



Pangburn Middle School
8TH GRADE SCIENCE SYLLABUS



COURSE TITLE: 8TH GRADE SCIENCE **TERM:** 2017-18
TEACHER: Andrew Sills **ROOM #:** 208

Email Address	Andrew.Sills@PangburnSchools.org
Teacher Web Page	http://andrewsills.weebly.com/
Remind 101	Text the message @sills8 to the number 81010
Teacher Support	Mornings starting at 7:30am (by appointment) or during mentor time

COURSE DESCRIPTION

Welcome to 8th grade science, an innovative course based on the framework for the Next Generation Science standards (NGSS). NGSS focuses on science and engineering practices; Earth, life and physical science core ideas; and fundamental crosscutting concepts vital to relating the various fields of science and developing a scientific world view. The course provides the student opportunities to engage in inquiry-based investigations, STEM (Science Technology Engineering Mathematics) projects, and other dynamic activities. Hands-on and online activities encourage the student to make connections, collaborate, and reflect on his or her learning.

COURSE CURRICULUM CONTENT

TOPICS OF STUDY	
<ul style="list-style-type: none"> • States of Matter • Periodic Table • Atomic Structure • Chemical Reactions • Forces • Density and Buoyancy 	<ul style="list-style-type: none"> • Motion • Solutions • Earth, Moon and Sun • Solar System • Engineering and Design
This is the concept outline, given by the standard for the state of Arkansas. For a more detailed description, please see http://www.arkansased.gov/public/userfiles/Learning_Services/Curriculum%20and%20Instruction/Frameworks/Science/revised_Arkansas_5-8_Science_Standards_Topic_Arrangement.pdf	

INSTRUCTIONAL MATERIALS AND SUPPLIES

Published Materials	Instructional Supplies
Spark Education LMS (online) https://pangburn.sparkeducation.com/courses/listunits/1165	<ul style="list-style-type: none"> • Binder with dividers & paper for organizing class work • Pens (blue or black ink only) and pencils • College or Wide Ruled Composition Notebook

EVALUATION AND GRADING

Assignments	Grade Weights	Grading Scale
Coursework will consist of reading, independent practice, lab activity (including lab reports), unit tests, quizzes, and a final exam.	Course work will be graded on a typical points-based system where each question in every assignment is assigned a certain number of points. The final grade for the course is then calculated as a percentage of points earned out of points possible.	A: 90 and above B: 80 – 89 C: 70 – 79 D: 60 – 69 F: 59 or below

OTHER INFORMATION

Expectations for Academic Success	Additional Requirements/Resources
1) Read daily & Ask questions 2) Work all homework problems 3) Participate constructively as a team member 4) Challenge yourself to continuously improve	<ul style="list-style-type: none"> • Tutoring available (during mentor time) • https://www.khanacademy.org/science • Lab Safety Procedures/Syllabus (signed) • Appropriate lab attire

Student's Signature: _____ Parent's Signature: _____