

K–2 MULTI-GRADE BRIDGE
Detailed Daily Lesson Plan (DDLPL)
Theme Eight Daily Lesson Guide (DLG) – *Moving On*
Grade K Theme Book Three: *Iron Horses*/Yesterday
Character Building Concept: Appreciating Progress

Days 1 – 5 Signing In/Morning Activity

SIGNING IN, pp. 225 – 226 (DLG)

Standards: LA.1/2.W.7 Apply common conventions of manuscript writing (e.g., left-to-right, uppercase and lowercase letters, etc.)
LA.1/2.W.10 Write routinely for a range of tasks, purposes, and audiences

Students should already be grouped according to handwriting level (refer to the Signing In Rubric in Appendix C – Assessment Master 0.1).

This activity is designed for Kindergarten students. However, there may be 1st and 2nd graders who could also benefit. The students who are proficient at writing their first names could practice writing their first and last names when they sign in. Other Signing In options for a developing writer could include the following: writing a personal street address, birthday, city and state, or phone number. Students who have emerging handwriting skills should use one of the selected activities in the *Stepping Stones (DLG)* every day. Remember to assess student writing monthly to track handwriting progress. Additionally, formal, direct instruction in handwriting should be provided daily for grades K–2 as part of phonics and Language Arts.

**** The standards for the Signing In activity will be developed throughout the Kindergarten, 1st, and 2nd grade years. Kindergarten and 1st grade students are not expected to have these standards mastered by the end of the year. Mastery of these standards is anticipated by the end of 2nd grade. ****

Day 1 – Circle Time/Morning Meeting

APPRECIATING PROGRESS CONCEPT CONNECT

Concept Connect Activity (K–2)

Standards: LA.K/1.SL.4 Describe familiar people, places, things, and events and, with prompting, provide additional detail
SS.K-4.TCC.2 Define key concepts such as: past, present, future, similarity, difference, and change.

1. Gather students on the rug for a discussion on progress. *“What do I have here in my hand?”* (Hold up a cellphone for the class to see.) *“What are some things you can do with a cell phone?”* (Pause for answers.) *“Many years ago there were no cellphones. In fact, there were no phones at all. Can you imagine what life would be like without a cell phone? In fact, there was no*



technology anywhere! There were no computers, no iPads, no iPods, etc. Today we are going to travel back in time and experience what life was like in the past. There are some things we will need to get rid of if we are going to experience what school was like for children living in the past.”

2. Prompt students to collect all their “modern” supplies (mechanical pencils, tablets, erasers, pencil sharpeners, etc.). Gather students’ supplies in a large tub or basket and place them aside until noon. During the 1800s the only student supplies were chalkboards and chalk. Therefore, if students are to truly embrace this experience, only chalkboards and chalk should be used during the simulation. If these materials are not available, students may be left with basic supplies, such as a pencil, paper, and eraser.
3. After some time and before lunch begins, have students return to the rug to share their experience. *“What was it like to spend all morning living in the past?”* (Pause for answers.) *“Turn to your partner and share your experience.”* (Pause.) *“What were some problems you experienced this morning?”* (Pause for answers.) *“There has been so much progress in America since those days that now we don’t have those problems anymore. Who can name some things we have today that Americans didn’t have in the past?”* (Allow time for response.) *“There have been so many changes in our country since then. It has taken much teamwork, time, and many resources to invent all the wonderful machines and technology devices we use today. This week we are going to learn how to appreciate progress. We will also see how problem-solving took place in order to make progress. Who has heard the word progress before? What do you think it means?”* (Pause for answers.) *“Progress is when we move toward a goal or destination. Do you have any goals you are progressing toward?”* (Allow time for students’ responses.) *“We’re going to have a great time of fun this week as we learn to appreciate progress.”*

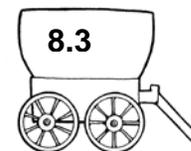
Days 1 – 5 Daily Oral Language

Grammar & Writing Mechanics

Think-Pair-Share (1st/2nd), Editing (1st/2nd)

Standards:	LA.1/2.L.1	Demonstrate command of the conventions of Standard English grammar and usage when writing
	LA.1/2.L.2	Demonstrate command of the conventions of Standard English capitalization, punctuation, and spelling
	LA.2.L.3	Use knowledge of language and its conventions when writing

1. This daily activity is designed for 1st and 2nd graders. First graders are formally introduced to DOLs in Theme 4. At any time in the year the teacher may also include some Kindergarten students who can read the sentences and might be ready for this type of activity.
2. The suggested sentences for group editing are found in Appendix D (DOL Master, Theme 8 – Book 3) for your convenience. These are designed to correlate with each unit theme and are intended as a teacher directed activity. An enlarged poster copy of the Common Editing Marks should be posted in the room for easy student reference. DOL Common Editing Marks are also listed for student reference in Appendix D only in the following: Theme 1 – Book 1, *This is Our House* and in Theme 4 – Book 1, *Winter’s Gift*.



3. Review with children some of the Common Editing Marks and basic DOL procedures (check for capitalization, ending punctuation, spelling, etc.).
4. Students will pair with classmates and discuss how to correct each sentence. Monitor student discussion by walking around the room and “listening in” to each discussion. Correct misunderstandings when necessary.
5. Call on student pairs to come to the board and correct the sentences. Review corrections as a class and decide if they should be accepted or corrected.

Day 1 – Language Arts

READING WORKSHOP, pp. 220 – 225 (DLG)

Before Reading-Discussion, p. 220 (DLG)

Background Knowledge (K-2)

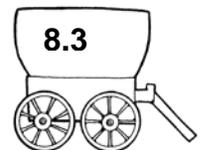
Standards:	LA.1.SL.3	Ask and answer questions about what a speaker says to gather additional information to clarify meaning
	LA.2.SL.3	Ask and answer questions about what a speaker says to clarify, gather additional information, or deepen understanding
	LA.1.RI.7	Use illustrations and details to describe key ideas
	LA.2.RI.7	Explain how specific illustrations contribute to and clarify text

1. Before teaching the lesson in the **DLG**, lead K-2 students in a discussion about the title of the book.
2. Before showing the book *Iron Horses* to students, ask them what they think iron horses are. Allow sufficient time for discussion and possible answers. Once several ideas have been shared, hold up the book and ask for more ideas. Guide students to the idea that “Iron Horses” refers to trains if they don’t think of that idea on their own.
3. The John Paul Getty Museum’s website has a brief article on why the new trains were called “Iron Horses”. Access it at the following link: http://www.getty.edu/education/kids_families/do_at_home/artscoops/iron_horses.html . Use this information to give students background knowledge for this term.
4. Continue teaching the lesson according to the **DLG**.

During Reading – First Time, p. 220 – 221 (DLG)

Vocabulary Introduction (1st/2nd)

Standards:	LA.1.L.3	Determine the meaning of unknown and multiple-meaning words and phrases
	LA.2.L.4	Determine the meaning of unknown and multiple-meaning words and phrases



1. Before teaching the lesson, copy and distribute Vocabulary (Activity Master 8.3.1) to 1st and 2nd grade students. *“This is a list of new vocabulary in our book, Iron Horses. Raise your hand if you recognize some of the words or pictures.”* (Pause.) *“This sheet is going to help us during our reading today. While I’m reading the story, you may look at your sheet to see a picture of what we’re reading about. Perhaps you can even find the picture on the book pages.”*
2. Teach the lesson according to the **DLG**.
3. While students are focused on a page, remember to mention the extended vocabulary words found in Vocabulary Master 8.3. Allow students to point to any images on the pages that are similar to the image on their activity master.
4. After reading the story, reiterate the key details from this morning’s **Circle Time/Morning Meeting**.
 - *“Before the railroad was built, it took people months to get from one side of the country to the other.”*
 - *“After the construction of the railroad, it only took a few hours. That’s progress!”*
 - *“When the congressmen had a problem, they devised a plan to solve it. They put that plan into action until their goal was achieved!”*
 - *“It took materials and workers who were willing to work as a team to create the railroad system.”*
5. Have a discussion to define the extended vocabulary (Vocabulary Master 8.3). Students should use context and picture clues to infer the meaning of each unknown word.

WRITING WORKSHOP

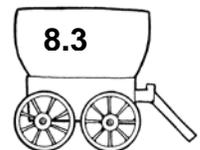
Poetry

Brainstorming (K–2)

Standard: LA.K-2.W.10 With support, write routinely for a range of tasks, purposes, and audiences

*** *Before class begins, write “Things We Notice About Poetry” on chart paper.* ***

1. *“Writers, we will spend this week writing poetry. Does anyone know what a poem is?”* (Pause to give students time to respond.) *“Did you notice that our book, Iron Horses, sounds a little different from other stories that we have read? That’s because it is a poem. The author, Verla Kay, used many rich descriptive phrases to paint a picture of her message rather than write it out as a story. Does that make it more interesting for you? Let’s explore some other poems.”*
2. Read a few other children’s poems. Make sure to read a variety of poems on a variety of topics. (Choose some short and long



and some with and without rhyme.) As you read the poems, guide students to notice aspects of poetry such as:

- Poems are shorter than stories.
 - Some poems have rhyming words, whereas others do not.
 - Some have patterns. (*Iron Horses* has a 4-3-4-3 pattern that will be discussed in Reading Workshop Day 2.)
 - Each line of poetry is short.
 - Poems are not written in complete sentences.
 - Some lines have spaces between them.
3. *“Writers of poetry are called **poets**. All of you will have an opportunity this week to try your hand at being a poet. It’s always easier to write about something that is important to you. It could be a special person, thing, or a special place you have visited. It could even be a memory of something. You also usually know a large amount of information about these things. So today you will brainstorm a list of things that are important to you. Before you begin filling out your brainstorming list, I want you to think of the first two things that you are going to write on your list.”*
 4. Have students turn and tell their partner two things they plan to write. Then distribute Important Things (Activity Master 8.3.2) and have students begin completing their grids. Kindergarteners may use kidwriting and illustrations to complete their grids.
 5. After independent work time, have students bring their completed brainstorming list to the rug. *“Writers, you have thought of many different things that are special to you. In one minute, you are going to share your list with your partner. You will put the paper in between you so that both of you can see it. You might start by saying something like, ‘Some things that are special to me are _____’. Then switch and let your partner share something from his/her list. Now turn to your partner and share.”*

*** Keep student brainstorming list in an accessible location as they will be used again in future Writing Workshop lessons this week. ***

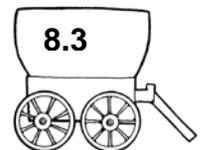
Day 1 – Science

Loud Noises, p. 254 (DLG)

Technology (K–2) Concept Nugget (K-2)

Standard: SS.K-4.STS.4 Illustrate how media and technology are a part of every aspect of our lives

*** Before class begins, prepare the “Amazing Resonance Experiment” video for viewing. ***



1. Before teaching the lesson according to the **DLG**, gather students on the rug for a special video clip. “Today we’re going to explore sounds and vibrations. Since America has made so much progress, we are able to use technology in order to see sound vibrations. Sound vibrations are cool! Did you know sound vibrations can create art? Let me show you how it is done.”
2. Play the “Amazing Resonance Experiment” on YouTube at the following link: <https://youtu.be/wvJAgUBF4w>.
3. Teach the lesson according to the **DLG**.

Day 1 – Social Studies

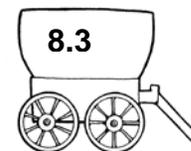
Voting, p. 257 (DLG)

Government Roles (K–2)

Standards:	SS.K-4.CIP.3	Describe civic participation, decision-making, voting, and cooperating to promote civic ideals.
	SS.K-4.STS.2	Cite examples of how society often turns to science and technology to solve problems.
	SS.K-4.PAG.9	Explain the ways in which governments meet the needs and wants of citizens.

*** Ensure that none of the ice cream options listed in this lesson include known allergens. ***

1. Teach the lesson according to the **DLG**.
2. Instead of ending the lesson by voting using secret ballot, deepen the experience of voting with the following activity. “*Voting allows everyone in a community, state, or country to have their voices heard. Since everyone is asked to participate in the vote, all citizens are able to make decisions on choices that matter to them. In our book, Iron Horses, the government decided that a transcontinental railroad was the best way to solve their transportation problem. Therefore, Congress took a vote and most of the congressmen said yes! Due to this secret ballot, all citizens were able to enjoy the railroad and travel quickly to their destinations. Since then, Congress has made many more votes that have changed our society. Think of all the different ways we can transport from place to place (car, helicopter, plane, space shuttle, etc.). Congress has also voted on many other decisions that have changed the way we live.*” (Discuss other things that students of this age can understand such as: standards for food and food preparation, cell phone use, and safety.) “*All these decisions were voted in order for our country to make progress. Today we are going to act like Congress and practice voting on something I’m sure most of us enjoy – Ice Cream!*”
3. Name many (more than 5) ice cream flavors the students might enjoy (cookies and cream, chocolate, cotton candy, vanilla, etc.). The students will give a “yay” or “nay” voice vote for each flavor that is orally shared. Write three or four “yay” choices on the board.
4. Then conduct a hand count to narrow the “yay” votes to two flavors. Erase the other options from the board. Allow students to give reasons why one flavor may be better than the other.



5. After students have had time to “debate” the final two flavors, pass out small ballots for students to secretly vote on their favorite ice cream flavor. Remind students that secret ballots are private and are not to be shared with others. Testing carrels may be used to create a “voting center” for this part of the lesson. Allow one student at a time to “cast their ballot” to simulate an actual voting experience at a polling center.
6. *Optional:* After the school day concludes, tally the votes and bring in the voted ice cream flavor, cups, spoons, and an ice cream scoop for the students to enjoy during a free period the following day.

Day 2 – Circle Time/Morning Meeting

Under Construction

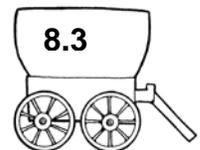
Concept Nugget, Problem Solving

Standards: S.K-2.PS.3
S.K-2.ET.1

Show how an object made of a small set of pieces can be disassembled and made into a new object
Ask questions, make observations, and gather information about a situation people want to change then define a simple problem that can be solved through the development of a new or improved object or tool

*** Before class begins, load “The Magic School Bus – Under Construction” video and write the Daily Message on chart paper (see below). ***

1. Students will watch “The Magic School Bus – Under Construction” to connect to the concept of appreciating progress. This video is found on YouTube free of charge at the following link: https://www.youtube.com/watch?v=ubPnq_-ytiM or can be purchased on Amazon Video for a reasonable price.
2. After the video, students will have the following discussion. *“Wow! Ms. Frizzle’s students had many obstacles to overcome as they looked for ways to exit the bathroom. I would like you to discuss with your partner some of the problems you noticed in the video and the ways in which the Ms. Frizzle’s class solved them.”*
3. After the students have had time to share, allow several students to respond aloud. *“It takes teamwork, time, and many resources to solve our problems. In today’s video Ms. Frizzle’s class had to work together in order to move toward their destination, getting to the window of the bathroom. They progressed through their problems and eventually reached their goal.”*
4. Bring the student’s attention to the daily message written on the chart paper. (The message should be written before class begins.)



Dear Class,

Do you like building? This week we will have opportunity to appreciate progress by building structures using gumdrops and toothpicks just like Ms. Frizzle's students. What a tasty activity! Can you think of other tasty treats we could use to build our structure?

I am so excited about learning to appreciate progress with you this week!

Your teacher

5. Allow the students time to answer the questions in the Daily Message.

Day 2 – Language Arts

READING WORKSHOP, pp. 220 – 225 (DLG)

During Reading – Time, p. 221 (DLG)

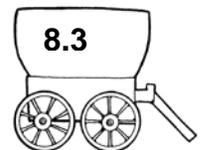
Inflectional Endings (1st/2nd), Rhyming Words (K–2), Vocabulary Reminder (1st/2nd)

Standards: LA.1.L.3 Identify frequently occurring root words and their inflectional forms (e.g., looks, looked, looking)
LA.2.RL.5 Describe how words and phrases (e.g., regular beats, alliteration, rhymes, repeated lines) supply rhythm

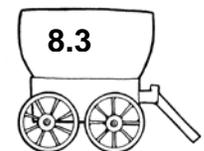
*** *Ensure there are word family activities and books in the classroom Reading Center for Kindergarten students. Suggested reading material is listed in the Extensions Materials List. ****

*** <http://www.hubbardscupboard.org/cvc> has free printable CVC word booklets. If the school does not have the resources to provide word family books or activities, this is an excellent resource for the Reading Center. These booklets should be copied and compiled before class for student use. Kindergarteners may read and color these booklets during today's lesson. ***

1. Teach the lesson according to the **DLG**.



2. When introducing the children to the vocabulary words on Blackline E, be sure to include the extended vocabulary words found on Vocabulary Master 8.3.
3. Continue teaching the lesson according to the **DLG**. After the lesson, send Kindergarten students to the classroom Reading Center to practice reading word family books and completing word family activities. CVC decodable word family books or printed booklets from www.hubbardscupboard.org/cvc may be used as a reading center resource. CVC word family center activities can also be purchased for center use.
4. Gather 1st and 2nd graders to the rug for a min lesson on inflectional endings and rhyme. *“In our story, Iron Horses, there were many action words. Who remembers what we call **action words**. (Pause for answers.) An action word is called a verb. Let’s look through Iron Horses and find the verbs.”*
5. Give students three or four sticky notes and tell them to write one verb on each note. Instruct students to post notes on chart paper. Model for students how to look through the text and find verbs. Most of the verbs in the book have the inflectional ending –ing. *“What do you notice about our list of verbs?”* (Allow students to respond.) *“Most of them end in ‘–ing.’ When a verb ends in –ing, that means the action is happening right now. Most of the time, we can take –ing off the end of the verb and be left with the base/root word.”* (Write a few examples that illustrate this concept on the board, i.e. huff/huffing, think/thinking, howl/howling, etc.) *“Let’s read through our list.”* (Pause.) *“Good job! Today you’re going to match base/root words with their inflectional endings.”*
6. Explain Inflectional Endings (Activity Masters 8.3.3a and 8.3.3b) to 1st grade students and send them to a quiet area to work on this assignment.
7. Keep 2nd graders at the rug for a mini lesson on rhythm and rhyme. *“I noticed while we were reading the list, that all of our words rhyme. Even some of the base/root words rhyme.”* (huff/puff, clang/bang) *“When books have rhyming words, there’s usually a rhythm present in the text. A rhythm is a pattern. Let’s look through our book again and see if we can find the rhythmic pattern in the story.”*
8. The book follows a 4-3-4-3 syllabic rhythm pattern. For example, the first page reads: pier-cing whi-stles, shrie-king wheels. Hot steam his-sing, high-pitched squeals. The first phrase has four syllables, the next phrase has three syllables and each sentence consists of seven total syllables. Clap the syllables in each stanza in order to demonstrate this rhythm for students. Discuss the rhythmic patterns found in the text:
 - *“Why do you think the author chose to write this book in short rhyming phrases?”*
 - *“How does the rhythm and rhyme add creativity and beauty to the text?”*
 - *“What are some other rhyming words that could have been included in our book?”*



9. Make a list of the rhyming words on chart paper as students give suggestions. Encourage students to think of verbs and add –ing to the end to make rhythmic rhymes. (i.e., Throw ing blow ing, danc ing round. Pick ing pla cing, tuck ered down.)
10. This list will be used later in the week during Writing Workshop.

WRITING WORKSHOP

Poetry

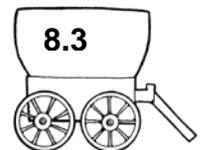
Descriptive Words, Drafting (K–2)

Standard: LA.K-2.W.10

With support write routinely for a range of tasks, purposes, and audiences

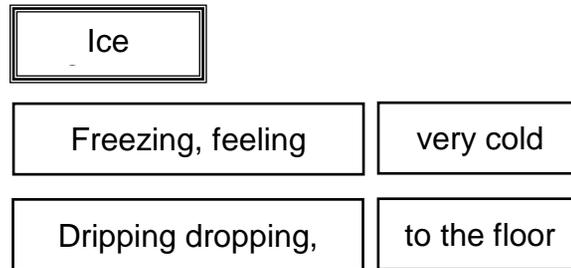
*** *Students will need their brainstorming lists (Activity Master 8.3.2) from yesterday’s activity.* ***

1. *Verla Kay, the author of our book, Iron Horses, is a poet. She wrote about the transcontinental railroad because it was important to her. All poets write poems about special places, special people, special animals, and special times in their lives. Yesterday you made a list of things that are special or important to you.*
2. Writers will use the brainstorming list today that was created during Day 1 – Writing Workshop. *“Writers, yesterday you thought of many ideas about things that you love and things that are special to you. Today I am going to show you how to take one of those ideas and turn it into a poem.”*
3. Take out the book *Iron Horses*. *“Sometimes poets write to describe a topic, just as our poet Verla Kay described the work on the transcontinental railroad. Today when you write, you will write a describing poem, too. I’m going to show you a fun way to make a describing poem.”*
4. Show Poetry Cards (Activity Master 8.3.4). *“These are cards that we will use to write describing words, phrases, or sentences. Today I think I’m going to write about ice cream. While I’m writing, I’m going to do my best to follow the 4-3-4-3 rhythmic pattern that Verla Kay uses in Iron Horses.”*
5. Write “Ice Cream” on the framed “Topic” card. *“One way I can describe ice cream is by saying that it is very cold. This is a phrase with 3 syllables.”* (Clap the syllables as you say the phrase for students – ‘Ve-ry cold’.) *“I can use this phrase in my poem because it matches the 4-3-4-3 syllabic pattern I want to create.”*
6. On one of the cards, write “very cold.” *“What other words and phrases can I use to describe ice cream, or what it is like to eat ice cream?”*
7. Have students come up with some ideas. Ideas that follow the 4-3-4-3 syllabic pattern should be written down on separate cards.



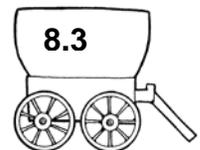
Encourage students to create longer phrases and sentences. After some of the cards have been filled, continue the lesson with the following instructions: *“Now I can take my cards and arrange them to make a poem. I’ll put them in an order that I think might sound good, and then I’ll read them aloud. I’ll change the cards around to make the poem sound the best that I can.”*

8. Model how to arrange the cards (in any order), read the poem aloud, and then rearrange the cards to make the poem sound even better. Here is an example of what your poem might be like when it’s finished:



9. Kindergarten students and emergent writers will need assistance in writing their word cards and may not completely understand the 4-3-4-3 syllabic pattern. They may be paired with proficient writers, or brought to the kidney table to generate a poem as a group. Before sending students to start their independent work, give the following instructions: *“Writers, today you are going to write your own descriptive poem. First, you should choose a topic. **Topic** is what is your poem is going to be about.”*
10. Distribute Important Things (Activity Master 8.3.2) from Day 1 – Writing Workshop. *“Turn and tell the person sitting next to you what you think you are going to write about today.”*
11. Have students turn and talk. Pass out Poetry Cards (Activity Master 8.3.4). Then ask for students’ attention again. *“Remember that you can use these line cards to write describing words and phrases about your topic. Put them in an order that sounds good just as we did together.”*
12. Challenge students, especially 2nd graders and proficient writers, to use the 4-3-4-3 syllabic rhyming pattern that Verla Kay uses in *Iron Horses*. Have students begin working with their line cards. Encourage students to read their poems aloud to themselves or a partner, and rearrange the cards to make them sound better. When each student is happy with his/her arranged poem, he/she will copy the cards onto grade appropriate lined paper.
13. During sharing time today, have students share their poems with their partners. Then have one or two students to share aloud with the entire class.

*** Keep students’ brainstorming lists in an accessible location as they will be used again in future Writing Workshop lessons this week. ***



Day 2 – Social Studies

Chinese Workers, p. 258 (DLG)

Information Recall (1st/2nd)

Standards:	SS.K-4.PDC.6	Explain how economic incentives affect people's behavior.
	SS.K-4.PDC.4	Investigate what people and communities gain and give up when they make a decision.
	SS.K-4.STS.7	Compare and contrast how science and technology can have positive and negative impacts
	SS.K-4.PPE.11	Compare and contrast benefits and problems resulting from the discovery and use of resources.

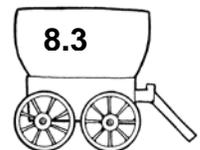
1. Teach the lesson according to the **DLG** for Kindergarten students.
2. During the lesson, use Chinese Workers (Activity Master 8.3.5) as a guide to outline important facts about Chinese Workers on chart paper.
3. After the lesson, lead students in a discussion summarizing what happened and why.
4. Kindergarten will complete Blackline 3.25.
5. First and 2nd graders will use the outline of facts to write short sentences to answer the questions on Chinese Workers (Activity Master 8.3.5).

Irish Workers, p. 259 (DLG)

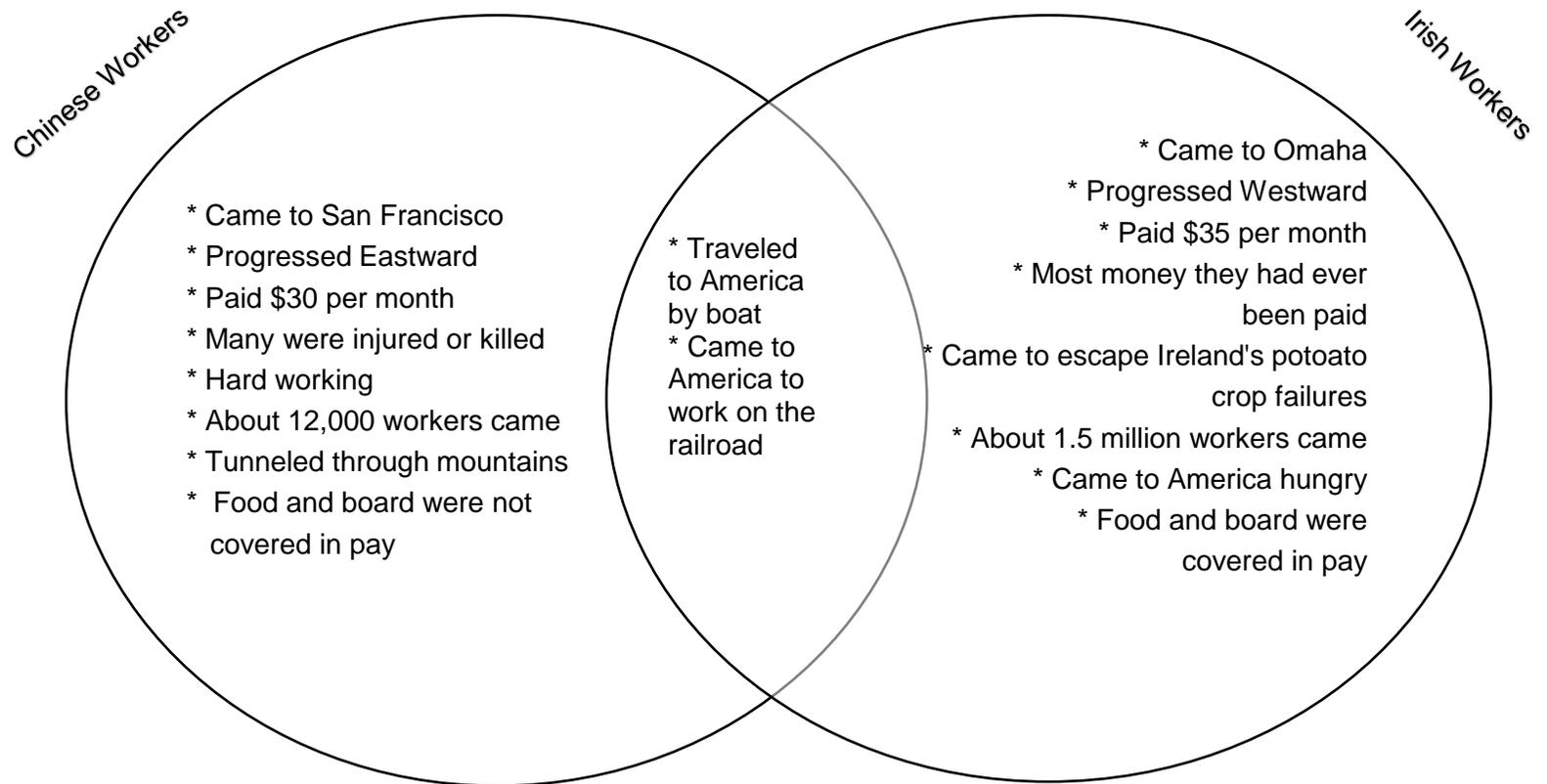
Information Recall (1st/2nd), Venn Diagram (K–2)

Standards:	SS.K-4.PDC.6	Explain how economic incentives affect people's behavior.
	SS.K-4.PDC.4	Investigate what people and communities gain and give up when they make a decision.
	SS.K-4.STS.7	Compare and contrast how science and technology can have positive and negative impacts

1. Teach the lesson according to the **DLG** for Kindergarten students.
2. During the lesson, use Irish Workers (Activity Master 8.3.6) as a guide to outline important facts about Irish Workers on chart paper.
3. After the lesson, lead students in a discussion summarizing what happened and why.
4. Kindergarten will complete Blackline 3.26.
5. First and 2nd graders will use the outline of facts to write short sentences to answer the questions about Irish Workers (Activity Master 8.3.6).



6. After students have completed their activity masters and colored their blacklines, lead them into a discussion to compare and contrast the Irish and Chinese workers.
7. Using the board or chart paper, draw a Venn Diagram to compare and contrast the workers. An example is provided below:

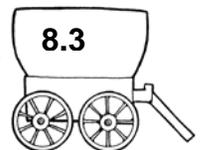


Day 3 – Circle Time/Morning Meeting

Gumdrop Structures

Concept Nugget (K-2)

DDL – *Moving On*
 July, 2020 (Revised)



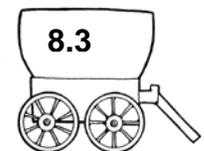
Standards: S.K-2.PS.3 Show how an object made of a small set of pieces can be disassembled and made into a new object
S.K-2.ET.1 Ask questions, make observations, and gather information about a situation people want to change then define a simple problem that can be solved through the development of a new or improved object or tool

*** Before class begins, load “The Magic School Bus – Under Construction” video (optional), and write the Daily Message on chart paper (see below). ***

*** Make an example of a gumdrop tower that can be used during today’s lesson. ***

*** Take photos of the class in all stages of creating their gumdrop structures in this activity. Pictures can be made into a collage and displayed during the Unit 4 Culminating Activity. ***

1. Optional – Begin playing “The Magic School Bus – Under Construction”. After the scene of the gumdrop structure has ended, pause the video for the following discussion: *“Today we’re going to practice making our own gumdrop structures to solve problems. Just as Ms. Frizzle’s students used their gumdrop structures to get across the toilet, and the railroad workers used their tools to connect the railway across the country, we will use our gumdrop structures to solve problems.”*
2. Organize the class into small groups of three to four students. Ensure that students understand that they should not eat the gumdrops during today’s lesson. A consequence may need to be enforced, depending on the behavioral dynamics of the class. Give each group about a cup of gumdrops and about 10 toothpicks. To begin, challenge the students to make a tower. Show the pre-made gumdrop tower. Discuss what students notice about the construction of the tower. Model for students how to use the toothpicks and gumdrops to make a strong base for their structures.
3. Once students have had time to make a structure, create challenges for the students to solve. *“Now that we understand how to build structures with our toothpicks, I have some problems that I would like your groups to solve. Before we begin solving problems, you’ll need to gently take your towers apart. Be careful not to destroy your toothpicks or gumdrops because then you won’t have tools to solve your next problem!”*
4. While the students are taking their towers apart, put one Lego Man into each of the containers. Give each group a container with a Lego Man inside (one container and one Lego Man per group). *“The Lego Man needs to get out of the container, but he’s too small. He can’t jump or climb out of the container because the walls are too high! Work with your group to create a ladder for your Lego Man to use to climb out of the container.”*
5. Encourage students to collaborate in finding ways to solve the problem. Remind groups that are having a difficult time making a decision, that a vote can be made to choose one solution.
6. After most groups have been able to construct their ladders, gather the students on the rug to discuss the activity.



- *“How did your group build the ladder that got the Lego Man out of the container?”*
 - *“Did you make a plan before you began building?”*
 - *“How did the goal of building a ladder help you make a plan?”*
 - *“Did your group experience any problems as you progressed toward your goal?”*
 - *“What did you notice about the gumdrops and toothpicks before and after the activity?”*
 - *“How did your structures change during the beginning, middle, and end of our lesson?”*
 - *“How was our gumdrop activity similar to the construction of the transcontinental railroad in Iron Horses?”*
6. There may be students in the class who have never built towers or ladders before. Lead students to appreciate the progress they made during today’s lesson. Help them to understand the concept that small pieces/tools can be used to create big things.
7. Bring the students’ attention to the daily message written on the chart paper. (The message should be written before class begins.)

Dear Class,

I hope you appreciate the progress we made in learning how to build our ladders to solve problems today! If you were not able to save your Lego Man, that’s okay! You are learning how to make progress toward your goal, and I know you will become a better builder each day. We will be building with our gumdrops and toothpicks again tomorrow.

Your teacher

Day 3 – Bible

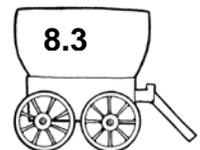
REVIEWING THE BIBLE STORY

Gumdrop Stars

Concept Nugget (K–2)

DDLP – *Moving On*
July, 2020 (Revised)

Book 3 – Iron Horses
Page 15



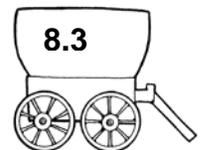
Standards: B.K.BF.14 Make connections between Bible stories and personal life experiences.
B.1-4.BF.14 Make connections between a Bible passage, personal experience and other reading/viewing selections.

*** Due to the length of this activity, "Star Pictures" in the **DLG** may need to be shortened by eliminating the toothpick star on Blackline 3.4. ***

*** Make a sample gumdrop star to be used for today's lesson. ***

*** Take photos of the class in all stages of creating their gumdrop stars in this activity. Pictures can be made into a collage and displayed during the Unit 4 Culminating Activity. ***

1. Organize the class into small groups of three or four students. *"You all have progressed so well in learning how to build structures this week. You've also learned so much about the transcontinental railroad system. You've watched structures being built; you've practiced building structures; you've even solved problems with your gumdrop structures! In what ways can we appreciate the progress we've made this week, not only in our building skills, but in learning all these new facts in our book Iron Horses as well?"*
2. Guide students to an understanding that there were many things they didn't know and couldn't do at the beginning of the week. However, now they can! *"I'm so glad you can appreciate the progress you have made. In our Bible story, Abraham was told he was going to have many children, but he had none at the time that God made that promise to him. Abraham had a goal to have a big family, but Sarah was so old and she didn't believe that she could have a baby at her age. Sometimes we have to appreciate progress, even when we don't see it. Abraham had faith that he would have a big family, even though he didn't see any progress toward his goal. Each time Abraham looked up at the stars, he was reminded of the promise God made to him that stary night." (Hold up the sample gumdrop star.) "Today we're going to build a star using our gumdrops and toothpicks. As you are progressing toward your goal to finish your gumdrop star, I want you to think about a goal that you have in your personal life. I want you to think about what you're doing to make progress toward your goal. Do you have faith that God will help you reach your goals, even if you don't see progress?"*
3. Give each group about a cup of gumdrops and 10 toothpicks. Model for students how to use the toothpicks and gumdrops to begin making their stars.
4. After students have had time to finish their stars, lead them into the following discussion:
 - *"Was it difficult to make progress toward your goal in this activity?"*
 - *"What personal goal did you think about as you made your gumdrop star?"*
 - *"How do you plan to have faith that God will help you progress toward your goals?"*



- *“In what way is the star a reminder that God will help us progress toward our goals?”*

Day 3 – Language Arts

READING WORKSHOP, pp. 220 – 225 (DLG)

Alphabet Cars, p. 224 (DLG)

Alphabetizing (2nd) Vocabulary Review (2nd)

Standard: LA.2.L.2 Demonstrate command of the conventions of English to consult reference materials (e.g., beginning dictionary)

*** *Before the lesson begins, make copies of Alphabet Cars (Activity Master 8.3.7a and 8.3.7b) on any color cardstock and laminate them.* ***

1. Teach the lesson according to the **DLG** for Kindergarteners and at risk 1st graders.
2. First graders who are on grade level may join 2nd graders for Alphabet Cars (Activity Master 8.3.7a and 8.3.7b) instead of Blacklines 3.9a – n. Students will connect the train cars to the engine in alphabetical order. Activity Master 8.3.7b requires students to alphabetize several words that begin with “b” and should be given to students who are ready for this challenge.
3. This activity may also be moved into the classroom Reading Center after today’s lesson.

WRITING WORKSHOP

Poetry

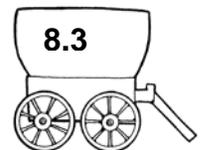
Descriptive Words, Drafting (K–2)

Standard: LA.K-2.W.10 With support write routinely for a range of tasks, purposes, and audiences

*** *You will need Hello Ocean by Pam Munoz Ryan for today’s lesson.* ***

*** *Bring popcorn, salt, butter, and a popper for today’s activity.* ***

1. Introduce this lesson by reading *Hello Ocean* by Pam Munoz Ryan. A YouTube of this book is available at the following link: <https://www.youtube.com/watch?v=qeftLWKrfL0>. *“What did the girl in the story mean when she said, ‘I’m here with the five of me again.’?”* (Guide students to notice that the ocean is being described using the five senses in this poem.)
2. *“Today I want to teach you another way to use descriptive words in your poems to paint a picture in the reader’s mind. One way to do that is to talk about the five senses. Can you name the five senses?”* (Write student answers on chart paper until all five are listed.)
3. *“As we make popcorn, begin thinking of what you see, hear and smell.”*



4. Pop the popcorn. Ask students to give rich descriptive words to tell what they saw, heard and smelled while the corn was popping.
5. Salt, butter the popcorn, and share with students to taste.
6. Conclude by writing students' "taste" and "feel" ideas on the chart.
7. *"Today you will pick a new idea for a poem from your brainstorming list (Activity Master 8.3.2). Then, you will think of five senses' words to describe your idea. You may not always be able to use all of the five senses, but use as many as you can. Right now, go to your seats, take out your brainstorming list, and choose an idea to write about today."* (Have students return to their seats and select an idea from their brainstorming list. Pass out the Five Senses (Activity Master 8.3.8), and help students to begin completing them.)
8. Once students complete the Five Senses (Activity Master 8.3.8), bring them together to model using the words from the activity master to write a poem. Model this by writing a poem about popcorn from the five senses' words students contributed for the popcorn activity.
9. Now students are ready to begin writing their own poems using their Five Senses Activity Master.

Day 3 – Social Studies

Diet from Home, pp. 259 – 260 (DLG)

Prevent Disease (K–2)

Standards:	SS.K-4.PPE.7	Explore cultural patterns and their interactions within and across places
	S.K-2.HS.2	Demonstrate ways to prevent communicable disease and reduce accidental injuries
	SS.K-4.C.3	Tell how cultural beliefs, behaviors, and values allow human groups to solve problems of daily living.

*** *Optional – Invite a local immunologist (a doctor or nurse will also suffice) to give a brief presentation on preventing communicable diseases.* ***

1. Teach the lesson according to the **DLG**, or gather students on the rug to listen to a presentation from a local immunologist.
2. After the lesson and/or immunologist presentation, create an anchor chart that details ways in which we can prevent communicable diseases. Below is a list of suggested questions in order to generate ideas for the anchor chart:
 - *"How can we prevent spreading germs?"*
 - *"What tools can we use to prevent the spread of germs?"*



- “How can we help each other to be germ free?”
3. The anchor chart may be displayed in the classroom Science Center or transcribed onto poster board paper and displayed in the school bathroom. (Permission may need to be granted for this option.)

Day 4 – Circle Time/Morning Meeting

Daily Message

Ask and Answer Questions (K–2), Grammar Usage (K–2)

Standards: LA.K-2.SL.3 Ask and answer questions to seek help, get information, or clarify meaning
LA.K-2.L.2 Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling

*** Before class begins, write the Daily Message on chart paper (see below). Do not use the Daily Message written in the **DLG**. Allow students time to correct the capitalization, punctuation, and misspelled words in the Daily Message before prompting students to ask and answer the questions. ***

Dear Class,

We have progressed through this week, and you’ve learned so much about building structures and the transcontinental railroad. Does anyone have any questions about the things we’ve learned so far? Raise your hand, if you have a question. We’re going to work together to help answer it for you.

Your teacher

Day 4 – Language Arts

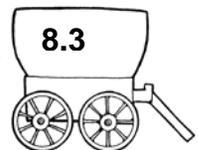
READING WORKSHOP, pp. 220 – 225 (DLG)

Color Words, pp. 222 – 223 (DLG)

Synonyms (2nd)

DDL – *Moving On*
July, 2020 (Revised)

Book 3 – Iron Horses
Page 19



Standard: LA.2.L.5 Distinguish shades of meaning among related adjectives (e.g., thin, slender, skinny)

1. Teach the lesson according to the **DLG** for K/1st graders.
2. Extend for 2nd graders by providing them with My List of Color Words (Activity Master 8.3.9) instead of Blacklines 3.8a – b. Second grade students may use the Thesaurus to write synonyms for each color word.
3. Students may work together to complete this activity.

WRITING WORKSHOP

Poetry

Revising (K–2)

Standard: LA.K.W.5	With support and collaboration with peers, explore a variety of tools to produce and publish writing
LA.1.W.5	With support, focus on a topic, respond to questions and suggestions from peers and add details to strengthen writing
LA.2.W.5	With adult and peer support, focus on a topic and strengthen writing as needed by revising and editing
LA.K-2.W.10	With support write routinely for a range of tasks, purposes, and audiences
LA.K/1.L.5	Use words and phrases acquired through conversations, reading and being read to, and responding to texts
LA.2.L.5	Demonstrate understanding of word relationships and nuances in word meanings

1. *“Writers, today you will complete your poem and then confer with a partner to make sure your work is the best it can be. You will use this Writing a Poem Checklist (Activity Master 8.3.10).” (Model revising your Popcorn poem and request a volunteer to come towards the teacher and go through the checklist with the instructor.) “Remember once one poem has been revised, switch with your partner and revise the other poem.”*
2. As students finish their poems, pair them with a partner for conference. Students will use the Writing a Poem Checklist (Activity Master 8.3.10) while they confer.
3. Have students save their poems for tomorrow’s editing activity.

Day 4 – Science

Force and Motion 2, p. 255 (DLG)

Scientific Inquiry (2nd)

Standard: S.K-2.PS.6 Analyze data to as intended to change the speed or direction of an object with a push or a pull

1. Teach the lesson according to the **DLG** until the releasing of the train.



2. Before inviting a volunteer to release a train down the ramp, distribute Force and Motion (Activity Master 8.3.11) to 2nd graders. Ask 2nd graders to write a hypothesis that answers the question on the activity master.
3. Continue teaching the lesson according to the **DLG**. Be sure that 2nd graders are drawing pictures to track their data as the experiment progresses.
4. After the lesson, 2nd graders should write a one sentence conclusion on their activity master.

Day 4 – Social Studies

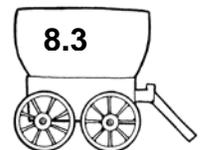
Transportation, p. 261 (DLG)

Historical Progression (1st/2nd), Concept Nugget (K–2)

Standards: SS.K-4.TCC.10 Show that historical events occurred in times that differed from our own
 SS.K-4.GC.6 Evaluate how the pace of global change has quickened in recent times.

*** Optional: Before class begins, load the “Here to There: An Animated History of Transportation” video, or purchase the book, On the Go, by Anne Morris. (There is also a read-aloud for this book on YouTube). ***

1. Teach the lesson according to the **DLG**.
2. If there is still access to the transportation timeline, Unit 6: Theme Book 1 – *The True Story of Balto*, it may be referred to in this lesson.
3. *Optional* – Gather students on the rug to watch a short video clip on progressive transportation, “Here to There: An Animated History of Transportation”, at the following link: <https://www.youtube.com/watch?v=FaLCQo8NJFA> . You may choose to read aloud the story, On the Go, by Anne Morris. After the video or book, lead the students into the following discussion:
 - “How has transportation progressed through the years?” (Make a list of the various modes of modern transportation.)
 - “How has transportation helped our country grow?”
 - “What problems would we have if transportation had not progressed?”
 - “Why is it important to create solutions to problems?”
 - “In what new ways do you appreciate progress after watching the video clip and reading the book?”



4. After the discussion, place students into small groups (2-3 students per group). Each group will work collaboratively to create a flipbook using Transportation (Activity Masters 8.3.12a – f). Students will write chronological information about the mode of transportation under the flaps of their books. Kindergarten students may also participate in this activity, or they may be dismissed to the classroom Social Studies Center.
5. *“Today we’re going to make our own miniature timeline flipbooks about transportation. You’re going to work with your group to color, cut, fold, and write information into your flipbooks using **chronological transition words**. Chronological transitions words tell us when things happened. Some examples are first, next, then and last.”*
6. Choose one of the Transportation Activity Masters in this lesson (8.3.12a – f) to demonstrate to students how they will cut, fold, write, and color onto their flipbooks. Each student in the group should have their own copy of one of the activity masters to complete. After the group finishes their sheets, they should be combined to make one flipbook. If Kindergarten students are elected to participate in this activity, they may color, cut, and fold their activity masters. Kidwriting may be used for their chronological sentences. Second graders should be encouraged to write more details on their flipbook pages (e.g., Then the helicopter was invented in 1939. It could carry more people than the hot air balloon, and it went much faster!)
7. Place completed flipbooks in a center so students can reread them.

Day 5 – Language Arts

READING WORKSHOP, pp. 220 – 225 (DLG)

Sequencing, pp. 224 – 225 (DLG)

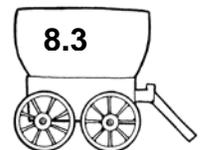
Summarizing (K–2), Concept Nugget (K–2)

Standard: LA.K-2.RL.3 With prompting, identify characters, settings, and major events in a story; sequence story events using pictures

*** Before class begins, copy, cut, and laminate (optional) “Sequencing” (Activity Master 8.3.13) onto cardstock paper. ***

*** Before class begins, write the phrases on pp. 224 – 225 in the **DLG** on sentence strips in the following colors: phrases 1-3 green, phrases 4-8 blue, and phrases 9 and 10 red. Mark these phrases in the book with small sticky notes for ease in conducting this lesson. **

1. Distribute sentence strips to students. If there are more students than sentence strips, give strips to pairs of students and give them the following instructions:
 - *“Today we will read Iron Horses one last time. I have given you sentence strips. Each strip has some part of the story.”*



- *“When I get to your sentence strip in the story, come and place your sentence strip in the next position on the floor.”*
 - *“When we are done, we will have a summary of the story.”*
2. While the teacher is reading the story, students should come and place their sentence strips on the floor from left to right. Pause if someone misses their cue to come to the activity area. Help them, if necessary. Once you are finished, the parts will be in sequence. The beginning of the story phrases will be green, middle will be blue and the end will be red. Engage students in the following discussion:
- *“Do you notice that our sentence strips are grouped by color? That’s because our story has a beginning, a middle and an end. We can summarize our beginning, middle, and end with these statements.”* (Place the laminated cards in random order in a place where all students can see them.)
 - *“Two of these statements summarize the beginning of the story. Raise your hand if you think you can find one of these summary statements.”* (Have the student come up and place the chosen card with the phrases in green. Give corrective feedback if the student has incorrectly identified a summary statement.)
 - Continue with the remaining cards until all cards are placed.
 - Beginning summary statements: ” First, they had an idea. Then they made a plan to progress toward a goal.”
 - Middle summary statements: “Next, they began to work and progress toward their goal. It was hard work and they needed many workers.”
 - Ending summary statement: “Finally, the railroad was complete!”
3. End the lesson with a discussion on the concept of appreciating progress. *“Now that we have summarized our story, let’s share ways in which the railroad workers progressed.”*
- *“In what ways did they appreciate their progress?”*
 - *“How can we appreciate the progress that the railroad workers made?”*
 - *“How did the story change from the beginning to the end?”*

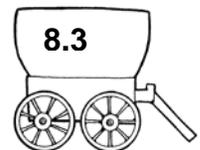
WRITING WORKSHOP

Poetry

Editing (K–2)

DDLP – *Moving On*
 July, 2020 (Revised)

Book 3 – Iron Horses
 Page 23



Standards: LA.K-2.L.2 Demonstrate command of the conventions of standard English capitalization, punctuation and spelling
LA.K-2.W.6 With support and collaboration with peers, use a variety of tools to produce and publish writing
LA.K-2.W.10 With support write routinely for a range of tasks, purposes, and audiences

1. Students will confer with a partner again today using Writing a Poem Checklist (Activity Master 8.3.10) to edit their poems.
2. Use the remaining Writing Workshop time for students to read their poems with the group and celebrate their success as poets.

Day 5 – Social Studies

Cowcatcher Ride, p. 260 (DLG)

Understanding Authority (K–2)

Standard: SS.K-4.PAG.4 Give examples of people who have the authority to make and enforce rules

1. Teach the lesson according to the **DLG**.
2. Gather students on the rug for a discussion on authority and rule enforcement.
 - *“Why was Agnes MacDonald permitted to ride on the cowcatcher?”*
 - *“Do you think anyone else was allowed to ride on the cowcatcher?”*
 - *“Was it fair to allow Agnes MacDonald to ride on the cowcatcher? Why or why not?”*
 - *“Do you ever get special permission to do something you enjoy, even though it breaks a rule?”*
3. Lead students into an understanding that people of authority have the right to make and enforce rules. *“Sometimes people in authority allow those they love to have special privileges.”* (Share a personal story, if applicable). *“Your parents have authority over you to make and enforce rules until you become an adult. What are some rules you have in your home?”* (Pause for answers.) *“Sometimes your parents may allow you to break one of their rules in order to do something you enjoy, such as eating dessert before your vegetables, or allowing you to stay up late on special nights. When you grow older, you will be able to choose who has authority over you to make and enforce rules. This person of authority at your job will be your boss. The person of authority in your town, state and country will be the mayor, governor, and the president. Who remembers how community leaders are chosen?”* (Allow students time to respond.) *“One day you will choose your community leaders by voting. It is important to vote for those who will make and enforce rules in your community.”*

