



South Williamsport Area School District
Course Plan Template

Teacher: Michael Allison	School Year: 2014-15
Course: Earth & Space Science	Intended Grade Level: 7
Course Summary: An introduction to the study of the composition, structure, and processes of the earth, its geological history and its place in the universe.	
Course Outcomes: <i>By the end of the course, students will know:</i> scientists and their contributions, tools used, internal and external parts of Earth, layers of atmosphere, describe interactions of human with their environment <i>By the end of the course, students will be able to:</i> explain theories in the formation of our universe and Earth, record data with the use of scientific instruments, interpret data and make predictions with the use of models, identify internal and external forces of the composition of Earth and explain their results, write multi-paragraph informational pieces	
Standards Targeted¹ PA Core – Science / Technology	
Units of Study	
Units Topic	Primary Learning Outcome
Geology	Relate Earth features / processes that change the earth
Astronomy	Describe essential ideas about the composition/structure of the Universe/Earth's place in it
Meteorology	Explain basic elements of the atmosphere/ its effect on the human population
Hydrology	Explain the behavior / impact of the Earth's water systems
Ecology	Describe characteristics of the environment, its' surroundings / interactions of living and non-living things.

¹ Indicate primary Standards emphasis:

- PA Core - Math / ELA / Science & Technology / History & Social Studies
- National Content Standards (Name and Type)
- Industry Recognized Standards (Name and Type)



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Advanced Learner Recommendations	
Extended research on topics covered. Complete more than the recommended requirement for the "news article" summary assignment.	
Struggling Learner Recommendations	
Hard copy of notes provided for each unit. Make "flash cards" of vocabulary for each unit.	