useful transitions to create cohesion and clarify relationships among ideas. In their writing, they acknowledge the other side of a debate or an alternative perspective while avoiding any trace of plagiarism.</p>			

<b>English 7 Pre-AP</b>			
Grade:	7	Course Number:	37711P
Level:	Advanced	Length of Course:	Year
Prerequisite:	Teacher Recommendation and ACT Aspire Test Scores		
<p>English 7 Pre-AP uses the same standards covered in English 7, except in greater depth. This course is designed to prepare students for AP English classes offered in eleventh and twelfth grades.</p>			

<b>English 8</b>			
Grade:	8	Course Number:	388110
Level:	Regular	Length of Course:	Year
<p>In grade 8, students will read complex nonfiction texts and great works of literature. Starting in grade 8, the focus of informational texts begins to shift from narrative to exposition. Students who leave grade 8 know how to cite the textual evidence that most strongly supports an analysis or critique. Grade 8 students write with increasing sophistication, focusing on organizing ideas, concepts, and information into broader categories; choosing relevant facts well; and using varied transitions to clarify or show the relationships among elements.</p>			

<b>English 8 Pre-AP</b>			
Grade:	8	Course Number:	38811P
Level:	Advanced	Length of Course:	Year
Prerequisite:	Teacher Recommendation and ACT Aspire Test Scores		
<p>English 8 Pre-AP uses the same standards covered in English 8, except in greater depth. This course is designed to prepare students for AP English classes offered in eleventh and twelfth grades.</p>			

## Mathematics

<b>Math 6</b>			
Grade:	6	Course Number:	366310
Level:	Regular	Length of Course:	Year
<p>In grade 6 mathematics, students will focus on ratios and proportional relationships, the number system, expressions and equations, geometry, and statistics and probability.</p>			

<b>Math 6 PreAP</b>			
Grade:	6	Course Number:	36631P
Level:	Advanced	Length of Course:	Year
Prerequisite:	Teacher Recommendation and ACT Aspire Test Scores		
Students enrolled in Math 6 PreAP will use problem solving strategies to demonstrate understanding of mathematics concepts in greater depth. This is an accelerated math course which will cover all of the 6 <sup>th</sup> grade mathematics standards as well as half of the 7 <sup>th</sup> grade mathematics standards. This course will help to prepare students to take Algebra I in the eighth grade for high school credit.			

<b>Math 7</b>			
Grade:	7	Course Number:	377310
Level:	Regular	Length of Course:	Year
In grade 7 mathematics, students will increase their knowledge and understanding of ratios and proportional relationships, the number system, expressions and equations, geometry, and statistics and probability.			

<b>Math 7 PreAP</b>			
Grade:	7	Course Number:	37731P
Level:	Advanced	Length of Course:	Year
Students enrolled in Math 7 PreAP will use problem solving strategies to demonstrate understanding of mathematics concepts in greater depth. This is an accelerated math course which will cover the second half of the 7 <sup>th</sup> grade mathematics standards as well as the 8 <sup>th</sup> grade mathematics standards. This course will help to prepare students to take Algebra I in the eighth grade for high school credit.			

<b>Math 8</b>			
Grade:	8	Course Number:	388310
Level:	Regular	Length of Course:	Year
Students enrolled in Math 8 will concentrate on the number system, expressions and equations, functions, geometry, and statistics and probability to prepare them for Algebra I.			

<b>Algebra I Pre-AP</b>			
Grade:	8	Course Number:	43000P
Level:	Advanced	Length of Course:	Year
Prerequisite:	Teacher Recommendation and ACT Aspire Test Scores		
Algebra I Pre-AP I is a two-semester course which focuses on properties of rational and irrational numbers, reasoning, expressions, equations, polynomials, inequalities, and functions. Students will also learn about modeling and data.			
Students who successfully complete Algebra I in eighth grade will receive credit for the course towards high school graduation. This will allow students to take more advanced math courses in their junior and senior years of high school.			

## Science

<b>Science 6</b>			
Grade:	6	Course Number:	366210
Level:	Regular	Length of Course:	Year
During Science 6, students will actively investigate topics of interest, learn how energy is transferred, discover ways that plants and animals have adapted to their environment, research selective breeding in plants and animals, explore landforms in Arkansas, and use available technology to research contemporary scientists.			

<b>Science 6 PreAP</b>			
Grade:	6	Course Number:	36621P
Level:	Advanced	Length of Course:	Year
Prerequisite:	Teacher Recommendation and ACT Aspire Test Scores		
Science 6 Pre-AP uses the same Arkansas Frameworks covered in Science 6, except in greater depth. This course is designed to prepare students for AP Science classes offered in eleventh and twelfth grades.			

<b>Science 7</b>			
Grade:	7	Course Number:	377210
Level:	Regular	Length of Course:	Year
<p>During Science 7, students will discover how science explains the world around us, use a microscope for scientific observations, classify plants and animals into major groups, observe the life cycle of a butterfly or other common animal, identify the systems of the human body and their major functions, learn about the effects of heredity and the environment, identify natural resources used to supply energy needs, create models of common compounds, identify various climate regions on a world map, and study the career of a scientist, such as a climatologist or geneticist.</p>			

<b>Science 7 PreAP</b>			
Grade:	7	Course Number:	37721P
Level:	Advanced	Length of Course:	Year
Prerequisite:	Teacher Recommendation and ACT Aspire Test Scores		
<p>Science 7 Pre-AP uses the same Arkansas Frameworks covered in Science 7, except in greater depth. This course is designed to prepare students for AP Science classes offered in eleventh and twelfth grades.</p>			

<b>Science 8</b>			
Grade:	8	Course Number:	388210
Level:	Regular	Length of Course:	Year
<p>Science 8 students will research the influence of global water currents on regional weather, distinguish between a physical change and a chemical change and identify examples of each, create atomic models of common elements, explain why inherited characteristics of living things depend on genes; use simple Punnett Squares to study genetic crosses, identify natural physiographic divisions on a map of Arkansas, learn about energy sources, research the greenhouse effect including how human activity may influence climate change, use topographical maps to identify surface features, and research how the moon's gravity affects Earth's ocean tides.</p>			

<b>Science 8 PreAP</b>			
Grade:	8	Course Number:	38821P
Level:	Advanced	Length of Course:	Year
Prerequisite:	Teacher Recommendation and ACT Aspire Test Scores		
<p>Science 8 Pre-AP uses the same Arkansas Frameworks covered in Science 8, except in greater depth. This course is designed to prepare students for AP Science classes offered in eleventh and twelfth grades.</p>			

## Social Studies

<b>Social Studies 6</b>			
Grade:	6	Course Number:	366710
Level:	Regular	Length of Course:	Year
<p>Social Studies 6 will provide students information focused on civics, economics, geography, and history. The major historical emphasis on this course will include world history from the beginning of civilization to 1500 C.E.</p>			

<b>Social Studies 6 PreAP</b>			
Grade:	6	Course Number:	36671P
Level:	Advanced	Length of Course:	Year
Prerequisite:	Teacher Recommendation and ACT Aspire Test Scores		
<p>Social Studies 6 Pre-AP uses the same Arkansas Frameworks covered in Social Studies 6, except in greater depth. This course is designed to prepare students for AP Social Studies classes.</p>			

<b>Arkansas History</b>			
Grade:	7	Course Number:	378720
Level:	Regular	Length of Course:	Semester
<p>Arkansas History provides a study of the history of Arkansas. The course addresses the geographic features and economics of our state, focusing on political, social, religious, military, scientific, and cultural developments that have occurred over time. This one semester course stresses application, problem-solving, higher-order thinking skills, and use of classroom performance based/open-ended assessments with rubrics.</p>			

<b>Arkansas History PreAP</b>			
Grade:	7	Course Number:	37872P
Level:	Advanced	Length of Course:	Semester
Prerequisite:	Teacher Recommendation and ACT Aspire Test Scores		
Arkansas History Pre-AP uses the same Arkansas Frameworks covered in Arkansas History, except in greater depth. This course is designed to prepare students for AP Social Studies classes.			

<b>Social Studies 7</b>			
Grade:	7	Course Number:	377710
Level:	Regular	Length of Course:	Semester
Grade 7 Social Studies will provide students with an in depth study of physical and human geography with an emphasis on culture as students study the hemispheres, regions, and continents of the world. Students will also learn about how culture have changed over time.			

<b>Social Studies 7 PreAP</b>			
Grade:	7	Course Number:	37771P
Level:	Advanced	Length of Course:	Semester
Prerequisite:	Teacher Recommendation and ACT Aspire Test Scores		
Social Studies 7 Pre-AP uses the same Arkansas Frameworks covered in Social Studies 7, except in greater depth. This course is designed to prepare students for AP Social Studies classes.			

<b>Social Studies 8</b>			
Grade:	8	Course Number:	388710
Level:	Regular	Length of Course:	Year
Social Studies 8 embeds the study of civics, economics, and geography into a study of United States history from the 1820s to 1900.			

<b>Social Studies 8 PreAP</b>			
Grade:	8	Course Number:	38871P
Level:	Advanced	Length of Course:	Year
Prerequisite:	Teacher Recommendation and ACT Aspire Test Scores		
Social Studies 8 Pre-AP uses the same Arkansas Frameworks covered in Social Studies 8, except in greater depth. This course is designed to prepare students for AP Social Studies classes.			

## *Career and Technical Education*

<b>Introduction to Business</b>			
Grade:	7-8	Course Number:	388930
Level:	Regular	Length of Course:	Year
Introduction to Business is a course designed to highlight each of the career clusters and pathways for the Department of Career Education. Emphasis is placed on the following: understanding the importance of Career and Technical Student Organizations (CTSO), soft skill development, and Business Management, Information Technology, Finance, Hospitality and Tourism, Marketing career clusters and pathways as offered at the high school level.			

<b>Career Development</b>			
Grade:	8	Course Number:	399280
Level:	Regular	Length of Course:	Semester
Career Development includes awareness of self and the world of work with planning, preparation and pursuance of a satisfying and fulfilling career. The major goal of Career Development is to prepare students to take responsibility and become engaged in their own futures. Through Career Development, students will be able to progress through the educational environment with viable education, training, and career plans for transition to adult life. Students will have the fundamental knowledge to take advantage of learning opportunities while adapting to changing personal needs and trends of local, national, and global economies.			

<b>Keyboarding</b>			
Grade:	7	Course Number:	399050
Level:	Regular	Length of Course:	Semester
<p>This course is designed to help students develop speed and accuracy by learning the touch operation of alphanumeric/keyboard characters. Emphasis is placed on the following: mastery of the keyboard with desirable keyboarding techniques, development of speed and accuracy, and proper care of the equipment. Keyboarding is foundational for developing entry-level skills for business careers.</p>			

## STEM (Science, Technology, Engineering, and Math)

<b>Automation and Robotics</b>			
Grade:	6	Course Number:	399110
Level:	Regular	Length of Course:	Semester
<p>Students trace the history, development, and influence of automation and robotics as they learn about mechanical systems, energy transfer, machine automation, and computer control systems. Students use the VEX Robotics® platform to design, build, and program real-world objects such as traffic lights, toll booths, and robotic arms.</p>			

<b>Design and Modeling</b>			
Grade:	6	Course Number:	399120
Level:	Regular	Length of Course:	Semester
<p>Students apply the design process to solve problems and understand the influence of creativity and innovation in their lives. They work in teams to design a playground and furniture, capturing research and ideas in their engineering notebooks. Using Autodesk® design software, students create a virtual image of their designs and produce a portfolio to showcase their innovative solutions.</p>			

<b>Flight and Space</b>			
Grade:	7	Course Number:	399250
Level:	Regular	Length of Course:	Semester
<p>The exciting world of aerospace comes alive through Flight and Space. Students explore the science behind aeronautics and use their knowledge to design, build, and test an airfoil. Custom-built simulation software allows students to experience space travel.</p>			

<b>Science of Technology</b>			
Grade:	7	Course Number:	399140
Level:	Regular	Length of Course:	Semester
<p>Science impacts the technology of yesterday, today, and the future. Students apply the concepts of physics, chemistry, and nanotechnology to STEM activities and projects, including making ice cream, cleaning up an oil spill, and discovering the properties of nano-materials.</p>			

<b>Computer Science for Innovators and Makers</b>			
Grade:	8	Course Number:	378650
Level:	Regular	Length of Course:	Semester
<p>Throughout the unit, students will learn about programming for the physical world by blending hardware design and software development, allowing students to discover computer science concepts and skills by creating personally relevant, tangible, and shareable projects.</p>			

<b>Medical Detectives</b>			
Grade:	8	Course Number:	399180
Level:	Regular	Length of Course:	Semester
<p>Students play the role of real-life medical detectives as they analyze genetic testing results to diagnose disease and study DNA evidence found at a “crime scene.” They solve medical mysteries through hands-on projects and labs, investigate how to measure and interpret vital signs, and learn how the systems of the human body work together to maintain health.</p>			

## Electives

<b>Art, Music, Physical Education, and Health Wheel 6</b>			
Grade:	6	Course Number:	Art – 366510 Music – 366560 Physical Education – 366810 Health - 366850
Level:	Regular	Length of Course:	Year
All sixth grade students will participate in an elective wheel to gain an introductory foundation to art, music, physical education, and health.			

<b>Physical Education and Health</b>			
Grade:	7, 8	Course Number:	7 <sup>th</sup> Grade – 377810 and 377850 8 <sup>th</sup> Grade – 388810 and 388850
Level:	Regular	Length of Course:	Semester
All seventh and eighth grade students will participate in a semester long physical education and health course in which students will be introduced to a variety of lifetime sports and learn about the impact of diet, nutrition, and choices related to personal health.			

<b>Art</b>			
Grade:	6, 7, 8	Course Number:	358510
Level:	Regular	Length of Course:	Year
Students will create, perform, respond to, and connect with a variety of different visual arts genres in the hands-on course.			

<b>Athletics</b>			
Grade:	7, 8	Course Number:	358810
Level:	Regular	Length of Course:	Year
Students will develop the fundamental skills necessary to be successful on athletic sports team while playing competitively against other teams within the school's athletic division.			

<b>Instrumental Music (Beginning Band)</b>			
Grade:	6, 7, 8	Course Number:	358540
Level:	Regular	Length of Course:	Year
Students will develop the foundational instrumental music skills in order to create, perform, respond to and connect with a variety of instrumental music genres.			

<b>Instrumental Music (Junior Band)</b>			
Grade:	7, 8	Course Number:	358540
Level:	Regular	Length of Course:	Year
Students will further develop their foundational instrumental music skills in order to create, perform, respond to and connect with a variety of instrumental music genres.			
<b>Prerequisite: Beginning Band</b>			

<b>Recreational Sports</b>			
Grade:	6, 7, 8	Course Number:	999990
Level:	Regular	Length of Course:	Year
Students participating in Recreational Sports will learn the rules and foundational skills necessary to engage in lifetime sports such as archery, badminton, golf, and volleyball.			

<b>Vocal Music</b>			
Grade:	6, 7, 8	Course Number:	358530
Level:	Regular	Length of Course:	Year
Students will develop the foundational vocal music skills in order to create, perform, respond to and connect with a variety of vocal music genres.			

