

8th grade December to February: Changes in Our Land and People

	Topic/Resources	Standards	Essential Questions	Project/Product	
Science	<ul style="list-style-type: none"> Energy Choices Coal: formation, types, extraction, use and impacts 	<u>Science & Technology</u> 3.1.10.A, B 3.2.10.A, B, C 3.4.10.B 3.5.10.A, B 3.8.10.A	<u>Environment & Ecology</u> <u>4.2.10.A,B,C,D</u> 4.3.10.A, B 4.8. 10.A, B,C, D 4.9.10.A.	<ul style="list-style-type: none"> What does the energy come from for my home and my school? What is fossil fuel? How is coal mined? How is electricity generated? How is electricity from coal similar to/different from other energy generation methods? What are the inputs and outputs? What is the relationship between coal and the number one water pollution problem in Pennsylvania? 	<p>Project 1: <i>Build a Swamp</i>—How coal is formed, make written observations.</p> <p>Project 2: Role Play Projects: Take on the persona of an immigrant to NEPA during this time period</p> <ol style="list-style-type: none"> <i>Journal Questions (SS)</i>—Pick a job from the time period, and create an authentic name for an immigrant in that era. Research the culture from the time period and write accordingly <i>I Am Poem (LA)</i>—Create a poem about you as that person and one about yourself now
Social Studies	<ul style="list-style-type: none"> Coal Mining/ Immigration/ Industrial Revolution Environmental/ Economics Growing Up In Coal Country by Bartoletti When Coal Was King by Lewis Poliniak The Coal King Slaves Primary Sources www.archives.gov/education/lessons/worksheets/	<u>History</u> 8.1.9A,B,C,D 8.2.9 A,B,C,D 8.3.9A,B,C,D <u>Economics</u> 6.3.9A,B,C,E 6.5.9A	<u>Geography</u> 7.1.9A,B, 7.3.9 A,D,E 7.4.9A,B <u>Civics & Govt.</u> 5.1.9E,H,J 5.2.9 A,B,C 5.4.9 B,C	<ul style="list-style-type: none"> How did coal mining in northeast Pennsylvania contribute to the creation of towns and cities in the region and beyond? How did the coal mining industry influence the types of immigrants that moved to NEPA? How did immigration relate to coal mining? What were the reasons that miners and mill workers formed labor unions? What role did child labor play in this development? Who were the key players in the movement? What is the environmental legacy of the industrial revolution? (See last question in science) 	<ol style="list-style-type: none"> <i>Create a Village(SS)</i>—Make up a patch village in the classroom and present a role play activity. Take on the persona of an immigrant to NEPA. Write a resume for yourself and your immigrant persona (LA) <p>Project 3: Research paper regarding job or assigned person: Breaker boy, nipper/spragger, mule driver, miner's buddy/miner, mother/wife, mill worker, mine owner, union activist (Mother Jones, JP Morgan, Clarence Darrow, John Mitchell)</p> <p>Project 4: <i>Create a Poster- Make a poster that will entice immigrants to move to northeastern PA to work in the mines.</i></p>

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Language Arts	<ul style="list-style-type: none"> Coal: A Human History Coal Miner’s Bride Breaker Growing Up in Coal Country Counting on Grace Optional (Immigration) Becoming Naomi Leon, Esperanza Rising, and the Immigration series 	<u>Writing</u> 1.4A,B,C, H 1.5 A, B,,D <u>Speaking & Listening</u> 1.6,D,E	<u>Reading</u> 1.1E,F,G,H 1.2A,C 1.3B,C,F <u>Research</u> 1.8	<ul style="list-style-type: none"> What are the key features in non-fiction texts? How to analyze and write poetry with a focus on figurative language How to analyze literary devices (ex: character development, theme, point of view) How to respond critically to your reading (ex: essential vs. nonessential, fact vs. opinion) What are the key components of conducting an interview? What are the key components of an advertisement of a descriptive essay? 	<p>Project 5: Heritage Research A. Make and bring in recipes from the culture studied. Create a “Coal Country Immigrants” recipe book (can be fundraiser as well). SS B. Create an advertisement for the cookbook. LA C. Interview family members to create a family history. Learn interviewing skills. Take digital images as part of storytelling. D. Write a descriptive essay about a family tradition or story LA E. Create a business plan for the creation and selling of cookbook SS</p> <p>Project 6:. Geological Timeline of PA showing formation of coal</p> <p>Field Trip: Coal Mine & Museum</p>
Technology	<ul style="list-style-type: none"> Digital Storytelling—Personal Narrative <p>Windows Movie Maker, Picassa, Internet, Digital resources</p>	<u>Science and Technology</u> 3.6.7 B 3.7.7 C, D, and E	<ul style="list-style-type: none"> How can technology be used effectively to communicate stories to a wide variety of audiences? What types of technological tools (i.e. cameras, scanners, audio recorders, etc) are needed for effective digital storytelling? 		