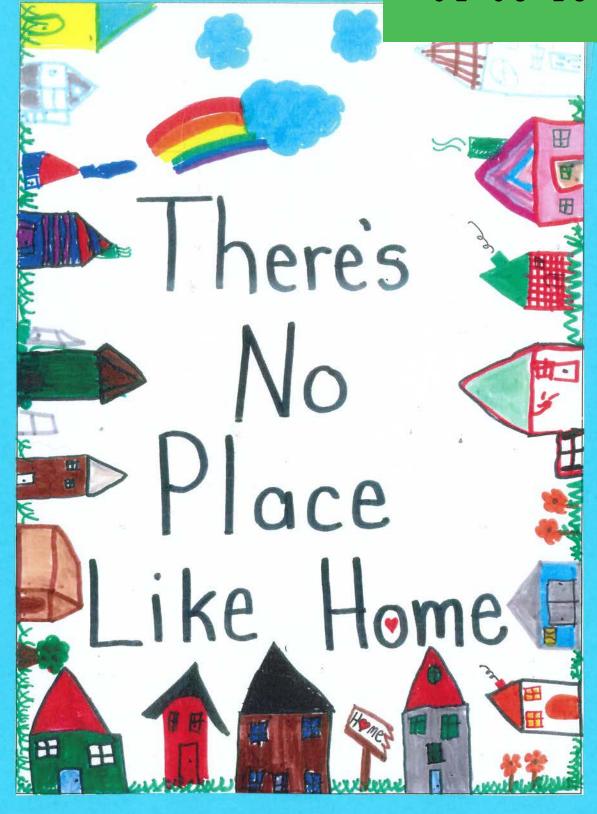
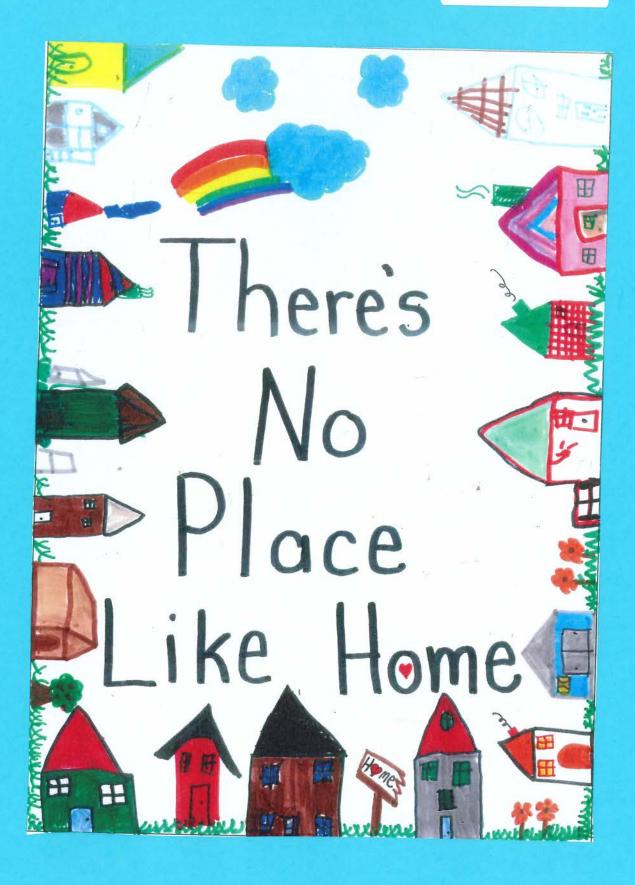
01-08-18



"Building a Future Sustainable Economy on a Foundation of Coal!"

CEDAR TEACHER UNIT 2018



Pre-Planning

students' felt that coal was an important aspect of our state along with jobs, the people in our state, and the other key factors of Kentucky. brainstormed their state of Kentucky. This allowed me to see if I made a class list of common words that came to mind as students'

Activities written in blue are activities that my students and I added along the way. My students' drive questions and tie the other activities together then we added them in. Some of the best activities are the unit so as we went along if we thought of an activity that we felt helped us to reach our essential the unplanned ones. The additional activities did not require additional supplies.

List the Over-Arching Goal of Unit:

To prepare and present a class published book and Market Day Entrepreneurial Event demonstrating the students' knowledge

1	Marie Control Control	01-	08-18
s' knowledge	Cost	10.00 20.00 12.00 25.00	20
istrating the students	List materials required for each activity.	Highlighters Chart paper Chart markers Paper for research Post- it notes	Poster board 20.00 Markers 45.00 Tape 8.00 Glue 18.00 Paper for research Storage pocket file and folders- 50.60.
ntrepreneurial Event demor ing a local sustainable econd	Activities (describe activities that support the assessment(s)/ product(s) and advance the standard.)	Activity 1: Students will research and print articles. They will use the articles to make inferences on how the events impacted our local area that we live in today. Act. 2: They will record facts on post it notes to complete a fact swap. We will conduct class discussions as students present facts from their research. We will create a class chart to showcase our understanding of essential question number	Activity 3 Students will discuss what timelines are and will watch a video timeline of their area and its relationship with coal throughout the years. Through this activity they will see that coal has built the place they call home. We will connect to the title "There's No Place Like Home" as they see without coal our home wouldn't be what it is today.
t problems with our local economy, and future solutions for building a local sustainable economy.	Assessments/Products (list at least one assessment or product for each standard.) Formative Assessment Is on-going as teacher checks students' progress. Summative Assessment will be the final product.	Students will research to find articles in relation to Essential Question #1. They will print and highlight facts. Product: Highlighted articles Class Charts	Timelines: Students will use Chromebooks to research coal from present year dating back to the year they were born. They will create a timeline to show their understanding of coal's impact on our area within the years of their life. Students will look at the data for trends and apply critical thinking skills as they use their findings to make future
with our local economy, a	I Can Statements of what students will be able to do	I can research a topic, by reading articles closely to determine inferences and draw conclusions about the impact that coal has had on our local economy.	I can research the historical impact of coal on my community and connect my findings to my personal life to build an understanding of coal's impact during my lifetime.
ir area, current problems v	KCAS Standards (list those that will support each essential question and will be assessed in the unit.)	English/Language Arts Standard #1. Reading Informational Text Read closely to determine what the text says explicitly and make logical inferences from it.	English/Language Arts Standard 7 Conduct short research projects that build knowledge about a topic. Strand: writing
of coal's historical impact on our area, current problems with our local	± S E E	1. How has the natural resource, coal impacted our local area? (economy)	

		Gridded chart/graph paper 13.00 Index cards 10.00
We will hope to have guest speakers who can share local events during the student's life that has shaped the local	area into what it is today. They will use index cards to write facts throughout the unit.	Activity 4. Students all working collaboratively with our school's STLP (Student Technology Leadership Program) to gather data showing number of parents and grandparents who have worked or are currently working in a coal related job. The STLP team consist of students who were former members of my classroom and veteran students to Coal Units as well as current members of my classroom. The team will assist in data collection using technology as well as other parts of the unit implementation as noted later. Activity 5: Students will create a scaled pictograph to represent data showing Parents and Grandparents jobs in coal related fields. Activity 6: Students invited parents and grandparents whom was part of the impact of coal in our area to share their stories and help in reaching our EQ.
predictions. Products:	Timelines	Product: Scaled Pictograph or bar graph
		l Can create a scaled pictograph and scaled bar graph to represent data showing Parents and Grandparents jobs in coal related fields.
		Math 3.MD.B.3- Draw a scaled picture graph and scaled bar graph to represent data with several categories. Solve one and two step problems using information presented in the scaled graphs.

40.00	20.00
Dry erase markers	Chart paper Chart Markers Post-it notes
Activity 7 – Miner In Me Activity 7 – Miner In Me the peer explain the importance of coal to his life and asked questions regarding his miner hat. Activity 8 - Students listened to our janifor share his coal experiences and the issues he has faced with the loss of coal jobs. Activity 9 – Folklore Musician/ Appalachia Story Teller will visit to help our class gain a better understanding of coal's past and the marks it has left within our community, economic and cultural. Activity 10: History Lesson on Wheels: Students listened as I presented historical places that coal impacted and what they meant to our area today.	Activity 11: Students will create a classroom coal council where we will conduct weekly coal meetings and address issues and challenges that our community is faced with along with possibilities for our community's future and possible solutions to noted problems. This activity will steer our unit. Activity 12: Students will create a NEWS BROADCAST on the problems and solutions that they come up with. They will use our class Mondo Board and skype to present the broadcast LIVE into the other classrooms within the building.
Assessment: Students will use dry erase response boards to ask and answer questions.	Product/Assessment Problem/Solution On Chart Paper Class News Cast using Skype and our Class Mondo Board
I can listen to a guest speaker and ask/answer questions to demonstrate my understanding of coal's past and how it has influenced both the economic and cultural aspects of our community.	I can participate in discussions with my peers on current issues in my community with possible solutions, building on others' ideas and clearly express my own ideas.
English/Language Arts Standard #3 Standard: Ask and answer questions about information from a speaker, offering appropriate elaboration and detail. Strand: Speaking and Listening Cedar resources and videos, booklets, and activity books will be used as well to help answer essential question number 1.	English/Language Arts Strand: Speaking and Listening Standard 1 Standard 1 Standard: Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher led) with diverse partners on grade 3 topics and texts, building on others' ideas and expressing their own clearly, a. Come to discussions prepared, having read or studied required material; explicitly draw on that preparation and other information known about the topic to explore ideas under discussion. b. Follow agreed-upon rules for discussions (e.g., gaining the floor in respectful ways,
	2. Why is it important to utilize the resources that coal has given us to help overcome the issues and challenges our area is currently facing?

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		Paper for activity sheets Paper clips Graph paper Cookies Tooth picks Paper for money	Poster board /cardstock Markers Large Graph paper
		Activity 13 Cooking Coal Mining— Students will participate in a simulation to help them see the problem that Kentucky is facing with coal. They will be a part of a simulation where they will buy land and mine it for coal. They will apply problem solving and critical thinking skills as they choose which land to buy and apply reasoning to their choices. Students will reflect on the simulation by answering questions. Students will explain how this impacts local economy and in turn helps our community.	Activity 14 Students will create a scaled bar graph to show coal production the year they were born and coal production within our state currently. They will use this data to drive the discussion of what they can do as a class and personally to contribute to their community. Activity 15: Students shared
		Product: Cookie Mining Activity Sheets with Reflection	Product: Scaled Bar Graph
		I can use critical thinking and problem solving skills to understand coal's connection with the economy and how that helps our community.	I can create a scaled bar graph to represent coal produced by our state both in the past (year I was born) and present.
listening to others with	care, speaking one at a time about the topics and texts under discussion). c. Ask questions to check understanding of information presented, stay on topic, and link their comments to the remarks of others. d. Explain their own ideas and understanding in light of the discussion.	Social Studies S.S.E.P 2.2.1 Identify Social Institutions (Government, economy, education, religion, family) and explain how these social institutions help the community)	Math 3.MD.B.3 – Draw a scaled picture graph and scaled bar graph to represent data with several categories. Solve one and two step problems using information presented in the scaled graphs.

	40.00 50.00 20.00 20.00
	For models: Card stock Crayons Paint Tape Glue Graph paper Poster board Scissors Markers
a photo and ideas of how they uses resources from coal at home in all of their favorite things.	Activity 16: Students will have class on a reclaimed mining land site that has been redeveloped into a local park. We will investigate the area looking for clues of the once mined land and looking at what it was reclaimed into, discussing importance to community before and after the redevelopment. Activity 19: We will discuss the process for reclaiming land and students will develop a model of what they feel would boost our economy. We will use a drone to get coverage of a site that has been reclaimed but not used yet a coverage of a site that has been reclaimed but not used yet him. Activity 17. A guest speaker will share the importance of the reclaimed land (park) to him. Activity 18- A guest discussed which uses would most benefit our economy. Activity 18- A guest for inclaim and and told us about the Kentucky Industrial Park. We discussed which uses would most benefit our economy. Activity 20: Students will create models of buildings that they would put on reclaimed land to build a sustainable economy. They will follow a teacher created criteria and these models will be judges by the STLP.
	Product: Reclaimed Land models (These will be judged by STLP and we are hoping for the winning model to represent our school STLP by having a booth at the district competition called: "There's No Place Like Home- KY Students will study reclaimed land and develop plans for ways the land could be utilized economically to build a sustainable economy.
	l can create a real world model on graph paper and measure the area by counting unit squares. I can identify the area and perimeter of the buildings (polygons) within my model.
2 C C C C C C C C C C C C C C C C C C C	Measure areas by counting unit squares. 3. MD.D.8 Solve real world and mathematical problems involving perimeters of polygons including finding perimeter.

30.00	25.00 hures
Paper Chart Paper Markers Post-it notes	Markers Glue Hot glue gun and glue for products Scissors Tape Paper Card stock for brochures Paper bags Clip boards Paint Crayons
Activity 21: Students will utilize Facebook (through class page with teacher's help) to reach 3 rd graders in other parts of the world. Through this we are hoping to find out from a 3 rd grader's point of view what are some the major important things they have in their city and what are some ideas of things they would be interested in if they were to visit or even better, move to Kentucky. This will be used to help create their business models as well. Students will read articles(text) on larger cities and compare and contrast them with our city to develop ideas that will help to boost our local economy. Activity 22: We had business owners to come in and discuss how they utilized the resources from coal and how coal impacted their business both positively and negatively and how they overcame the issues that they were faced with.	Activity 23: Students researched books in the library to find careers that they could have in this area that would apply their interest, talents, and skills. Activity 24: Students pretended that they were given the foreclosed business/house across the road from our school. They sketched blue prints involving area and perimeter to show their business plans.
Product: City Comparisons – Venn diagrams Reclaimed Land Models.	Market Day Business- This will include: Business plan Commercial created using technology (IPad, Chromebooks) Reflection
I can compare/contrast two text on larger cities and create ideas of how to boost our local economy to build our community.	I can create a product or service to sell at market day to help create a sustainable economy. I can explain how my small business impacts the economy and helps my community.
RI 3.9 Compare and contrast the most important points and key details presented in Two texts on the same topic.	Social Studies S.S.E.P.2. 2.1 Identify Social Institutions (Government, economy, education, religion, family) and explain how these social institutions help the community)
	3. How can you use your personal interest, talents, and skills to assist in building a future sustainable economy?

	Markers Paper for rough drafts
Activity 25: Students will open a small business (based on hobbies, interest, and skills, and something they fill could be on reclaimed land or connect with coal) using a tri-fold. They will decorate their store front, and make advertisements using poster board/ card stock. They will create a commercial and video to promote their business opening day. Students will build/make their inventions/products with teacher assistance (hot glue) as needed. We will hopefully have a guest speaker who is a small business owner in our local area to come speak with the students on the importance of coal to their business and the impact	s will a class nt to a se. se. a meet ar at d to ooms ough oread nill mit's and
	Product: Class Book
	I can write a part for our class book to inform/explain coal's historical value to our community, challenges and possible solutions to build up our community, and ways to use my personal talents and interest/abilities to create a future local sustainable economy.
	Language Arts – Grade 3 Standard 2 Write Informative/explanatory text to examine and convey complex ideas and information clearly and accurately through the effective, selection, organization, and analysis of content.

	Reporting: (Ink and binder) 50.00	\$513.00		
students who are not a part of the unit about the importance of coal to our history, our current events, and most of all our future.		Total Request: (Was Granted \$536.00)		

Introduction

Introduction

Close your eyes for a moment and envision the discovery of an abundance of shiny black rock within the mountains of Eastern, Kentucky. A discovery so big that people would come from all over the world to try their hand in mining it. People of all nationalities and ways of life, moving to the mountains. This very event created a need for homes, schools, and railroads, and in the blink of an eye our hometown was born. Not only did it grow but it quickly grew to greatness. The town flourished, the people settled, and just like that coal mining became the way of life!

Close your eyes one more time and this time imagine a booming economy built upon a foundation of coal. Now, take away the coal jobs, close the businesses, and remove the students' from the schools. The image you are now envisioning is our town. It is my situation, and unfortunately; my student's life. The second image is what has driven my 2018 CEDAR coal unit.

Over my years of teaching I have found a place in my heart for CEDAR and for coal education. However, the last couple of years my units have pivoted from teaching about life in the coal mines to life after the coal mines. As hard as it has been for us to swallow, we must face the issues of the decline of the coal industry in our region. As I look into my classroom and I stare at the empty seats, once occupied by some of the most brilliant students whose lives were uprooted so that their daddy could find a job; I find myself losing my faith in our economy. However, CEDAR has given me the opportunity to reach the students that are still in my classroom. Through this unit, I can help my students' to see coal's role in our region's history, understand current issues

that we are facing, and develop possible solutions to help our region move forward and progress. This reason is why I chose the topic that I did.

I had my students to stand up beside their seats and I explained that if the answer to the question that I was about to ask was yes to have a seat. I asked them if they had a parent that had worked in a coal related job and the majority of the class instantly sat down. I then asked if they had a grandparent to work in a coal related job and after the second question only two students were standing. This activity gave my class insight on how important the coal industry is not only to our region but to our little classroom. Before I could move to the next activity my students began to talk among themselves about their daddies no longer having a job or their family members moving away for work. It was at this moment that I saw how truly important it was to teach a unit that would help my students to find solutions to the issues that they were facing. Next, I gave my students a dry erase map of the United States and asked them to find Kentucky. Once they found our state, I asked them to write down the first five words that came to mind when they looked at their state on the map. I made a class list of the most common answers and sure enough it was coal, jobs, family, and home. It was then that I knew my students' would benefit most from a unit that would tie these words together and teach them that they are the future and have what it takes to help our region reach its fullest potential once again.

My students' talents, interest, and skills played a major role in developing our unit. I wanted to let my students take the wheel and drive our unit so together we discussed what we knew about coal, things we needed to know, and how we could learn them. We created a KWL chart and discussed how we would know when we had

reached the answers to our questions. As we discussed what we would do with the information that we discovered, we felt making a class book would allow us to share our findings with other students. (I had did this in the past and my current students loved these books.) Having had a market day in the past as well and seeing that outcome, I knew I wanted that to be in our unit if at all possible. Seeing my students trying to sell toys from home during lunch confirmed that I had quiet the entrepreneurs on my hands! I also knew I wanted to implement technology into my unit but wasn't sure of the extent considering the grade level of my students. After returning from a substitute, I realized my Mondo Board had been messed up and I was trying to quickly fix it so that we could move along with our lesson. Before I could even attempt to fix the problem two of my students came up with their Chromebooks and informed me that they had "googled" my problem and began to instruct me on how to fix it. I knew right away that I had a "tech savvy" class and that we could use a wealth of technology in our unit. This is how our unit was developed.

We knew that we wanted the over-arching goal of our unit to be connecting coal's role in our region's history to current issues and challenges in effort to develop possible solutions showing how to build a future sustainable economy for our region on a foundation of coal! We decided this could be shown through our class book and through an entrepreneurial event, "Market Economy Day". The three Essential Questions we developed to help us reach our goal was:

- 1. How has the natural resource coal impacted our local area? (economy)
- 2. Why is it important to utilize the resources that coal has given us to help us overcome the issues and challenges our area is currently facing?

3. How can you use your personal interest, talents, and skills to assist in building a future sustainable economy?

In section 2, you will see a snapshot of the activities and a summary of each. The summary will explain the importance of each activity to our unit.

2. Activities and Goals

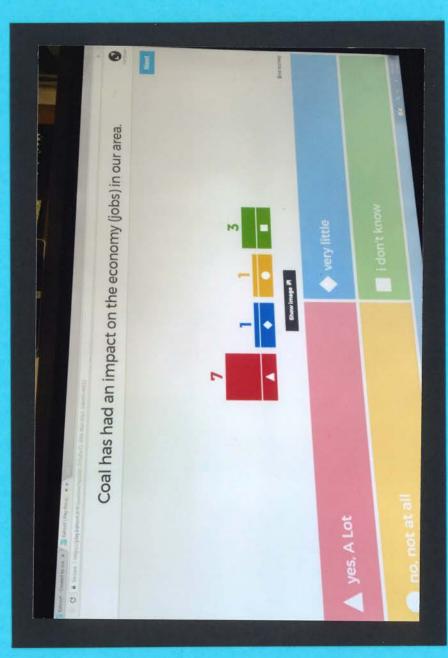
Market Day Entrepreneurial Event demonstrating the student's knowledge of coal's impact on our area, current problems with our local economy, and Over-Arching Goal: To prepare and present a class published book and future solutions for building a local sustainable economy.

Essential Questions:

- How has the natural resource coal impacted our local area? (economy)
- Why is it important to utilize the resources that coal has given us to help us overcome the issues and challenges our area is currently facing?
- How can you use your personal interest, talents, and skills to assist in building a future sustainable economy? m m

Planning Our Unit

instantly collected and shown on my board in a bar graph. This allowed me to check prior knowledge and determine our starting point for the unit. through our unit was really important! In this pre-planning activity, we used the online program "Kahoot", to create a survey in which students type in an access code and sync to my "Mondo Pad" allowing their responses to be My students' are technology gurus so the implementation of technology



Planning Our Unit

As a pre-planning activity, I wanted to see what my student's knew about our state. We used dry erase maps to locate our state and discuss what Kentucky means to us. Students' created a list of words that come to mind when they think of Kentucky.



EQ 1: How has the natural resource coal impacted our local area (economy)?



Looking into the history of coal in our area...

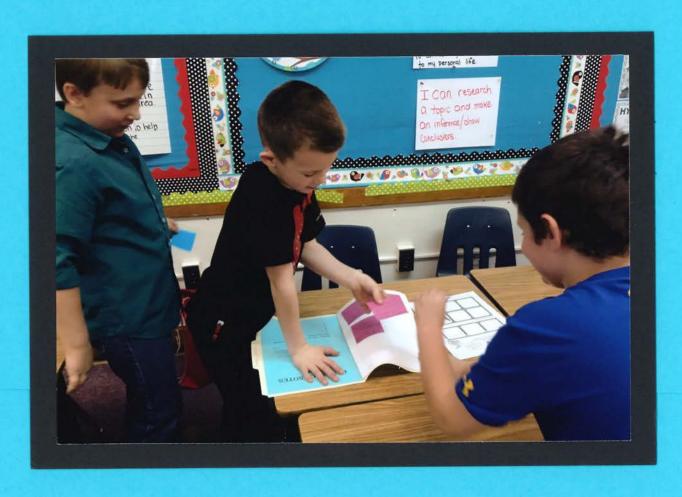
EQ 1: How has the natural resource coal impacted our local area (economy)? In this section of pictures you will see the activities that we completed to gain knowledge of our essential question number 1.

Students researched to find articles/facts that helped them to understand the history of coal in our area and how that has shaped our community. My students' learned that the discovery of coal all of those years ago and the need for so many men to mine it is what helped to establish our area. Through H. Ford, the "Fordson Coal Company", and the fact that coal could be used in the process of making steel to create automobiles, came coal camp houses in our area. The students thought it was really cool that some of them actually live in or next to these very houses! This research taught my students about the amount of people who moved to our area to mine the coal and how that established the need for roads, schools, railroads, hospitals, and more. This activity allowed them to look at the history of coal and how it was basically the foundation for our community! This activity was important for my students because they must first understand the history, to realize the problems we are currently seeing, to plan solutions for the future of our

community!



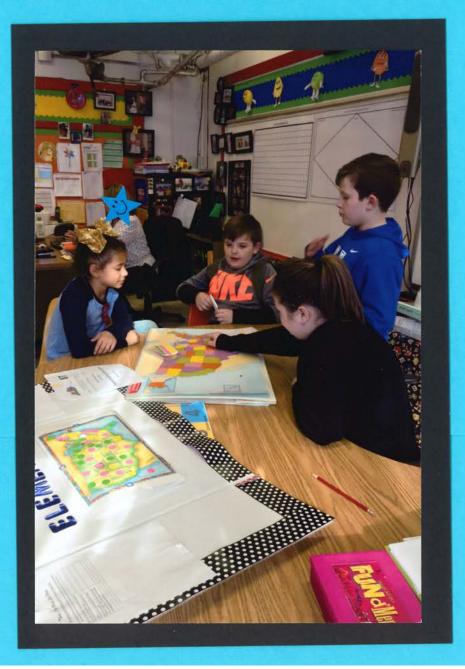
Students' used the information in activity 1 to write down facts on post-it notes. We created "Fact Folders" to keep our facts in throughout the unit. Students then used the folders in class to have a "Fact Swap". This is where they went around the room and collected facts from their peers to write on their fact sheet. They would take the post-it to their desk and read the fact. If it was a fact that they didn't know they would then write that fact on their sheet. This allowed my students to discover new facts from other students perspective that they didn't find during their own research! We then shared the facts that we felt helped us understand EQ1 with the class.



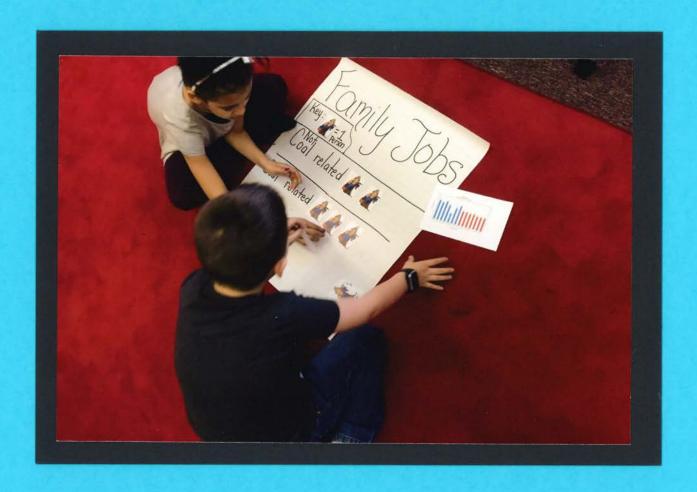
After watching a video on the timeline of coal and historical events in America, we zoomed in on coal in our area, during our life! In this activity students researched coal from the present dating back to the year they were born. They searched for an important event that was relevant to their area for each year of their life. They created poster boards to showcase the important events found during their research. Students presented these to the class. This activity allowed students to connect the importance of coal during their actual life. It allowed students to see that every single year of their life coal had impacted our area in one way or the other. Making this connection with coal during their life made our learning relevant which was an important step in answering our essential questions and achieving the over-arching goal of our unit.



Students' collaborated with our school's STLP (Student Technology Leadership Program) which also included members from our classroom. This collaboration allowed us to utilize technology to reach outside of our school and help us answer EQ1. They used survey monkey to create a survey to find the amount of students' family members working in coal related jobs as well as other questions about the impact of coal to our area. This was important for students' to make the historical connection of coal in our area and how it has provided jobs for their families. They also utilized social media to reach out to families as well as other people around the United States. They helped us to collect and organize the data, and actually decided to make our unit the focus for their STLP project for the school.

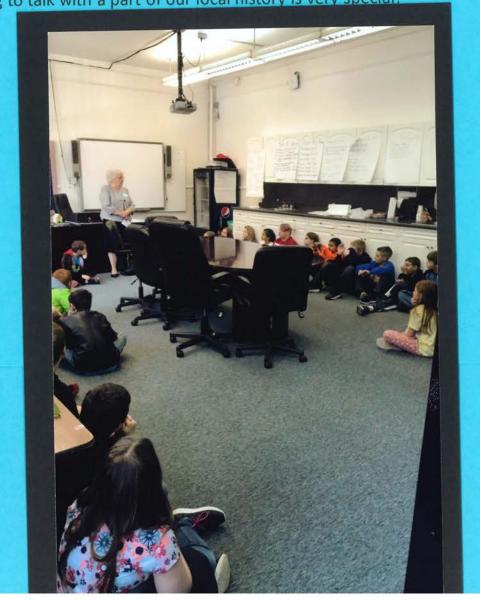


Students' created graphs to showcase their families who worked in coal related jobs opposed to those that worked in jobs non-related with coal. This graph made a visual for our class to look at and use in answering questions about coal's impact on our family and our life.



Students' asked their families to share any stories with the class that would help us to see the impact of coal to our community. This guest is a students' grandmother who also taught at our school. The now 85 year old has been retired for over 24 years but reminisced as we went into her old classroom (now a conference room) for her to talk to us. She taught since a one room school house when they would carry coal in to use for heat. She told the students of stories of the economy and how coal built up the community and they transitioned from the one room school to a bigger building with 4 rooms to the building we still use today.

She discussed how she came from a long line of teachers and how it is important education is for my students' future. She had taught the grandparents of many of my students so they enjoyed hearing those stories. It was a very neat experience to have this teacher as part of our unit and to tell us the stories of our community that not too many people know. Researching teaches us a lot but actually getting to talk with a part of our local history is very special!



This activity was not a planned part of our unit but an addition by my students. This little guy brought in a miner's hat that his grandfather had gave him and had it painted. It had his grandfather's name on it and some mining equipment and his show and tell sparked us doing "A Miner In Me" presentation where my students shared the Miners in their family and told why that was important part of their family history. This activity sparked activity 8, that you will see on the next page.



As we were sharing the, "Miner in Me" items our school janitor stopped in to empty our trash. He saw the student's hat and asked him if he knew what the equipment on the hat was. He then began to talk with my class about mining equipment and we discovered that he was a miner before the loss of our area's coal jobs. He showed the students what his underground card looked like and taught them some things like how to signal another miner underground if you needed them to come to you. I thought this was such a special learning experience because it was proof to my students that coal impacts us all, right in the middle of the day, the school janitor walks in and the impact that coal had on him was so great that he stopped his busy schedule to share the importance of coal with my classroom. This also taught my students that when the coal jobs left, people have had to find other jobs and often times they do not make what they made as a miner. It is life experiences that often time teaches us the most!

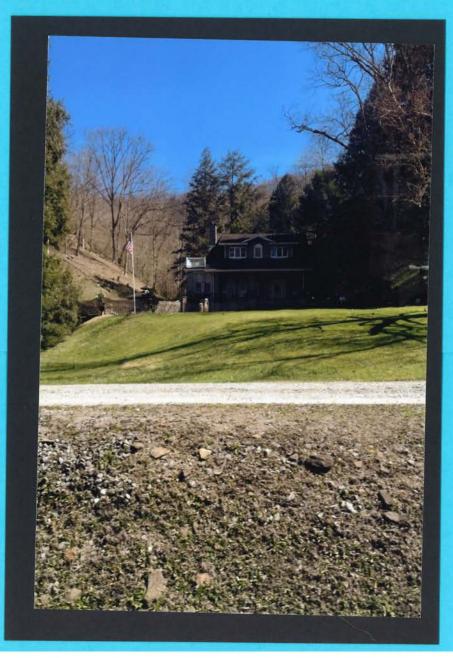


A folklore/Musician/Appalachian Storyteller was our guest for the day. He played his guitar and sung, told stories, and brought artifacts to showcase the history of coal to our area. The students were actively engaged in singing songs with lyrics like, "I owe my soul to the company store". He told a heart wrenching story of how his daddy was killed in the coal mine and how a community member cleaned out his coal truck and came and moved his mother's furniture and their belongings when they had to relocate. He brought along everything from carbon lamps, wash tubs to show how the miners would have to bath, to the ole' tin buckets and dippers that would hold the well water that they would draw up. Students listened to his stories and used dry erase response boards to write questions that they wanted to ask him at the end of the lesson. This activity was such a great experience to help in answering EQ#1. Students' ended this experience with a special mining treat, "A Moon Pie"!



History Lesson on Wheels

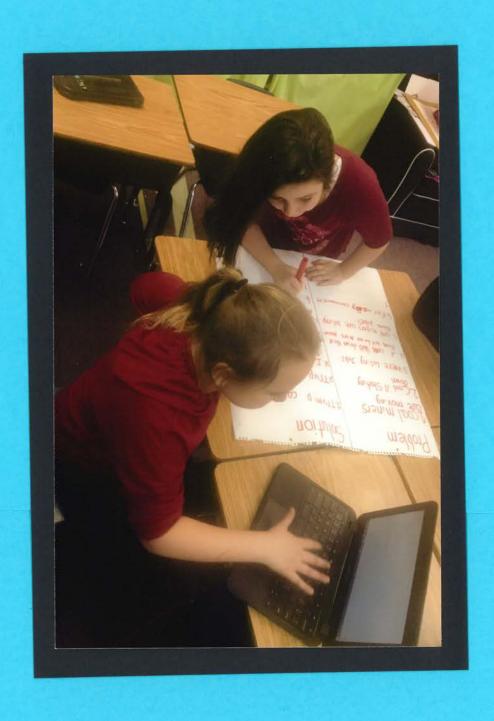
We took a bus tour of our area on the way to our reclaimed land site and was able to see a little piece of history out of the bus window. We saw the old coal camp houses, the old company store and theatre' and pictured here the Henry Ford House. This activity let students put pictures with all the things we have been talking about that are important to the history of coal in our area.



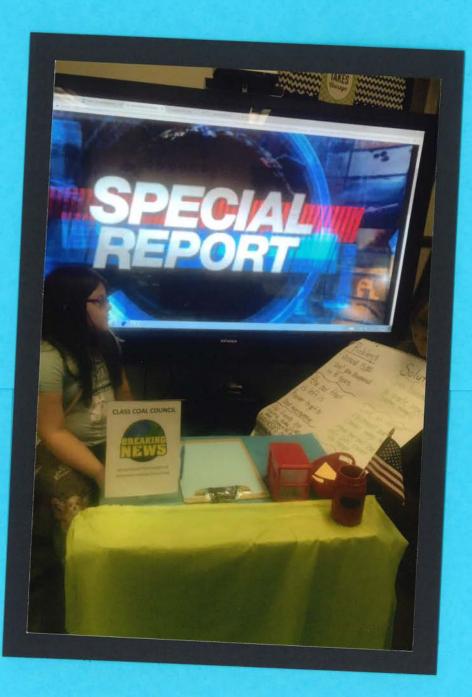
given us to help overcome the issues and challenges our area is EQ 2: Why is it important to utilize the resources that coal has currently facing?

- In this section of the photos you will find photos and explanations of the activities that we completed to help us answer EQ2.
- This part of the unit will allow us to connect to the history of coal to see where we are now.
- Students applied problem solving strategies and critical thinking activities in the following activities to answer EQ2.

Students researched EQ2 and brainstormed current issues and challenges that we feel that our area is facing. They created problem/Solution Charts which they used to create a collaborative class chart. We discussed the class chart issues and challenges and possible solutions for each.



We created a "Class Coal Council" where we discussed the challenges and issues of our area. We then created a News Broadcast where we shared our findings! This activity allowed my students to discuss their concerns and take ownership of ways that THEY personally could overcome these challenges. As a teacher, it is very important to me for my students to see that THEY are the future and that it is never too early to develop leadership skills and look toward the future to help our area overcome the current issues. I want my class to love their history and heritage and to see that is the reason why we have the resources that we do today; but it is equally as important for the students to want to get involved and see their community move forward and progress and it is never to early to begin this step!



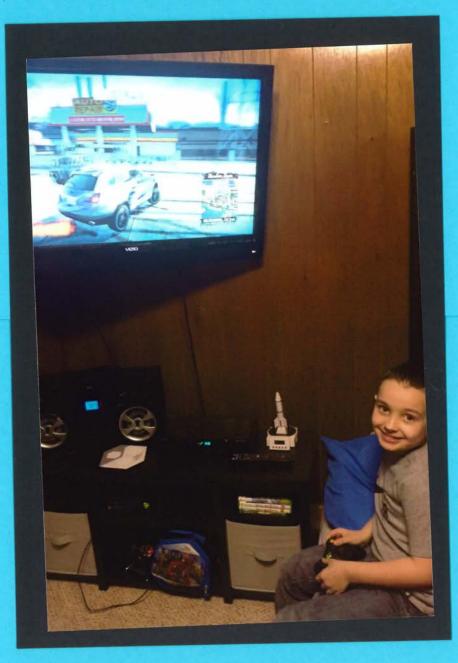
Cookie Coal Mining – Students participated in a simulation to see that much of the coal left in our state is expensive to mine and hard to get to and compare that with mining in other states. In this activity the other states were the "Chewy" soft cookies and the price of these were more as well as the area was larger. The cookie representing our state was hard and was much smaller in area. The students were given a set amount of time to mine the land. They also had to trace the land on the gridded chart paper to find the area for reclamation. All of this was followed by a calculation sheet where we recorded our findings and compared the outcomes with a discussion on our findings. This activity allowed my students to see some of the issues leading into answering EQ2.



n this activity, students created a scaled bar graph to compare the production of coal in their state the year they was born to the current production. (He used 2016 because that was what we could find in our internet research.) This student's findings showed our class a drastic decrease in coal production in just 8 years! The graph allowed my class a concrete visual that they could look at to see the drop! We used technology to assist us with creating this graph since the values of the numbers were much higher than we graph in our grade level! Once again this shows how students can use technology to excel above their grade levels!!



This activity was something that the students' wanted to add into our unit. My students drive our unit every year so you will see things added in that wasn't in my original plan. However, if it helps us to better understand our EQ's then I am all for it. In this activity students photographed themselves at nome using materials that are provided by coal. Coal plays a big role in production of electricity for the United States and I loved seeing how my students realized the personal impact that coal has on their life. This allowed them to see the decrease in coal production would mean that it could effect things like electricity production. (or cost) Also with less coal jobs, many parents are working in jobs with less pay to remain in the area which makes it hard to pay bills necessary for enjoying their favorite things! This activity allowed my students to see that the issues our state is facing effects each and everyone of them every single day!



Students had class on a reclaimed mining site in our area to gain a first hand understanding of the impact of reclamation and using the resources provided by coal to solve the issues that our area is facing. In this activity they took a nature detective walk to investigate the area looking for clues of the once mined land and seeing the effects of what it was developed into. In this picture students investigate a rock pile where they noticed some pieces of coal. This investigation allowed them to see the reclamation and how reclaimed land and redevelopment can promote growth of our area.



this activity we had a guest speaker to share the importance of the reclaimed land we were visiting to him as well as to the community. He is the park caretaker. He iscussed with the students what the land was before and how that played a role into that it was today. The pond that was once a dump for coal slurry was reclaimed into a 0 ft. pond that is now stocked with 5 different types of fish and the land is home to nany different animals including ducks and geese, beaver, deer, turkey, bear, bobcat, ossums, raccoons, and other small species. This activity allowed the students to see hat land from mining is actually a valuable resources in overcoming the issues that we are currently facing.



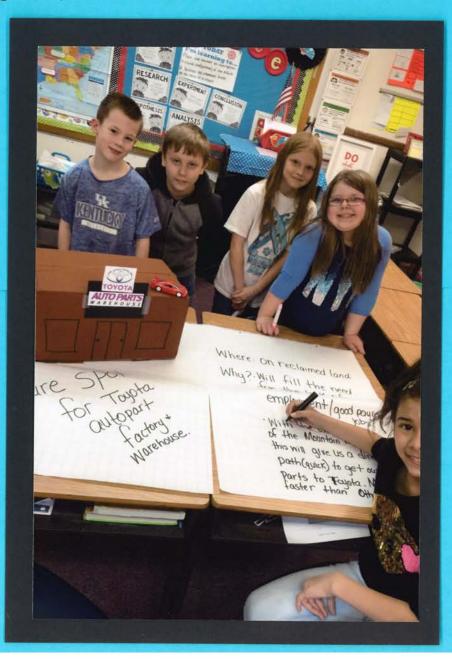
In this activity we had a guest speaker who talked with us about the Kentucky Industrial Park and how locally we are utilizing resources from coal such as reclaimed land to build up and look toward the future. While coal mining will remain important to our area and will still benefit our economy this will add other jobs such as factory jobs which will fill the need for good paying jobs since the recent decline in coal jobs have left a high demand in our area. This activity gave us insight in what is currently taking place in Kentucky and how that we could use reclaimed land to overcome the issues that we are seeing.



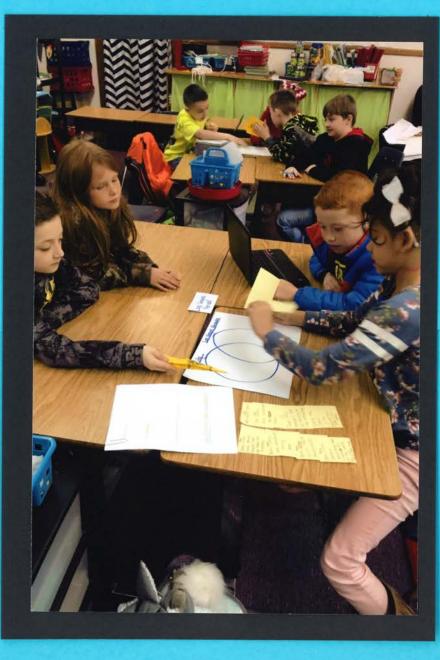
In this activity, students studied a poster provided by CEDAR to demonstrate uses of reclaimed land. They will build upon this activity in a following connecting activity where they discusses uses for reclaimed land and the benefits of the ideas for the community. This activity showed the importance of utilizing the resources that coal has given us to overcome current issues that we are facing which is our EQ2.



Students brainstormed ideas for reclaimed land and listened to speakers discuss using resources from coal such as reclaimed land to build up their communities. In this activity they demonstrated their knowledge of those activities by creating models of what they would put on reclaimed land to best benefit our community. They came up with three ideas, created two models, and then chose a winning model in which our class discussed and made a class chart. The winning model was a Toyota supply center/ part factory. With the help of a guest speaker we discussed how large factories interested in developing in our area needed reliable infrastructure, roads, sewage, water and power to be successful. We discussed with the expansion of the Mountain Parkway that our area would now be connected to places such ad Georgetown, KY which is home to a Toyota Factory. We discussed how a reclaimed site would be a perfect place to manufacture the parts that Georgetown needs to make the automobiles and how we would be able to offer parts delivered directly to the factory. This would eliminate buying parts overseas and having to wait to have those thing shipped along with acquiring the expense of doing so.



In this activity, students utilized social media to reach third graders in other parts of the world. We did this electronically as well as being a part of, "The Great Mail Race". (This is where students around the world in our grade level send us mail regarding their cities and we send them things about our area!) We used the information that we collected to see major components and important parts of other cities. We created a Venn Diagram to compare the larger cities with our city to see possible solutions for overcoming the current issues that we are facing in our area. We collected survey results from over 1,000 teachers!) Our STLP collaborated with our class to organize that data and used a US map and dot stickers to track the responses! STLP created, There's No Place Like Home project in which they shared at the district level and will be sharing at the state level this month. This showcases our findings and how we are seeking to solve the current issues that our area is facing!



In this activity, we had a guest business owner which is a grandparent of a student in our class so this activity also played part in EQ 1 and seeing the impact of the history of coal. Our guest was the owner of the very successful Pizza Shop next to our school for over 25 years. With the downfall of the economy and the closure of the nearby mines the pizza place sadly closed their doors. The guest discussed the impact of coal on making their business successful for such a long time. We also discussed the impact of the business on the local community. This little Pizza Shop holds a big spot in our heart and fed all of the students' parents when they were students themselves! They gave so much to the community and to the school. While speaking to the class they focused on being entrepreneurs and gave the students tips on running a successful business for market day. As students participated in Market Day, they applied the skills such as always remember to smile!



EQ #3: How can YOU use your personal interest, talents, and skills to assist in building a future sustainable economy? In this section, you will see pictures and activities that we completed to help us answer EQ #3.



In this activity, students used Library times to research careers that they could have here in our community. This activity is a part of EQ3 where students are seeking opportunities that they can use their interest, skills, and talents to build up their community.

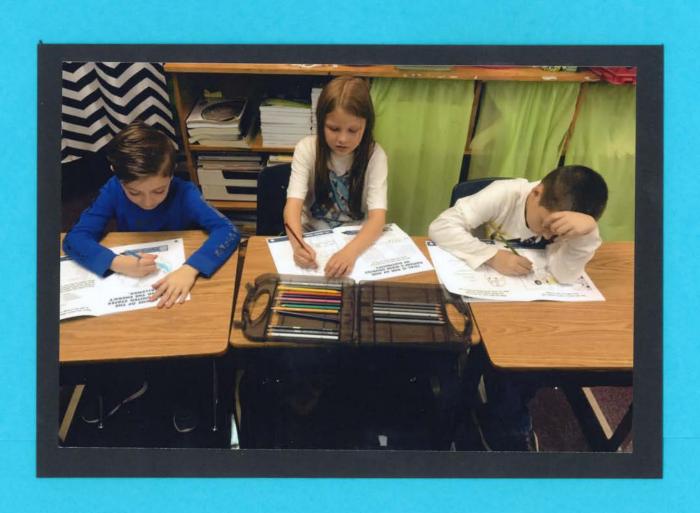


As we discussed issues and concerns in our area, we talked about how so many houses and business were empty or for sale in our area. Just looking out the school there were three buildings empty. We decided to pretend that the building right outside of our school was given to us to open our business in. We then created blueprints using area and perimeter. We went outside and sat and used clipboards to work on our blueprints as we used the "potential building" as our plan/model.



CEDAR Coal Books

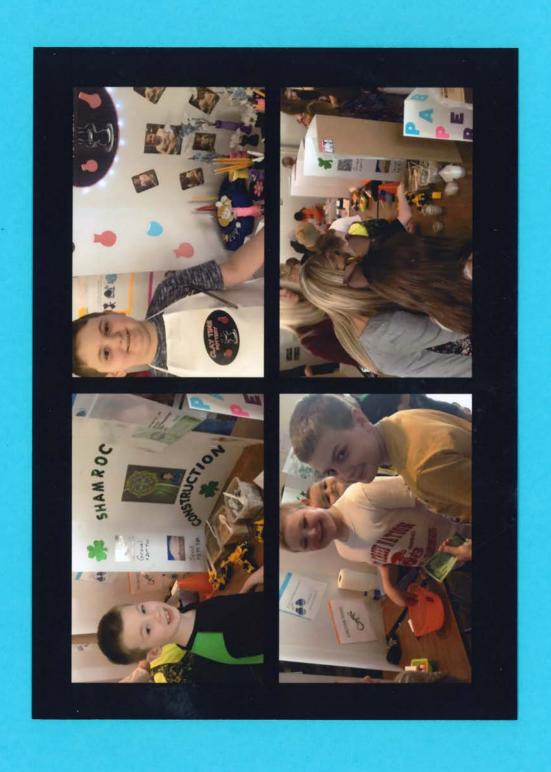
Throughout the unit, students utilized the "All About Coal" booklets to look at the science of coal and how It was formed, to see where coal is mined, the types of mining, and how the industry employees many people.



Activity 25 – Entrepreneurial Opportunity

he time to question my students on their knowledge of coal and the impact of coal on their businesses and so he bought one from another child's Office Supply Store. This activity provided so much opportunity for much greater than our expectations! "WOW, just WOW" ... the real world experiences, the problem solving, provided resources such as land and electricity for their businesses or that the bi-products of coal was used n the materials they needed for the business. One little boy needed a pen for his receipts and didn't being and the critical thinking skills applied in this activity! It was amazing to watch these kids go from student to ny students that it is impossible to put into words. My students' had to pay taxes, pay employees, pay and store owner and boy did they play the part! As faculty and staff shopped at our small businesses they took connection of our unit's three essential questions. It tied our unit together as we saw that 1. Coal's history closed; and 3. We can use our talents and abilities and pair that with the resources we have to move our choose types of advertisements such as billboard signs and commercials, and utilities. They had to rent This is our "FAVORITE" part of our unit! We anticipated this event as we planned the unit but it was so their store lot and the prices varied from placement on the reclaimed land. This activity really was the shortages and our economy is down, our population has decreased, and many things in our area have built us our community and provided the resources we have today, 2. We have issues concerning job et me tell you, they delivered. I loved walking around hearing my students explanations of how coal community forward and progress!





home like no other. We want to share with others that when there are students share what home means to them. The book talks about how present, and take action for the future! We have had so many friends In this activity students wrote and illustrated a class book called, "No Place Like Home". In which we have included in our unit as a sample. in time things need a little more love and how we can work together using interest and talents along with resources from coal to create a tomorrow because we all know, "There's really no place like home!" problems of our community. We want to take action and to educate what it has gave us, and how we can use it to grow and better our others on coal so that they are aware of where it has brought us, issues you must educate yourself of the past, connect it to the move away! We don't want that to be the final answer for the This book is an example of our Over-Arching goal. In the book



A special unexpected part of our unit is when we had a Kentucky author to come visit us and share her work. The students' were taught about the pride that comes with being an author and about how published work allows to share your thoughts and ideas all over the world. During this activity our students' had the opportunity to read their parts of their books to their parents, peers, and community members at our "Meet our Authors" event.









3. Summary

Summary

As we look at our unit though our rear view mirror, to say we are proud would be an understatement. I feel that we successfully addressed the meaningful issues and concerns of my students. The students were actively engaged throughout the unit and problem solved to analyze the issues we felt our region was dealing with. Through creating market day projects, to designing blueprints for a business, to building models for reclaimed land, my students were constantly applying creative and critical thinking skills. My students not only helped to plan the original unit but as we progressed through the unit they added activities to help us connect our original activities and arrive at the answers to our essential questions. Not only did we focus on the history of coal, we also meshed in other topics such as cultural aspects of coal in our region and in our families, issues and concerns of the decline of coal related jobs, and utilizing resources of coal such as reclaimed land to progress and look toward the future. We enjoyed implementing cross-curricular activities including science, social studies, language arts, math, music, art and technology throughout our unit study.

As my students and I were evaluating the success of our unit to see if we had answered our essential questions and met our over-arching goal, my students were completing the part of the survey about what they would change about the unit. I was saddened to think that they would change something because I thought this was by far the most successful CEDAR unit that I had taught. When I read the comments I found out that their responses were that they didn't want the coal unit to end. They wanted to open their markets back up and bring in local miners to shop. They wanted to continue adding to the Toyota Parts factory model and they wanted to connect to more cities

through our social media and great mail race activities. You know the unit went well when they are asking to work. Truth is they didn't view it as work. Our activities were as active as my rambunctious group of kiddos so they thoroughly enjoyed each of the lessons. As an end of unit assessment we used the online program "Kahoot" to complete the activity that we used as preplanning. The students' answers were proof that not only did they find answers to our questions and meet our goal also walked away with a real life experience that they would always remember. I once heard a quote that what you teach may one day light the world. There isn't a doubt in my mind that my students will be the light of our region as they work together to assure that there's no place like OUR home!

1

Samork Samples

Work Samples are numbered with white dots in the top right hand corners to correspond with the activities that they match.

Work Samples Enclosed...

you to catch a glimpse of some of the learning that has occurred. Thank Market Economy Day. Next, we have included some work samples for questions and have tied our unit together with our class book and enjoyed our 2018 Cedar unit. We have answered our 3 essential Just like this student enjoys the Moon Pie he is eating, We have You CEDAR for making these learning opportunities possible!



School Coal Fair Projects

titled, "Daddy was a Minin' that Coal, showcases many of our students' projects were English content. The first one titles, "All My Friends Have project inspired by our unit was a technology project. This PowerPoint presentation was made by one of my students entirely on his own and our area. My classes start out big and we lose several students before Moved Away" is evidence of our EQ2. This is an issue that we have in the year even starts. It is a very sad but true situation. The 2nd piece shows his knowledge of computers at such a young age. He even This unit inspired some very special coal fair projects. Two of the situations with daddy working to provide for his family. The next emailed it to me on his own. ©

Daddy was a Minin' that Coal

Momma was a sleepin', baby was a sleepin', while Daddy was on his way to minin' that coal.

Momma was a cookin', baby was a eatin', all while Daddy was a minin' that coal.

Momma was a cleanin', baby was a playin', all while Daddy was a minin' that coal.

Food was on the table, and the house was all warm, all because Daddy was a minin' that coal.

Daddy's lungs were black, and he was down in his back, all because Daddy was a minin' that coal.

But Daddy didn't care, cause his family was a happy, all because Daddy was a minin' that coal.

All My Friends Have Moved Away

few years ago, before my time,
most everyone worked in a mine.

Ey worked underground, or on top,
or driving trucks, or at the shop.
These were good jobs with good pay,
but now it is a different day.

Not many coal trucks on the roads,
the trains don't run to pull the loads.
All our mines are shutting down
and people are moving out of town.
All those lives forever changed.
The way we live is rearranged.
It's really sad to see this day,
cause all my friends have moved away.



01-08-18

This sample is of internet research that my tudents found to be beneficial in answering their essential questions. We especially loved the article of coal's past, present, and uture since it tied to our essential questions and over-arching goal.

ERGY FACTS FOR TEACHERS RESOURCE CENTER CONTACT US

Future

portant and plentiful fuel source, many people may not realize just how long it has been look at past and present uses of coal can tell us what the future of coal might be.

as mankind has thrived. In fact, coal was used to provide heat in caveman times!

In the 1300s in what is now the United States, Native Americans used coal for cooking, making clay pots, and heating. By the mid-1700s, the first U.S. coal mining operations opened in Virginia.

Wood charcoal had long been used to provide fuel in England, but in the 18th century it was discovered that coal burned cleaner and hotter. Soon after, coal use skyrocketed during the Industrial Revolution, when demands for energy sources increased.

Coal was used to fuel the boilers on steam-powered trains, which became a popular mode of transportation in 19th-century America. At the same time, coal was being used in the production of weapons during the American Civil War, and coke (a coal residue) took charcoal's place as the primary fuel for making steel.

About 100 years ago in the United States, coal's abundance led to its widespread use for heating homes, generating electricity, providing cooking heat, powering railroads and boats, and fueling factories.

The Present

Although coal may not be as visible today as it was around 1900, it is even more prevalent as a source of fuel. Coal production has increased by more than 70 percent since 1970.

If you use electricity, chances are that you are a coal consumer. Nine out of every 10 tons of coal mined in the United States today is used to generate electricity. About 56 percent of the electricity used in this country is coal-generated electricity.

Electricity generation is just one use of coal in the United States. In addition, manufacturing plants and industries use coal to make chemicals, cement, paper, ceramics, and metal products, to name a few. Methanol and ethylene, which can be made from coal gas, are used to make products such as plastics, medicines, fertilizers, and tar.

Certain industries consume large amounts of coal. For example, concrete and paper companies burn coal, and the steel industry uses coke and coal by-products to make steel for bridges, buildings, and automobiles.

About 9 percent of U.S.-mined coal is exported to some 40 countries, including Canada, Japan, and Western European nations.

The Future

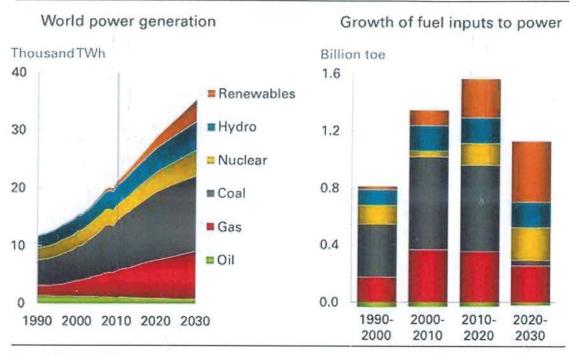
The United States has about a 235-year supply of coal, if it continues to use it at the same rate as today. This is promising because, in addition to the many existing ways to use coal, the future holds new methods and potential for growth. Products from coal may soon be part of communications and transportation systems, computer networks, and even space expeditions.

Coal will likely continue to be an important source of electricity generation because it is more abundant and cost-effective than oil and natural gas. Compare these energy costs per million British thermal units (Btus):

- Coal—\$1.20
- Oil—\$4.45
- Natural gas—\$4.30



Strong growth in power generation continues...



Energy Outlook 2030

16

® BP 2012

01-08-18 Subject/Unit___

This sample is of our fact swap that we completed using the internet research.
Students walked around to their peers and swapped facts with each other to complete

their fact sheet.

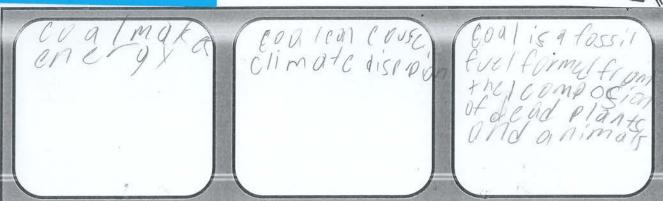
Wap

you are learning . Then find six more

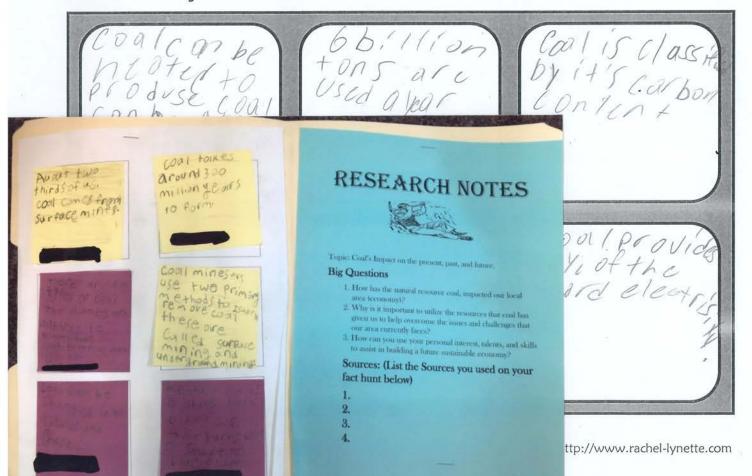
facts for one of your classmate's different facts altogether.

Try to make
your facts original so
that your classmates
will not already have
them.





Facts from my classmates





STLP will be presenting the showcase, "No Place like Home" at the state level this month. They have collected a wealth of information and will continue to do so as they showcase all of our findings for our state. I am very proud of all of our students as they prove once more that there is NO place like OUR home!

4

01-08-18

Jpgrade to add users and get team collaborauور ، cools. <u>View pricing</u> »

This is a sample of the survey that STLP distributed using survey monkey. We collaborated with the STLP team throughout the unit to utilize technology in survey results.

W

PREVIEW & SCORE | COLLECT RESPONSES | ANALYZE RESULTS

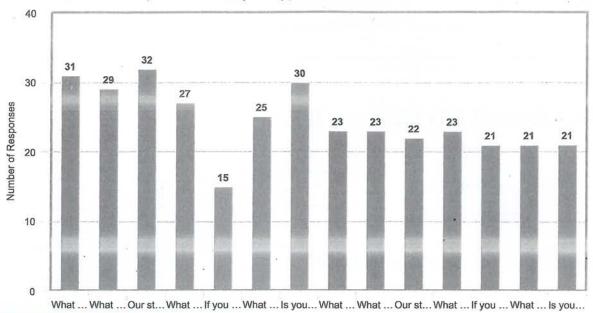
NEXT]

QUESTION BANK	?	^
Search for questions		
Recommended Questions		ÿ
Previously Used Questions	3	ÿ
BUILDER	?	~
THEMES	?	~
LOGIC	?	~
OPTIONS	?	~
/ PRINT		

	Page Logic –	More Actions -
+ UPGRADE TO ADD A LOGO		
No Płace Like Home		
+ PAGE TITLE		
1. What city do you c	urrently live in	n?
2. What type of job do?	o you or your	parents
341		
3. Our state is known area known for?	for coal. Wha	at is your

80

Interview Data
Survey Monkey/personal interviews



Interview Data

meta-chart.com

This is some of the interview data from parents and grandparents that was collected through survey monkey.

01-08-18

This is the note used to collaborate with parents and grandparents in effort to utilize businesses, community members, and people in coal related jobs to help us understand the impact of coal to our region.

Parents,

We are work

We would lov

in our class. t to help us

in this learning opportunity. De you own a business or have previously owned a business in our area, we would love to hear how coal has impacted you/your business. De you work in the coal industry and would like to share with the class, we would love that as well. Please complete the bottom of this sheet and return to school by Monday so that we can get everyone scheduled.

Student Name:		
Name of guest:		
Available times	to come share your stories with c	our
classroom		

Thanks so much for helping us learn more about the impact that coal has had on our history, economy, and everyday lives.

This note is concerning our outdoor learning day on reclaimed land. Utilizing reclaimed land gave my students a first-hand experience in effort to help them understand the important of reclamation to the economy and region.

AR coal unit, we will be going to Grant's ay, March 16th 2018 for an "Outdoor Branch is located on a reclaimed mining the resources to assist in teaching our coal in issue we will move into the cabin for the backing a school lunch. The cost of the trip

that would be greatly appreciated. Please contact me if you have any questions in regards to the trip. As always, thank you for all you do to make our students learning experiences, "Simply the best!"

Please return the bottom portion of this sheet to school by Thursday.

Branch Park on the bus on Friday, March	
Emergency Contact Name and number	
	Parent Signature

13

This sample is our group activity, cookie mining. The outcome of this activity showed the kids that the KY was harder to mine and the profit was less that the competition. It cost more to mine the KY coal and with the cookie being hard the coal was more difficult to get out. This allowed students to understand some of the issues that our state is seeing with the coal that is left to be mined.

Mining Worksheet

Date:

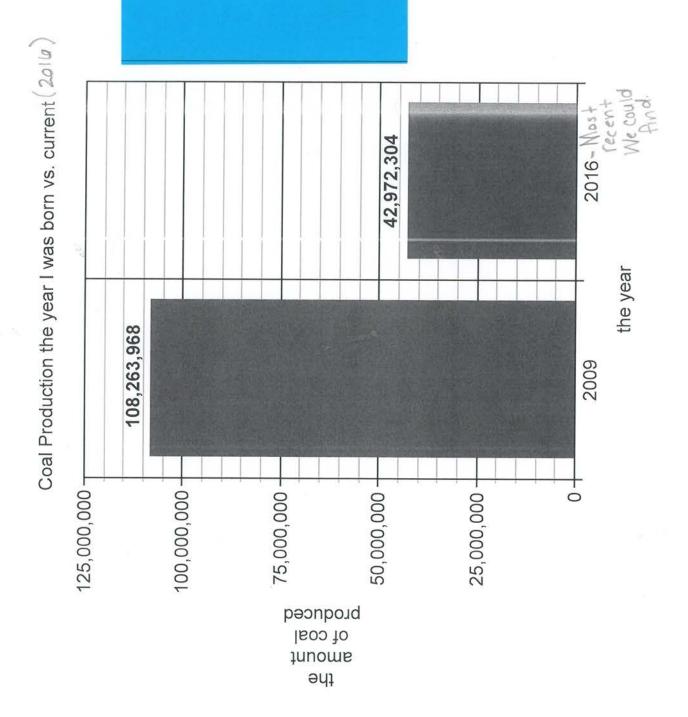
the KY he coa wed st f the is	e competition. It coal and with the I was more difficult udents to sues that our state t is left to be e of cookie pre-mining (used for reclamation)	\$	\$7
В.	E quipment costs Flat toothpick x \$2 = R ound toothpick x \$4 = Paper clip x \$6 =		
	Total equipment costs	\$	2
С.	Mining/excavation costs = chip removal Number of minutes x \$1 3		2
	Total excavation costs	\$	5
Ο.	Mining valuation Number of chips mined x \$2		0.11
	Gross profit	\$	34
Ξ.	R eclamation Squares covered outside original outline	x \$1	
	Total reclamation costs	\$	
	Profit/loss Start-up funds	\$19)
	less total mining costs (A, B, & C)	F#4	12
	less total reclamation costs (E)	-	0
	plus gross profit (D)	_+_	34
	Total profit/loss	şı.	41

Cookie Mining Worksheet

	Da	te:	
M inin	ng start-up funds = \$19		
Α.	Land acquisition costs = price of cookie (Mother's - \$3; Chips Ahoy - \$5; Chips Deluxe - Name of cookie	\$7) \$	\$5
	Size of mine = size of cookie Squares covered pre-mining (used for reclamation)	*******	8
В.	E quipment costs Flat toothpick x \$2 = R ound toothpick x \$4 = Paper clip x \$6 =		- 10 St
	Total equipment costs	\$	2
С.	Mining/excavation costs = chip removal Number of minutes x \$1 5		
	Total excavation costs	\$	3
D.	Mining valuation Number of chips mined x \$2		71
	Gross profit	\$	36
Ε.	R eclamation Squares covered outside original outline	x \$1	
	Total reclamation costs	\$	
F.	Profit/loss Start-up funds	\$19	
	less total mining costs (A, B, & C)	H 0	10
	less total reclamation costs (E)	·	0
	plus gross profit (D)	+	36
	Total profit/loss		45

14

This sample shows the electronic bar graph generated by a student using a computer program. This activity allowed my students a visual of the decrease in coal production. By seeing this drop students could understand the issues of fewer coal jobs in our state.



This is a sample of a reflection that a student completed to go along with his picture of how coal impacted his daily life and how coal is a resource that provides the things he needs as well as the things that he enjoys!

M



Coal in my home

SNAP SHOT

Directions: Take a snapshot of you at home showing the importance

What does this picture Mean to your future?

of coal...

How has coal fueled this?

What does this picture mean to you?

How coal helps my family

This is my poppy's hard hat. he wore it for safety when he gat his job at Mary Helan coal company it was a good job and he was able to but a house and take care of his family. Deing a coal miner made our family's life better.



with Poppy's coal hat.

In this sample, a student displays her poppy's hardhat and discusses how coal is important to their family to provide an income and to help them to have a better life.

Clues of Past before reclaimation

Small lumps of Coal. coal and rocks.
Coal under rocks.
lots of hills.

This is a sample of the nature detective activity on reclaimed land where students looked for clues of what the land was before reclamation and described what it looked like today.

What does it 16 look like today! Lots of trees.

Sqrel.

Chass nots.

aconn.

moths.

Yello popler.

berds.

fish.

Snaks.

rodesa

Outdoor Learning Itinerary

9:00- Load buses

9:00-9:30 Travel to reclaimed land site

9:30- Unload buses- students' complete the history lesson on wheels sheet about the history/heritage of the area they traveled through.

9:45-10:30: Guest Speaker- The park caretaker will discuss before and after of the reclamation and the importance of the park both now and before being reclaimed.

10:30-11:00 - station 1

11:00-11:30 lunch

11:30-12:00 station 2

12:00-12:30 station 3

12:30-1:00 station 4

1:00-1:45 Recreational time at the park (fishing pond, nature trail, play area.) and snack.

1:45-2:15- scavenger hunt/ drone flying to capture bird's eye view of the reclaimed land.

2:15- load buses and head to school

Students will complete a reflection of the outdoor classrooms when they return to school.

This is a copy of our daily schedule for the activities on reclaimed land (outdoor learning).

this sample is a reflection/questioning
activity that students answered after class
on reclaimed land. This showed that
students understood what the land was and
how it impacted our economy and region as
well as the benefits of what the resource
construction of the Lore

01-08-18

16

Date	
Ducc	

door Classroom med Mining Land

1) List three historical landmarks that you saw on your trip to the reclaimed site.

Historical Place	Impact on our area
henery food home	ford used to mine coal in our area for coal to be used for strel for his ford cars
(oal camp homes	Where miners lived to be doser to the mine
Company Store	Wrie Miners bought most they needed

2) Identify what the land was used for before it was turned into a community park and fishing pond?

Anold coal slurgry pond, Gois)		
J		10	
	Tall		
Al Al			
-			



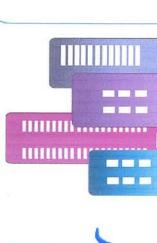
3) De	escribe what you think the land was like when it was a site? How would it impact the community as a mine?
1 .	of coal piles
rock	
lols	stuff
m)11	stuff
St	
0.40	SCRIBE what the land looks like now? How does it the community now?
grosy	
n'ice	
(PM	CVS
1	trea,
log ca	bin
bot	nd .
5) If	you were in charge of reclaiming this land, what would
you h	ave used it for? How would your idea impact the
Cono	thside Shopping Mall. (but better)
Joy	

Adapted from Teachers Pay Teachers for our outdoor classroom learning experience.

his is an individual city comparison sheets hat students used to brainstorm ideas after vorking in their groups and watching the ideo, Building a future on reclaimed land".

City Comparisons

Land". Use the questionnaire sent to 3rd grade classrooms across the world to compare the city to our community. What are some things After watching the YouTube Video, "Building a Future on Reclaimed that the bigger city has that we don't that could help our area to prosper in the future?



lots of service

More hotels than any other Place

There's No Place Like Home

Bringing and Keeping Jobs in Eastern Kentucky

Please complete this short survey and help our school to answer some tough questions and help us problem solve so we can find ways to provide opportunities and jobs in our future market.

What are some specific industries that you would like to see come to Kentucky?	
What kind of jobs do we currently have in our state?	
How could we build on those jobs and keep them in our state?	
What businesses have you seen while visiting other areas that you think would be successful and bring jobs to our area too?	3

This is a survey that the STLP team (in collaboration with our class) used to collect ideas of how to utilize the resources from coal to build up the jobs in our state. The STLP team consist of students from our grade as well as a couple of other grades and they decided to present, "No Place Like Home" to spread awareness of the issues we are facing in hopes to develop ways resolve those issues and build our economy back up.

Thank Yo naire in effort to learn more about other cities. This is a questionnaire that we sent to cities hich we are sk is a We are a around the United States to get a closer look unfortunate downfall of the coal industry in looking at ther cities around the world. We are very our area. at the types of things they have that build excited to their city up. This was used in a city comparison as we looked at ideas that could work for our state as well. "A Little a We are lo stically with the Wec decrease Coal was

Our area is known for:

The Coalfields:

art of the Central Appalachian bituminous coalfield.

We are known to have a rich musical heritage and are the home to several country music stars including Loretta Lynn, Patty Loveless, and Billy Ray Cyrus.

The closest major city to us i

th a population of 7,106. (About 20 minutes away)

Fun Facts: We live in a small remote area where there are no traffic lights, no interstates, and no Wal-Mart stores locally. © The only store we have within our community is a Family Dollar and a family owned gas station.

Help us to discover your city:

- What state/city do you live in?
 We are located in Chicago, Illinois. We are in the northeast corner of the state along Lake
 Michigan. Our school is on the northwest side of the city, located about 20 minutes from
 downtown.
- 2. Our state is known for the coalfields, what is your state (or area) known for? Whenever people think about Chicago, they think sports! We're still celebrating the recent Chicago Cubs World Series Victory, and who could forget the Chicago Bulls led by Michael Jordan in the 90s! The Willis (formerly Sears) Tower was the tallest building in the world for a very long time. We also have great restaurants, theaters, and museums – The Field Museum (Natural History), Museum of Science and Industry, Shedd Aquarium, Adler Planetarium, National Museum of Mexican Art, and many more! Rural Illinois is known for growing corn, soybeans, and wheat.

This is a print out from a survey collected using social media. We were able to survey 1,000 classrooms in our grade across the U.S. to see how many felt that their city was impacted by coal. We were astounded that only 297 of them felt that coal played a role in their daily lives. We collaborated with the STLP team to breakdown the results and see which results came from which states. We used a map and sticker dots to code this activity.

rom all 50 states. Our are collecting data. Do you omy? After you choose your ou reside in. Thank You Very

-	**************************************	
20+	□ no	749
- Second	yes	291
	☐ Texas	+81
	☐ Florida	+66
	☐ California	+46
	☐ Ohio	+38
	☐ North Carolina	+33
	☐ Kentucky	+32 33
	□ Illinois	+26
	☐ Indiana	+23
	☐ New York	+22
	☐ Georgia	+22
	☐ Pa.	+21
	☐ Missouri	+18
	☐ Tennessee	+18
	□ Virginia PINL	+17
	□ West Virginia Ycllows	+16
	☐ Oklahoma	+16
	☐ Michigan	+15
	☐ Arkansas	+15
	☐ Arizona	+15
	☐ South Carolina	+14
	☐ Maryland	+13
	☐ New Jersey	+13

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☐ Idaho	+7
☐ Wyoming	+7
☐ Montana	+6
☐ West Virginia	+6
☐ Maine	+6
☐ Virginia·	+5
Connecticut	+4
☐ Rhode Island	+4
☐ Mississippi	+3
□ NH	+3
□ Nebraska	+3
☐ South Dakota	+3
☐ New Hampshire	+2
☐ Vermont	+1
☐ Alaska	+1
☐ Delaware	+1
Add an option Lawaii	

Ch55,

January 26,708

Arkansas. Dur class is participating in a Social Studies project. The idea is to unite to a.

Doss in anouther city or State to learn about.

Lasses, schools, and communities across America.

Please look at our questions, fill out the questionnaire and mail it back as Soon as you can. Trank you for nepring us out with our project. I cannot wait to hear obout your schools city and state,

Sincerely

Please mail to

This activity is a part of the great mail race where we signed up with other classrooms in our grade level across the U.S. in effort to learn more about their cities and to share about our own. This is such an important activities from my students because many of them will never have the opportunity to visit these cities so we are bringing pieces of each city into our classroom through social media and "snail mail" too!

This is part of our great mail race. Instead of asking the questions in this letter we are responding back to another school and utilizing the opportunity to teach them a little about coal and what it means to our state.

Studies project on Communities. Please fill out the information on as you can.

ilizing the opportunity to teach them a le about coal and what it means to our state.
School colors? <u>red and blue</u>
door of your school? Mountains-we are relds! We have mined these mountains for over a humanayears.
What grades are in your school:
How many students are in your school?
How many students are in your class? 33 in our grade
What months does your school begin and end? Aug - Tune
How long is your school day? 7 hs, From 9:00 to 3:00
AA AA AA
Do third graders change classes? If yes, for what subjects? Ves Math Science
reading/social/studies.
About your city and state
What major landforms or waterways are in your area? The Appaichian Plateau Neavily forested With trees/mountains.
What is the weather like? <u>relatively himid warm rainy Summers</u> Moderate and Showy winter Describe your community. Circle one Urban Suburban Rural
What is the population of your city? $\frac{2}{3}$
What large cities do you live close to?
What are somethings your community does together? <u>Our Community Works together</u>
Sustainable economy. If we came to your city where would you suggest we visit? We are a coal town so
I would say to drive by forms Ford's home and see Coal Mines and Cool camp houses to get a look at our heritage! If we came to your state where would you suggest we visit?
Ky, has some wonderful parks; one nearby built on
vectormed mine land!

n		
Dear		
D C G I		

We are so excited to be a part of a "Great Mail Race". We enjoyed completing the questionnaire and sharing our coal heritage and the importance of coal here in the "Coal Fields". Our way of living has always been and continues to be centered on coal. Times have changed in our area and we have experienced a loss of coal related jobs which has in turn had us looking at ways to utilize the reclaimed mining land and resources from coal to build up our economy. Your letter came at the perfect time as we have been busy reflecting on the importance of coal and where that will take us here in our area in the future. We would love to hear back from your classroom about your local economy and things that you enjoy about your city!

We have been busy sending out questionnaires to learn about cities around the world and have been comparing those to our city using a giant map that we have on our bulletin board. Please help us out by completing our questionnaire and returning it to us. We will mark a sticker for your hometown to show our communication. We love our history and heritage and know that our fathers and grandfathers have enjoyed mining it. However, we look forward to finding new ideas from your city that we too could use.

We are Thankful for the resources that coal has provided us with and know that with the right involvement and participation that we see our community overcome the current issues of job shortages to move forward and progress!

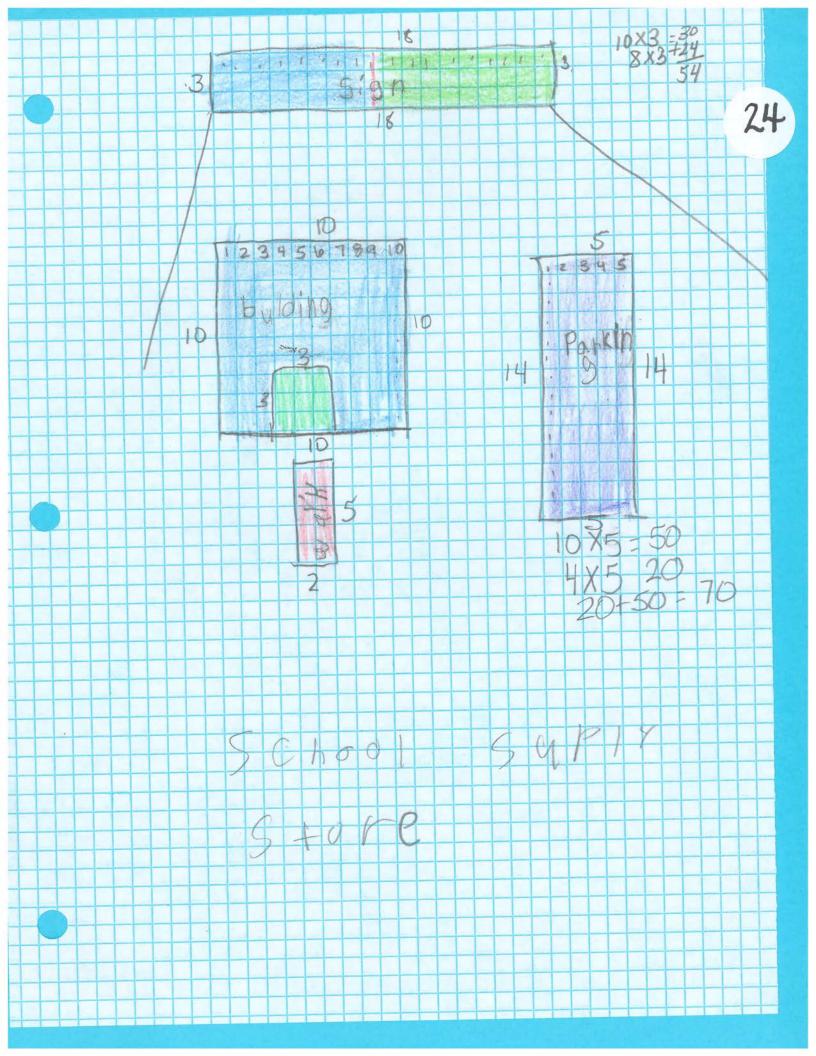
Sincerely,		

Area and Perimeter Business Blueprints

Your task is to design your new business on this piece of reclaimed land. Use graph paper to make your business.

Building: Area 100 Sq. ft.	100 Sq. ft.	Perimeter: 40 f	ft.
Parking space:	70 Sq. ft.	Perimeter: 38	ff.
Sign:	54 Sq. ft.	Perimeter: 42	ft.
Entrance door:	o sq. ft.	Perimeter: 12	£.
Area of আঙ্গ	10 sq. ft.	Perimeter:	ff.
Area of :	sq. ft.	Perimeter:	f.
Area of :	sq. ft.	Perimeter:	Ĥ.

this is an additional activity that we did when we
were discussing how so many business had
closed and that so many buildings were vacant in
our area we had the idea to pretend that we
were putting our business into the vacant
building across the street that we can see how
the classroom window. Students used area and
perimeter to design their blueprints. (We did
pretend businesses on market day and this
allowed them to connect to the real world!) We
discussed the advantages to us and the impact to
our economy by having our business in that
location.

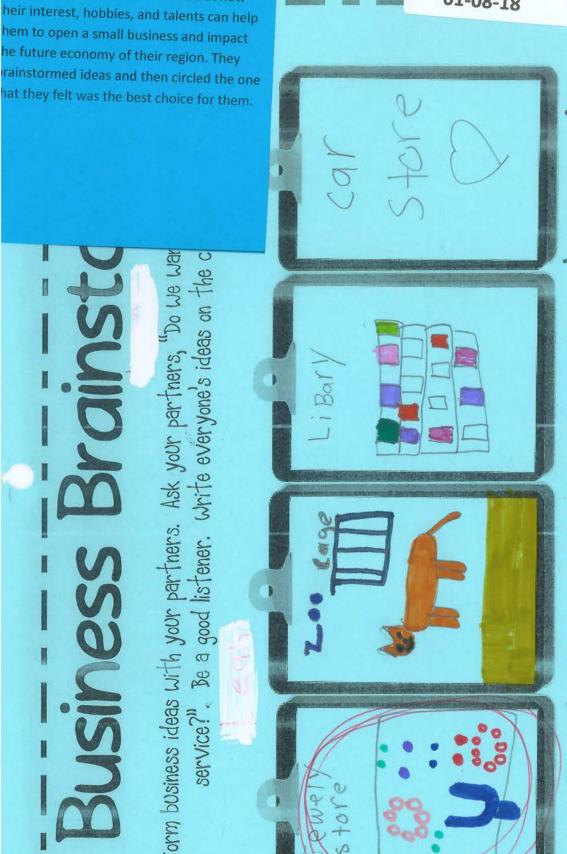


This sample is our brainstorming for our small businesses. Students looked at how

hem to open a small business and impact he future economy of their region. They

hat they felt was the best choice for them.

Brainstorm business ideas with your partners. Ask your partners, "Do we war Write everyone's ideas on the c listener. 900g O serVice?"



ce your group agrees on a good or servi

Welcome to Market Economy Day!

Growing our Future Sustainable Economy Utilizing Reclaimed Land Thank You for shopping with us

Please

take a moment to complete the customer satisfaction survey ©

Small Business Start- Up Fees

\$ 10.00 Start up

Storefront on reclaimed land:

Front Location: \$5

Middle Location: \$3 \$≦

Back Location: \$2_

Advertisement within the community \$2

IPad Commercial - \$3

Electricity and Water - \$1 each $\overline{\$}$

Business start-up tax \$1 🐒

Employee \$1 each 🐒

This is an example of the small business start-up fees. All students were given \$10 to start up their business. They had to apply critical thinking skills to decide what to buy that would most benefit their business including advertisements, land space in different areas of the reclaimed land, taxes, and employees.

00-6\$

This is a sign used at one of the small businesses. Each business had a sign to advertise their products.

ometown Autc

We will give you a deal on a new set of wheels



This is a receipt that one of the students used as he sold his products. I think he grew to appreciate technology after trying to hand-write 780754 all of these®. DATE NAME MDSE, RETD. PAID OUT ADDRESS CHARGE | ON AGCT. CITY, STATE, ZIP PRICE CASH SOLD BY 1.00 200 SMQ! 3 5 6 8

TOTAL

KEEP THIS SLIP FOR REFERENCE

RECEIVED BY

A-24705W T-46901 These are market day reflections from students. The reflections demonstrate the knowledge that each student has about the mpact of coal on their business and the mportance of Market Day in general.

my Day -Student Reflection

CLLIN	JUS DEIDOUSTIATA THA	
ach s	student has about the	day business?
	r business and the	n of your business on the reclaimed land?
rket	Day in general.	front.
		ness help the local economy?
		need em Ployees. I would need
		s gar supplies that IN ould by
		it pushess so that create more
4	Jobs,	
4.	How does coal play a	role in your business?
	nildfor	Limnes and Rayioment for the
	Deti.	- 10000) With Ed Olburgelli 401 the
5.	What type of qualities	s/skills did you need to have to run your business?
		Delience with animas,
	Ornanizzon	Citadel Ship bean and mandall
	prpolite	be a sod at math to count stock.
		, , , , , , , , , , , , , , , , , , , ,
6.	How much money did	you make by operating your small business for one hour?
	41/00	in one hour
	11100	111 0110 1001,
7.	We hegan with \$10 to	start up the hurinesses. How much was your start up seet and what did
1.	that include?	start up the businesses. How much was your start-up cost and what did
	13,00 land	4,00 tav
	\$3,00 PDM	11+101 1 100 Days And Wats
	12,00 SIMM	1
8.	How would this entre	preneurial experience impact your decisions for your future career?
	1+ mak	es me want to one on
	pusiness	because OWAINAN husiness
	WUS / 10	14 f 40.

9.	What did you love abo	out Market Economy Day?
	F10 W 1) 1(t the proper well.
	N 11	
	D	r
10.	What did you learn fro	om Market Economy Day?
	WHINI	first opened my huness
	I was no	1. YOUT but after al Floring in Utes!
	1 WOS 056	d toit I leared that you had
7 /	re polite,	smile supply and admiand, And
1	St of 211	haute
	. Mail	July Stell commen

Market Economy Day -Student Reflection

1.	What was your market day business?	
2.	Where was the location of your business on the reclaimed land?	
2	6 3 10 0 311	
3.	How would your business help the local economy?	
	My buishess gives Milk and eggs and	×
	meat 50 it supplies other buishest	25.
	I would por toxes to help my econ	nmi.
		en list,
1	How does coal play a role in your business?	
4.		
	It is an reclamed land and all the	
	animals that I'm , selling used to live	2
	on mountaions that is now reclaned	10.0
5	What time of qualities (skills did you need to have to win your business?	10.0090
٥.	2 ±0 M	ers,
	manners, addition and subtraction for	
	counting muneyo	
6	How much money did you make by operating your small business for one hour?	0.0
0.	A strain money and you make by operating your small business for one nour.	
	30000	
	59,00 in one hour.	
7.	We began with \$10 to start up the businesses. How much was your start-up cost and what did	
	that include?	
	7:00 for my land, byness, tax,	
	employee, water and electricity.	
8.	How would this entrepreneurial experience impact your decisions for your future career?	
	To be nice to people and I want	
	To be a worker of a store so	CL
	this let me see that could own	a Stor
9.	What did you love about Market Economy Day?	
	The said of the manting new or cole	
	The state of the s	
	and sell state to move.	
10.	What did you learn from Market Economy Day?	
	How to sell my product.	
	TIEM TE SALL LINE DINGOLD IT	
]

The next couple pages are samples of customer feedback surveys taken by faculty and staff that shopped at our market day event.

PP-s de out market day	and help us to
event.	hon with us and the hones to create
	I for taking your time to shop with us and help us to preciate you helping our small businesses in hopes to create preciate you helping questions.
	for taking your small bushing
	Tior carryon helping our
	ppreciale yeuring questions.
	ppreciate you helping eppreciate you helping
	wer common our common
	e a stole
	Shop
	nonstrate business and leadership skills? TO ESSION T
	inoss and leadership ship of the strimers
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	ionstrate Wastern The
- husilies 1	Shoptorost
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The to laures	
- Show	1 211 The
015 515	ionce in at Attacionale
3. Leave us a comment on yo	anning experience
+ on vo	ur shopping Shapping (1)
or a comment of	Wed all Miles
3. Leave us a pally	1 10re
J. Trainfihe	Miles
16005	
5/10/	

Customer Satisfaction Survey – Thank You for taking your time to shop with us and help us to experience being an entrepreneur. We appreciate you helping our small businesses in hopes to create a sustainable local economy. Please answer the following questions.

1. Which shop did you feel could be a store in our community?

Int Works that Sold gravel, Sand

2. Did our business owners demonstrate business and leadership skills?

Yes Ifeel they were very professional

3. Leave us a comment on your shopping experience...

Very fixedly and anxious to help the

Custom	er Satisfaction Survey – Thank You for taking your time to shop with us and help us to
experie	nce being an entrepreneur. We appreciate you helping our small businesses in hopes to create
a sustai	nable local economy. Please answer the following questions.
1.	Which shop did you feel could be a store in our community? The Pottery Place and the sand and
	gravel would be good for any
	Scommunity
2.	Did our business owners demonstrate business and leadership skills?
	The store owners were friendly
	and informative
3.	Leave us a comment on your shopping experience
	My shopping experience was awesome
	I would shop there again

Customer Satisfaction Survey – Thank You for taking your time to shop with us and help us to experience being an entrepreneur. We appreciate you helping our small businesses in hopes to create a sustainable local economy. Please answer the following questions.

1. Which shop did you feel could be a store in our community?

Sporting Goods Store

2. Did our business owners demonstrate business and leadership skills?

Yes they explained things greatly to promote sales

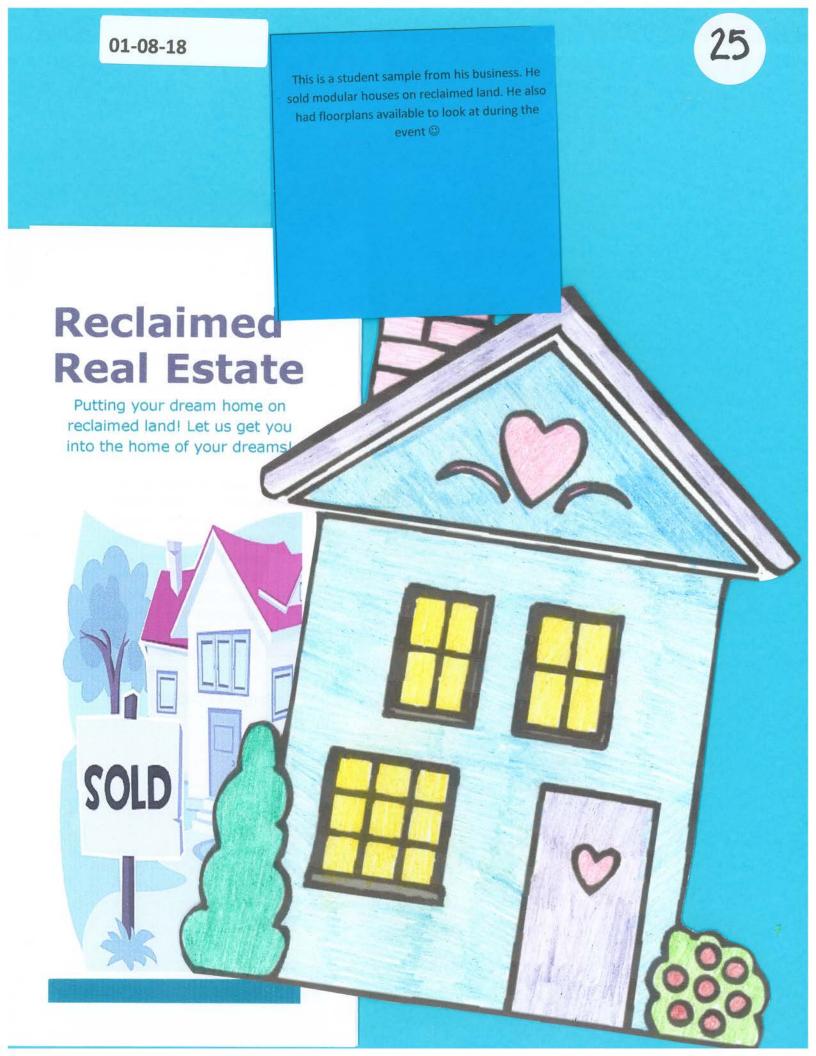
3. Leave us a comment on your shopping experience...

I wed Shapping at all the different places. They did a great jobs. They were polite and lager to sell the items.

experie	er Satisfaction Survey – Thank You for taking your time to shop with us and help us to nce being an entrepreneur. We appreciate you helping our small businesses in hopes to create nable local economy. Please answer the following questions.
1.	Which shop did you feel could be a store in our community? Clay Time Pottory
2.	Did our business owners demonstrate business and leadership skills? Jes very intermational and knowledgable Jo his product.
3.	Leave us a comment on your shopping experience It was a great expendence really enjoyed it, I feel the kids learned a lat.

	TOTAL STREET,	ner Satisfaction Survey – Thank You for taking your time to shop with us and help us to ence being an entrepreneur. We appreciate you helping our small businesses in hopes to create
ľ		inable local economy. Please answer the following questions.
	security and decrease	Which shop did you feel could be a store in our community?
		Auto Dealership
		Jeweln
		Stone Dirt Works etc.
	2.	Did our business owners demonstrate business and leadership skills?
		Yes. The students all greeted me and tried to sell me their good or service.
	3.	Leave us a comment on your shopping experience
		Love this real world experience for our
	12	







1200 sq.ft. FIRST FLOOR 248 sq.ft. PORCH AREAS

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his Is a sample brainstorm of a student's dvertisement for their business.

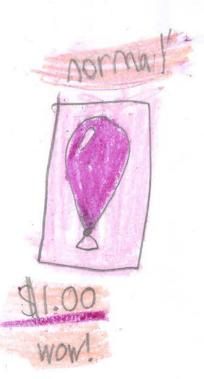
Poster advertising your good or service.
This is your rough draft.
Include these 3 things:

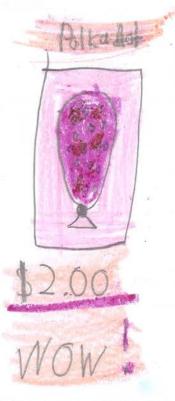
- 1. The name of your business
- 2. The cost of your good or service A picture representing your good or service



Colors ored While supplys

Colors, blue , rellow, Green!





this is a sample business plan to prepare the tudent for their market day business. We liscussed supply and demand and they had to set a price. They also had to think of a name for their business and list the things hey would need to run their business uccessfully.

usiness Planning Page

Are you providing a good or service? I or How will yo

thou will you make your go or thou will you provide your s write at least 2 sentences giving the balls will related.

Flour and

\$ Pla

Business Name

will it cost

Much Indress

Water X
electricity X
balloons /

What materials or supplies will you need?

Our Classis Publishing a Book! We are now published authors and our





books can be used even after our unit's end importance of our home and how we can to help educate others about the use the resources provided by coal to move forward and progress in the future!

t your child's work will be featured in a ! This will be a treasured keepsake in my come!

e copies of this one-of-a-kind book. Order now and

ardbound copy of this book, but only if I get your order n if you check "No."

in our classroom endeavors.

my child's classbook. I understand that if I am in turn any copies for a full refund.

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Place Your Order						
Softcover Books Softcover books feature full-color pi	rinting and a glossy	X \$1	9.95 USD EA	CH =		

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Standard Hardbound Books

8.5"x11" softcover.

Standard hardbound books feature full-color printing and a glossy 8.5"x11" hardcover.

Deluxe Hardbound Books

Deluxe hardbound books feature an 8.5"x11" matte cover for a sophisticated, smudge-resistant finish and are bound with thicker, more durable cerulean blue end sheets.

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TOTAL AMOUNT DUE =

2	Choose	Your	Method	of	Payment

Cash Check made out to Studentreasures Publishing (Return check policies are available at Studentreasures.com)

Credit Card (online only) We accept











1. Go to Studentreasures.com/Preorder to pre-order your child's book.

2. Print and attach order confirmation to this form. If a printer is not available, insert authorization code below.

AUTHORIZATION CODE (Provided by website after payment is submitted.) 3.

Parent's Contact Information

NAME							_	_	_		-	_	_		_	T	_	
												_	L	\perp		_	_	_
EMAIL (Imp	ortant in o	ase the	ere is a	questio	on abo	ut you	ır chilo	l's boo	ok. It v	will no	t be sh	ared.			-	_	_	_
PHONE				+														

NO, I am not interested at this time. I understand this is my only opportunity to purchase additional copies at this price.

analysis of unit samples and reflection Student

Mountains and Power Critical Thinking Activity –CEDAR UNIT 2018

ĵ	The article tells valuable resources that the mountains provide in other areas. What is a valuable resource that our local mountains have provided us with?
2.	How did the resource above help to establish our
	community years ago? Coal helfed to bring People to OUT Commuity. This make a need for Schools, houses, Stores, and rail roads.
3. I	In what ways has the resource above impacted your
 - -	personal life? Coal has gave me electricity and made my community a better Place to live.
4. 7	The article discusses things that the mountains have made
ķ	possible. What are some things that the mountains have
r	made possible for our community? The mountains made many coal jods

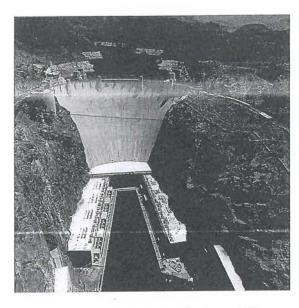
Mountains and Power

This text is adapted from an original work of the Core Knowledge Foundation.

Mountains are amazing formations. Not only can they be incredibly beautiful, but they can also provide us with valuable resources.

Take mountain streams, for example. They are valuable not only as sources of water but also as sources of power. As streams and rivers travel downhill, they sometimes form waterfalls. The currents of the waterfalls can be used to make power. Hundreds of years ago, people used the force of the falling water to turn waterwheels. The waterwheels powered machinery. Some machinery ground grain or wove cloth. Today, water gives power to huge generators that make electricity.

Today, when there is no waterfall, people sometimes build a dam to hold back the water in a river. When the water behind the dam is released, it flows downstream rapidly. It has as much or more force



A large hydroelectric plant at the base of Hoover Dam on the Nevada/Arizona border.

than water going over a waterfall. This running water turns huge generators in hydroelectric plants that make electricity. Mountains make this possible.

A. Identify at least two problems that you think our local area / economy is facing. B. Identify at least two local resources that will help us to overcome some of the issues that you feel our area is facing. A. TWO Problems are coal mines have shut down and there are less Jobs inour State.

B.Two resources that we have are reclamed land to put factories of dund we have coal miners town 1/1 the factories

01-08-18

Open Response (Short Answer) – Essential Question #3

Coal has always played an important role in our community and will continue to do so in years to come. However with alternative energy and competitive energy sources it is important for us to look at how we can help to build a future sustainable economy.

combination with the resources that coal has provided us with to fuel a Explain how you can use your personal interest, talents, and hobbies in brighter future for our local economy. Ä.

A.I. he to be ceative and I could use that talent to open up a business on reciained land in my area. That would give people more jobs and more more more jobs and more more more jobs and more more more like electricity,

As We reach the RATE OUR UNIT



Finish Line...

Directions: Circle the medal that BEST rates our CEDAR unit!



If you chose:

1. Gold: Why do you think we had a gold unit?

lot about eagl and we ansemd all, of the

Silver: What made this unit a silver?

What did it need to be a gold?

3. Bronze: What made this unit a bronze?

What are two things that we could do differently to make it a gold?

I did my very best on all the coal unit activities:























My teacher gave me chances to look at my learning and fix things

I helped my teacher to think of fun activities for us to do













My favorite activity was: Na V ind

I had to think outside the box on some of the activities.

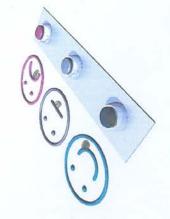
Class on a reclaimed land,

The activity that I did my best on was: gnal KC.

perlander buisness. The activity that I needed to work on was $\Delta_{\mathbf{f}} \in \Delta_{\mathbf{g}} = \Delta_{\mathbf{f}} + \Delta_{\mathbf{f}}$

on our coal unit. Overall I would give myself a_

0



End of Unit FEEDBACK...

I understood the learning goals for our unit?

I understood the learning targets "I Can" statements for the unit?

I had choices in how we were going to reach our learning goals?

I had fun while learning about coal?

• My favorite part of the unit was:

a Continue - Market Day Solda Mineral and Come to I would change the following about the unit:



Video Reflection ...

help overcome current issues and build a future sustainable economy. Land". Write three new facts that you discovered that we could use to After watching the YouTube Video, "Building a Future on Reclaimed

mes coal lands plovides new oppostante Bince the recorded and has been now have har been mores any mals ATVICACKS e- clamed land brong in

tor recration.

"How Does Coal Drive Your... **End of Unit Reflection**

である。



recolomed land that werwestern build parks, Factories and air port rsourers like -oal has provided



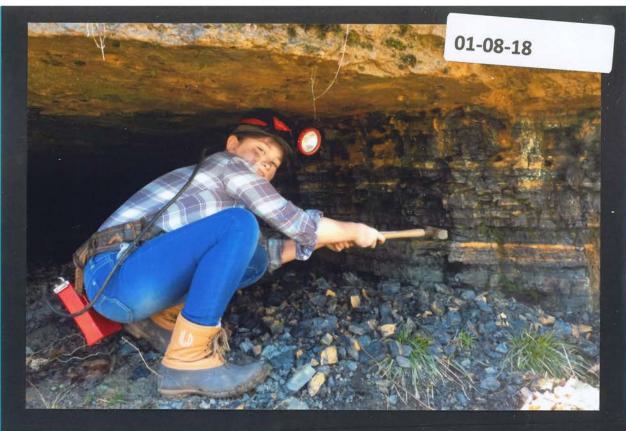
Would not have the thing Was not Par Esal We for our électricity Coal is used We was in our clase,



to mine coal. (oal gave People came to my area my orea Jobs.

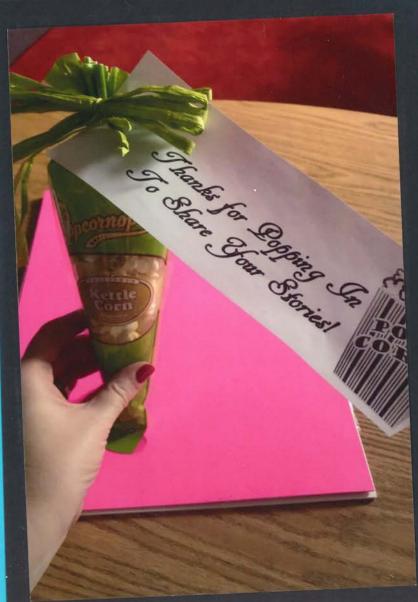


Thank You for unit! We hope reviewing our vou enjoyed!



We had so much fun digging into our past to see how coal had impacted us, determining current issues, and seeing how we can take control to build a future sustainable economy thanks to a strong foundation of coal!

We were thankful to all the guest that "popped" in to make our unit the success that it was!



ALL ABOUT COAL

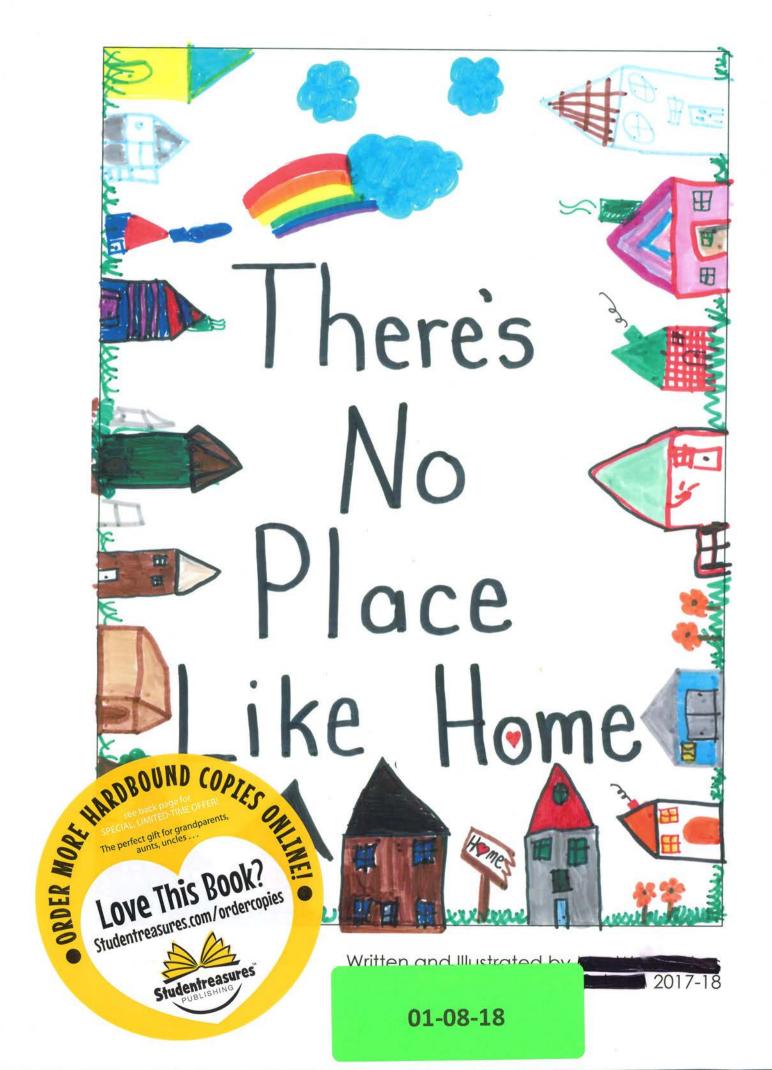




Foundation

This c

elongs to



here's Vo Place like Home

BY

Class

DEDICATED TO

A future Sustainable Economy built on a foundation of coal.





lo many people, a home is built of boards and beams. To our class, a home is built of love and dreams. Our home is a place built up from coal and dreams of prosperity from those long ago. Our ancestors made a discovery many years back, embedded in our mountains were coal seams of black. News of the black gold quickly traveled around as men came from everywhere and built up our town. They built not only their family a home but a town that would continue long after the coal would be gone. Even with Changes, we continue to mine today but now must look at our home in a different way.



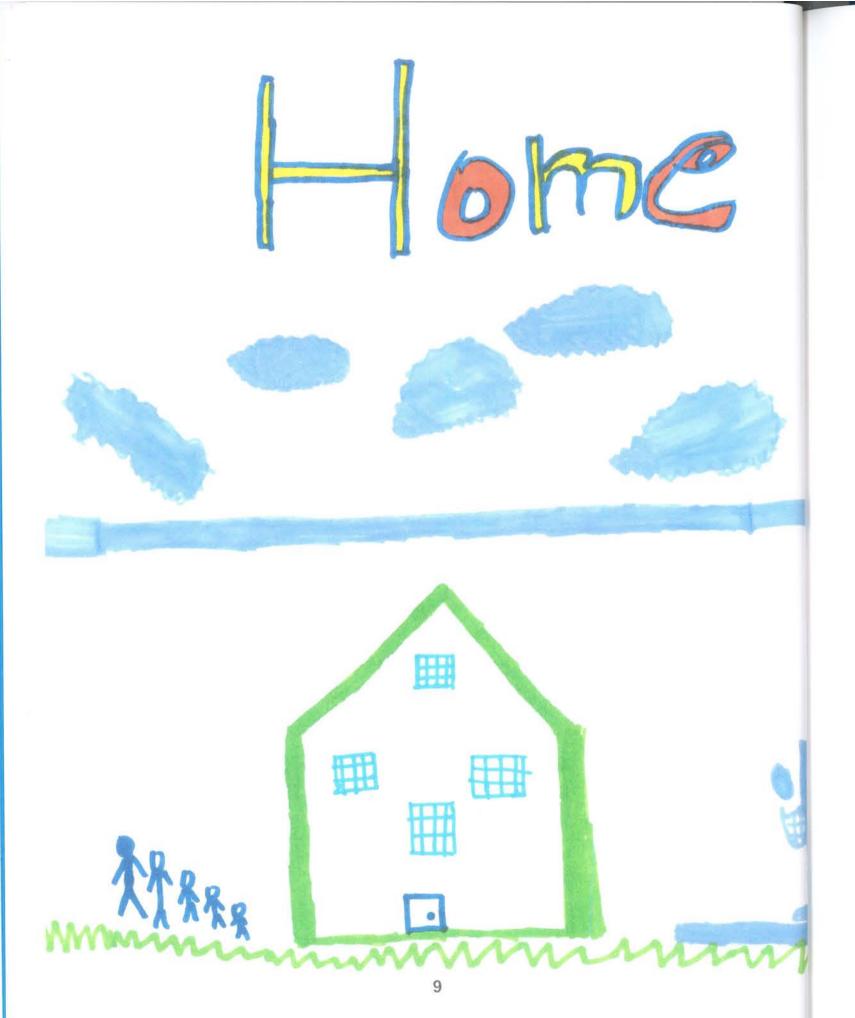
We think of our homes in many
different ways.
However, home is a place that
We all want to stay.
We all want to stay. Coal has built our foundation
Sturdy and strong
It has provided us resources
as we go along.
So as you turn the pages of
It has provided us resources as we go along. So as you turn the pages of our little book,
read what home means to each of us to get a closer look.
of us to get a closer look.



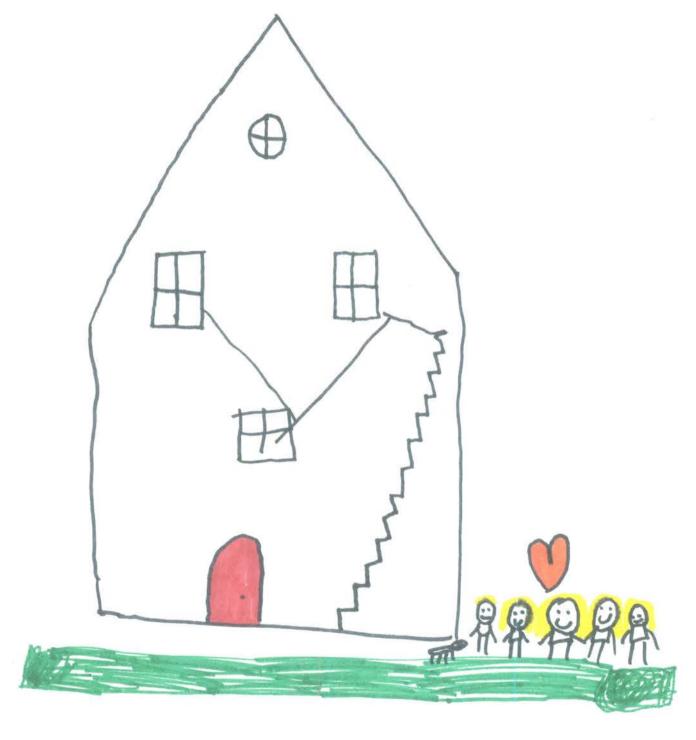
Home is where I live.
Home is where I live. It is where my family and friends are. Home is a Place that provides food. Shelter. and all the things that I need. Home is more than it seems. It is a place in Kentucky that I will always love.
and friends are Home is a
Ol . Il at or widge C. I chalter
Place that provides tood sheller.
and all the things that I
need. Home is more than
it Seems. It is a place in
Kentucky that I will
O Love
a Iways love.



Home is memories of playing
Home is memories of playing with my cousins. It is a place that I love and would'nt want it to be destroyed. Home is a place that I can't put into words. Home is price-
want it to be destroyed.
put into words. Home is price
less.



Home is a Big house where
bister, and I line. Home is a
Sistery and I live. Flome is an
place that gives shelter, and protoss me. Home is a place that has a lot of people. Home is a special
lot of people. Home is a special
place.



Home is my Shelter. It is my happy place. Coal helps to give my home light. Home is a winding road in between Mountains. Home is more than a house, It is family. It is love, it is fun with four girls and my dod and my dog.
Home is a winding road in between
mountains. Home is more than a house,
It is family. It is love, it is fun with
four girls and the dos and try dog.



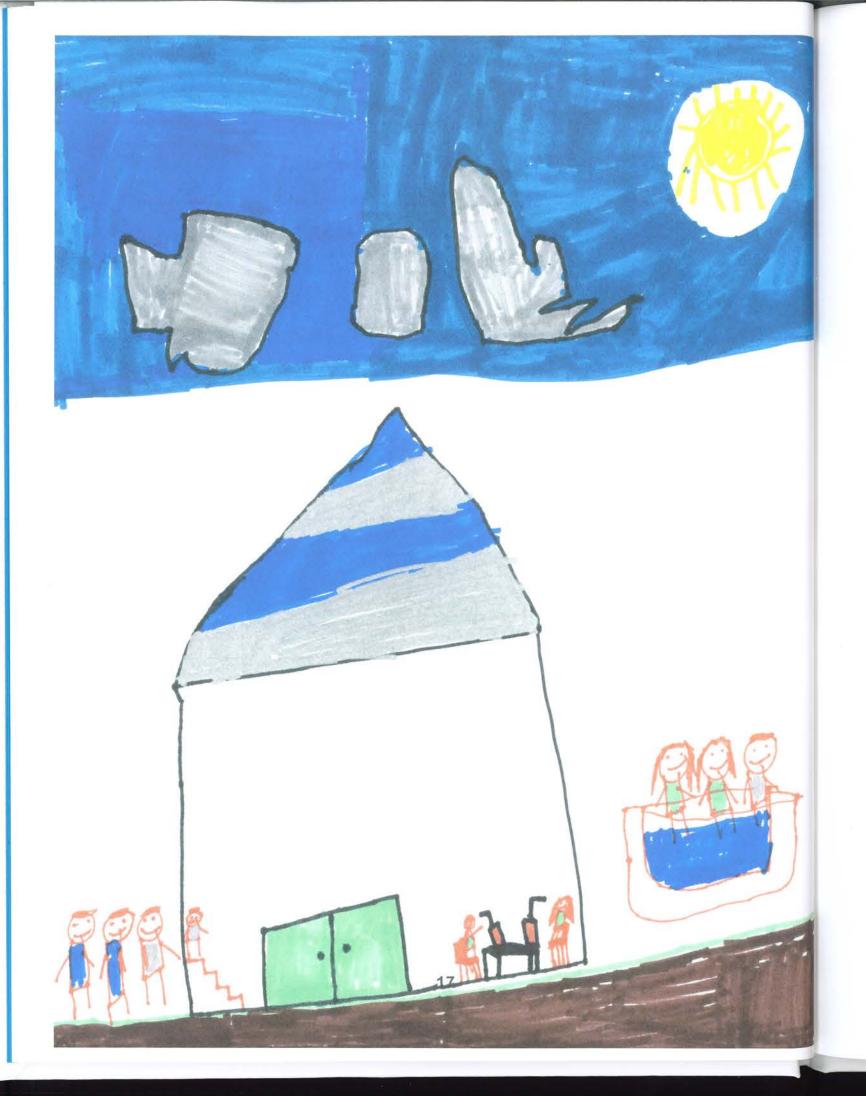
Home is a place where my family lives. Home is special. It is a place Where I feel Safe. Home is a place to play out side and pass my ball
meed lik food and Selters. My parents Work hard to make
My home the best place to live.



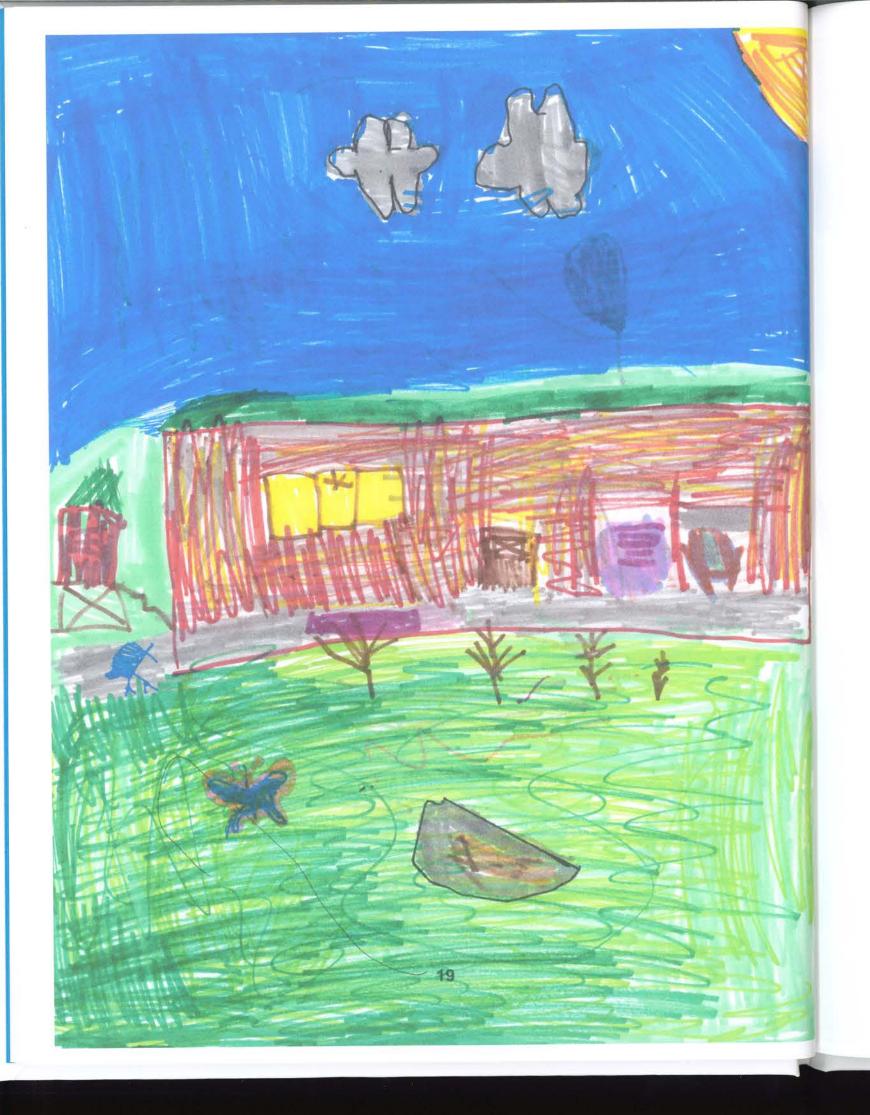




Home is a place that keeps me dry. It is my Shelter Home is much more than a Shelter. It is a beautiful Place. It is a place where I can spend time with my family.



Home is a Place to Plax.
It is a big yard to Ruh
in. home Keeps us Warm.
It gives US a Place Where
We can all be together.
Home is Kentucky, a Place
Full of mountains that has
gave us coal For a very
Jave us coal For a very Long time. Home is Where
i Live and Where I Love
T PIT C OTTO MILLION
, IE



Home is some when that I wish I could be everydou. Home is a place with food, a bed, and a bible. Most of all home is where my family is. My Mam (cooks, Cleans and works My Dadry Mows the lawn and is our Meteoroliges My brother Makes my home fun. My family Makes my home special because they love me.



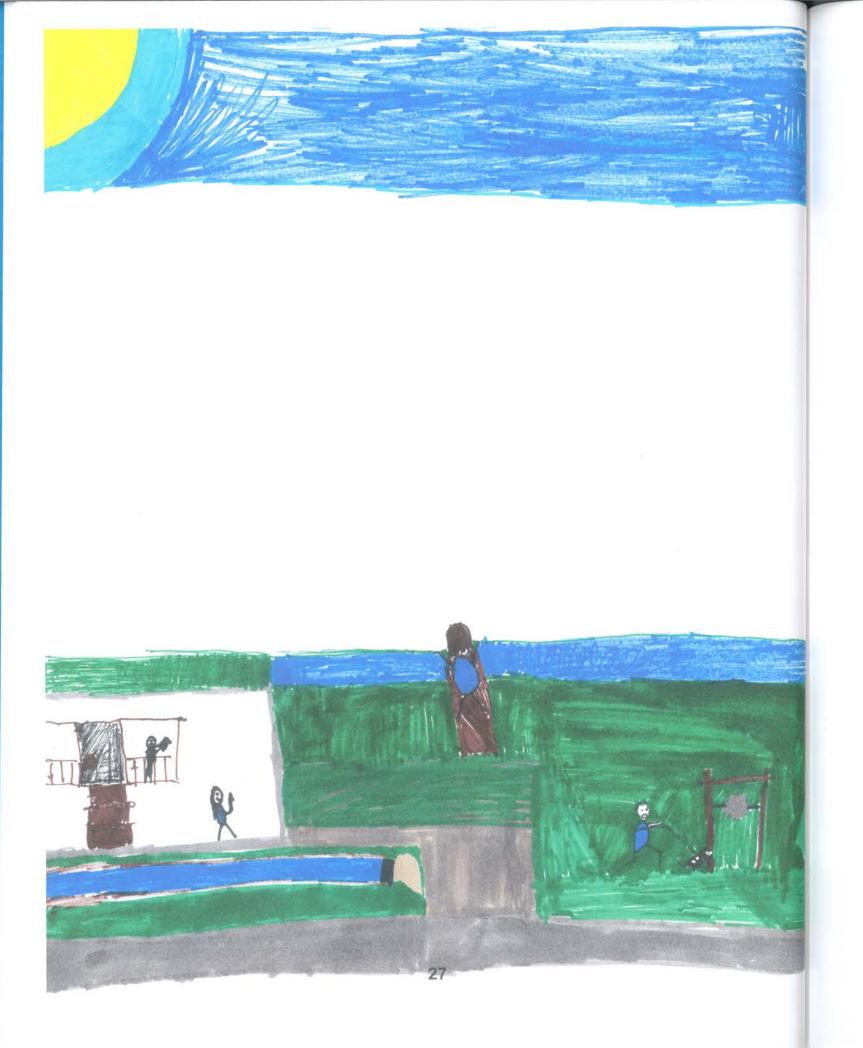
a couch, a bed, a roof over my head A fridge full of food, a t.V. and a safe place to be!	Home is
A fridge full of food, a t.V. and a safe	a couch.
A fridge full of food, a t.V. and a safe	a hed.
A fridge full of food, a t.V. and a safe	a rang over much
and a sate	di tout over ring n
and a sate	A Cilon Cu C C
and a sate	A triage tull of Tood,
and a sate	a t.V.
place to be!	and a sate
	place to be
	7.455
	X



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keeps ne sofe, Hone
is 9 Place to SLOEP)
having tood to eat,
9nd Shelter +0 keep
me Warm. hone 15
9 PLACE tO PLAY. A
heighhoor hood that
15 sque. Home 1s hgving
tun With My tamy
Home is Kentucky Hame
is having 9 school I like
really 15 ho Place
1010
Like Home!



HOME IS SAFE AND QUIET IT IS WARM AND COMFY HOME IS IN The COUNTRY Where everyone is frend in Home is riding any bike outside and Watchining Maries with My siter Home is a place That I Love and Want To take care of itso that i can Live There The rest of My Life.



Home isfamily, a shelter, and
frinds. Home is a place where
there are lots of mountains with
stories to tell. Home is anold mine
coal nearit. that on & had miner
Home is war with mysisters.
Home is warm, safe, happy, and has
food, water, I Love home. Home
is a place where talways want
to be
-0 DE
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Home Place & Video 9hd a Home Protz Homz Very S	c+5	me -	elte from	r + h	icity, arh. at rms.
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Home is a STecial Flace tome.
Home is a special Place tome. It is where I con work with my
rolly Heteaches mehow to chop
Weal. Vaice aga Klah. and
Fam. Homeira Place Where I
Tam. Home is a stace where I
rig/ Withmy do yeller nome
is rlaying With cousins,
and viding four wheelers in the
rlaying With cousins, and riding four wheelers in the mountains Homeis allace that
a Love.
40016.



Home is my castle. Home is where I sleep. Home is close to a coal mine that is getting ready to open again. Home is a place where I can have fun. Home is dirt bike riding to the strip mines Where you can see coal mining equipment. Home is a beautiful and wild place.



Home is all of the things
listed above; but some times
home may need a little more
love. We have lost some coal
jobs and had friends move away.
However; We can work together
to make a brighter day.
We can use our interest and
talents together with resources
from coal, like reclaimed land
to get to our goal. So no matter what the future holds or where
What the future holds or where
We may roam; we will always know
there's no place like "our" home!