

Pennsylvania Academic Standards for Science and Technology

Natural Gas Fulfillment		Pennsylvania Academic Standards for Science and Technology						
Primary Grades K - 3		Science Standards for students by 4th grade						
State Goals		3.1.4	3.2.4	3.4.4	3.5.4	3.6.4	3.7.4	3.8.4
	Page	Unifying Themes	Inquiry & Design	Physical Science, Chemistry & Physics	Earth Science	Technology Education	Technological Devices	Science, Technology & Human Endeavors
Natural Gas Fun and Safety activity book								
Prehistoric Model Making	5	A,B	C			B	A,B	B
Balloon Brew	7	B	A-C	B	B	A,B	A,B	A,B
Safety Sniffing	9		C			B	A,B	A
Natural Gas Trek	13	A,B	B,C				A,B	
A-maze-ing Natural Gas Pipelines	15	A			B	B		A,B
Home Safety Search	19					B		
Transportation Testing	23	B	B,C	C			A,B	
Pass the Sack	27	B			B			B,C
Natural Gas Inventing	29	A,B				B,C		
Natural Gas Safety Survey	33							A-C
NATURAL GAS BASICS experiments								
The Search for Natural Gas	CD	A,B	A-C		B		A,B	B
The Natural Gas Store	CD		A-C	A	B		A,B	
Environmental Safety Search	CD	A,B				B		B
Meter Reader Relay	CD					B		B
Natural Gas at Work	CD					B		B
Create a Commercial	CD							B
Natural Gas Mobile	CD					B		B
Natural Gas Hide 'N Seek	CD					B		B
Makin' Gas	CD		A-C	A	B		A,B	
Mix N Match	CD					B		B
Burn It Blue	CD		A-C	A	B		A,B	
Hi Tech Future	CD					B		B

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Natural Gas Fun and Safety activity book	Page	Unifying Themes	Inquiry & Design	Physical Science, Chemistry & Physics	Earth Science	Technology Education	Technological Devices	Science, Technology & Human Endeavors
Natural Gas Haiku	CD							B

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Natural Gas Fun and Safety activity book								
More Experiments								
What is a Gas? (background)	CD			A				
What is a Gas Like?	CD	B	A,B	C				
More About Gas	CD	B	A,B	C				
Does Air Really Push Upward?	CD	B	A,B	C				
Hot and Cold Air	CD	B	A,B					
Making a Mixture of Solids, Liquids	CD		A-C				A,B	
Burning Air	CD		A-C	A,B			A,B	
Candle Wax Vaporizes Before it Burns	CD		A-C	A,B			A,B	
How Fast Does a Candle Burn?	CD		A-C	A,B			A,B	
Incomplete Burning	CD		A-C	A,B			A,B	B
Making Carbon Dioxide Gas	CD		A-C	A,B			A,B	
Carbon Dioxide in Exhaled Air	CD		A-C	A,B			A,B	
Natural Gas Safety Poster		A	A,C	A	B	A		B
Think! Energy Poster								
Energy Safe and Energy Wise Assessment						A		B