



Boulder County Latino History Project

Lesson Plans

Title: Lafayette History: Farm Work and Coal Mining

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Overview

Lesson Overview	Students will learn the history of Lafayette by discussing images and investigating coal mining and farm work. The objective is to allow the students to connect to the history of Lafayette by participating in physical activities that miners and farm workers did that took place between 1900's-1950's. Since this lesson will take place at a bilingual school, teacher can also discuss the keywords in Spanish.
Author(s) & School	Kathy Luna Escuela Bilingue Pioneer
Grade Level/ Course	Preschool
Standards	Teaching Strategies-Objectives for Development and Learning Social Emotional: 3. Participates cooperatively and constructively in group situations Physical: 4. Demonstrates traveling skills 5. Demonstrates balancing skills 6. Demonstrates gross-motor manipulative skills 7. Demonstrates fine-motor strength and coordination Language: 8. Listens to and understands increasingly complex language-follows directions 9. Uses language to express thoughts and needs 10. Uses appropriate conversational and other communication skills Cognitive: 11. Demonstrates positive approaches to learning- attends and engages, shows curiosity and motivation 12. Remembers and connects experiences- makes connections 13. Uses classification skills Literacy: 17. Demonstrates knowledge of print and its uses Mathematics: 22. Compares and measures Science and Technology: 24. Uses scientific inquiry skills 26. Demonstrates knowledge of the physical properties of objects and



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	materials 27. Demonstrates knowledge of Earth's environment 28. Uses tools and other technology to perform tasks Social Studies: 30. Shows basic understanding of people and how they live
Time Required	Mini-lessons, three 15-20 minutes lessons- Can separate into 3 days.
Topic	Agriculture/farm work/ranching; Mining
Time Period	1920s-1930s, 1940s-1965
Tags (keywords)	Coal mine, working in the fields, farms, agriculture, transportation, miners, sugar beets, music, mining, immigration, women and children, farmers, lignite

Preparation

Materials	Images of coal mining and farm work, whiteboard and markers, plastic fruits and vegetables, plastic coal mining tools (hammers), plastic field work tools (shovels), baskets, helmets with flashlight, dirt, plastic bins, rocks (lignite), ipod and speaker Many of these things can be purchased at dollar tree
Resources/Links	Images from Boulder County Latino History website; 1-Migrant Worker Field Tools http://teachbocolatinohistory.colorado.edu/item/onion-toppers/ 2-Emma Sauzo Thinning Beets-1942 http://teachbocolatinohistory.colorado.edu/primarysource/emma-suazo-thinning-beets/ 3- Martinez girls on a truck on a Sunday morning, Lafayette 1929 http://teachbocolatinohistory.colorado.edu/primarysource/martinez-girls-on-a-truck-on-a-sunday-morning-lafayette-1929/ 4- Men Topping Sugar Beets, 1900-1920 http://teachbocolatinohistory.colorado.edu/primarysource/men-topping-sugar-beets/ 5- Black Diamond Mine, Lafayette 1942 http://teachbocolatinohistory.colorado.edu/primarysource/black-diamond-mine-lafayette-1942/ 6- Eagle Mine, Lafayette and Weld County 1950 http://teachbocolatinohistory.colorado.edu/primarysource/eagle-mine-lafayette-and-weld-county-1950/



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7- Men in the Interior of the Vulcan Mine, Lafayette 1910?
<http://teachbocolatinohistory.colorado.edu/primarysource/men-in-the-interior-of-the-vulcan-mine-lafayette-1910/>

8- Simpson Mine, Lafayette-Erie 1900?
<http://teachbocolatinohistory.colorado.edu/primarysource/simpson-mine-lafayette-erie-1900/>

9- "Sixteen Tons" a coal miner's song, 1955
<http://teachbocolatinohistory.colorado.edu/primarysource/sixteen-tons-a-coal-miners-song/>

10- Images of lignite
https://www.google.com/search?q=lignite&source=lnms&tbm=isch&sa=X&ved=0ahUKEwjEyJS1mN3UAhXk6YMKHeWeASkQ_AUIBigB&biw=1266&bih=780&safe=active&ssui=on#imgrc=9voUpt-3nigiwM:

11- Images of coal mining tools
[https://www.google.com/search?q=kwl+chart&tbm=isch&imgil=rNg4jhvZ16LZLM%253A%252CBjiOv2Vsv6JTSM%252C &usq= 4RiF914ui-4MRrFnExlvLNVJR08%3D&biw=1266&bih=780&ved=0ahUKEwiB_9qxq93UAhWpz4MKHUvKAYUQyjciPA&ei=RPNRWYHNGamfjwTLII-oAg&safe=active&ssui=on#safe=active&tbm=isch&q=coal+mining+tool&imgrc=M71OgQzp_sKOFM:](https://www.google.com/search?q=kwl+chart&tbm=isch&imgil=rNg4jhvZ16LZLM%253A%253BBjiOv2Vsv6JTSM%253Bhttps%25253A%25252F%25252Fwww.teacherspayteachers.com%25252FProduct%25252FKWL-Chart-595724&source=iu&pf=m&fir=rNg4jhvZ16LZLM%253A%252CBjiOv2Vsv6JTSM%252C &usq= 4RiF914ui-4MRrFnExlvLNVJR08%3D&biw=1266&bih=780&ved=0ahUKEwiB_9qxq93UAhWpz4MKHUvKAYUQyjciPA&ei=RPNRWYHNGamfjwTLII-oAg&safe=active&ssui=on#safe=active&tbm=isch&q=coal+mining+tool&imgrc=M71OgQzp_sKOFM:)

Lesson Procedure

Since this lesson is designed for a preschool class, the teacher can begin the introduction for about 10 minutes. Then transition to recess and then return to continue with one of the activities 15-20 minutes and perhaps give another transition and then later complete the second activity 15-20 minutes. Ending with listening to the song and evaluation/assessment. Or can separate and only complete one activity one day and the second activity the next day. Can complete the entire lesson within 3 days.

Day 1-

- Begin the lesson by explaining to the students what they will be learning about, the history of Lafayette, in particular coal mining and farm work.

- OPTIONAL: Teacher will then create a KWL chart, students already Know, Want to learn, and what they Learned (will go back to this section at the end of lesson)



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-Teacher will show images to the students, listed under resources. Discuss with the students the images and questions/comments they might have

-Discuss keywords, (listed above) and connect them to the images. Can discuss the keywords in Spanish. Write the keywords on whiteboard and create a learning opportunity by sharing what sounds they hear.

-Allow children to participate in two hands on activities-

Day 2-

First activity:

-Teacher will have this prepared in advanced. Place the plastic fruits and vegetables in an area where there is dirt.

-This activity should take about 10-15 minutes, students might need to share materials for digging, in the meantime while children are waiting give them the farm images to discuss with peers.

-Give children plastic field work tools and describe and model the process of how to dig for the food. Teacher should place enough fruits and vegetables for all children to dig up 2 objects

-Have the students wash with water and soap and then place them in a basket.

5 minutes for discussion

-Explain to the children that people still do this type of work in order for us to get our fruits and vegetables. Ask for their thoughts or any connections they might have

Day 3-

Second activity: 10-15 minutes, again students will need to share materials so while waiting for a turn give them images to discuss with peers. During this activity, teacher can play the coal mining song (listed under resources)

-In advanced, create a small dark area like a closet or a tent and allow children to imagine a coal mine. Teacher will create plastic bins with dirt and rocks. Teacher will place larger rocks that will resemble the lignite that miners would search for (discuss lignite before activity and what it was used for and use image)

-Students will take turns using the flashlight helmets(teacher creates in advanced) and plastic coal mining tools

-All students will have a turn to search for lignite

5 minutes for discussion

-After everyone has found a piece of lignite, we will all takes turns and share what we did to find the pieces of lignite.

-Finally, students will share what they liked the most about each activity.

Perhaps teacher can create these activities as centers in the classroom for children to do more investigations on coal mining and farm work.



Evaluation/Assessment:

- Teacher will use the images that were printed out and the students will individually pick an image and describe what they see.
- Teacher can ask questions about the images.
- Students can share the image with a partner and teacher will observe discussions about what they learned.
- Students will describe images using keywords they learned during the lesson.
- Teachers can ask students about their experiences regarding the farm work and coal mining activities.
- Finally, complete the final section of What they learned on the KWL chart (OPTIONAL)

Field Trip opportunity:

- Visit the Lafayette Miners Museum located at 108 East Simpson Street, Lafayette CO 80026



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