

# Living Lessons Transcription: Second Grade Hero Stories with Mellie: Lesson Five

## Summary

This document contains the transcription of a lesson aimed at second-grade students, focusing on hero stories, specifically about John Muir and Rachel Carson. The lesson includes interactive activities, poetry, and discussions about nature and writing.

## Lesson Structure

### Introduction

- The lesson begins with a warm welcome to the students and a brief introduction to the theme of the day.
- Students are encouraged to stand tall and engage in a poem about the sun's warmth and its nurturing role in nature.

### Activities

#### 1. **Movement and Poetry:**

- Students participate in a physical activity while reciting a poem titled "Brave and True," emphasizing bravery and doing good deeds.

#### 2. **Discussion on John Muir:**

- The lesson transitions to discussing John Muir, a naturalist known for his love of nature and exploration.

- Key points include:
  - Muir's childhood experiences with nature.
  - His significant contributions, such as exploring Yosemite Valley and founding the Sierra Club to protect natural spaces.
  - His legacy as a writer and advocate for conservation.

#### 3. **Spelling and Reading:**

- The lesson includes a focus on spelling patterns, particularly the "IGH" sound, with examples and interactive reading of sentences.

#### 4. **Introduction to Rachel Carson:**

- The lesson shifts to Rachel Carson, highlighting her early life, education, and her impactful writing career.
- Key points include:
  - Carson's love for nature and writing from a young age.
  - Her influential book "Silent Spring," which raised awareness about environmental issues and led to significant changes in pesticide policies.

## Conclusion

- The lesson encourages students to reflect on the stories of Muir and Carson, emphasizing the importance of nature and writing.
- Students are invited to write their own stories or reflections about what they learned, fostering creativity and personal expression.
- The lesson ends with a closing poem about the earth and the sun, reinforcing the themes of strength and love for nature.

## Key Themes

- **Nature and Conservation:** The importance of protecting the environment and understanding our connection to nature.
- **Writing and Storytelling:** Encouraging students to express themselves through writing, inspired by the lives of Muir and Carson.
- **Bravery and Advocacy:** Highlighting the courage of individuals who stand up for what is right and advocate for the natural world.

This lesson aims to inspire young students to appreciate nature, understand the significance of conservation, and express their thoughts and feelings through writing.

1

00:00:03.640 --> 00:00:05.070  
Hello, 2nd grade.

2

00:00:05.220 --> 00:00:09.630  
Welcome to your 5th lesson with Earth Schooling.

3

00:00:10.580 --> 00:00:13.670  
Let's stand up straight and strong.

4

00:00:14.340 --> 00:00:18.450  
Bringing the warmth of the sun.

5

00:00:19.420 --> 00:00:25.310  
The golden sun, so great and bright,  
warms the earth with all its might.

6

00:00:25.860 --> 00:00:31.530  
It makes the dark earth green and fair,  
attends each thing with loving care.

7

00:00:31.540 --> 00:00:40.570  
It shines on blossoms, stone and tree, on  
birds and beasts, and you and me.

8

00:00:41.420 --> 00:00:43.290  
Good day, 2nd grade.

9

00:00:44.480 --> 00:00:47.510  
Alright, let's start with Brave and True.

10

00:00:48.080 --> 00:00:49.770  
I'm going to walk forward and backwards.

11  
00:00:49.920 --> 00:00:51.090  
You can walk in a circle.

12  
00:00:52.000 --> 00:00:53.070  
You can stand in place.

13  
00:00:53.140 --> 00:00:55.210  
You can go backwards the whole time.

14  
00:00:55.860 --> 00:00:57.350  
I'll let you decide.

15  
00:00:58.360 --> 00:01:02.490  
Brave and True, I will be.

16  
00:01:03.320 --> 00:01:06.850  
Each good deed sets me free.

17  
00:01:07.520 --> 00:01:11.270  
Each right thought makes me strong.

18  
00:01:11.960 --> 00:01:15.610  
I will fight for the right.

19  
00:01:16.040 --> 00:01:20.070  
I will conquer the wrong.

20  
00:01:22.040 --> 00:01:22.390  
Excellent.

21  
00:01:23.600 --> 00:01:24.370  
Let's get on our horse.

22  
00:01:28.250 --> 00:01:32.840  
I ride on my horse with my sword in my hand.

23  
00:01:33.310 --> 00:01:36.740  
I ride through the wooded and mountainous land.

24  
00:01:37.290 --> 00:01:40.580  
I battle with dragons, with giants I fight.

25  
00:01:41.090 --> 00:01:44.380  
Defending the weak and upholding the right.

26  
00:01:45.110 --> 00:01:48.380  
My sword is of iron, my helmet of gold.

27  
00:01:48.970 --> 00:01:52.580  
I dare all adventures, my heart is so bold.

28  
00:01:53.210 --> 00:01:56.700  
My armor is shining as bright as a light.

29  
00:01:56.710 --> 00:02:01.540  
For I am a gallant and glorious knight.

30  
00:02:03.780 --> 00:02:04.990  
Great work.

31  
00:02:09.880 --> 00:02:15.530  
Last class, we heard the story of John

32

00:02:15.540 --> 00:02:24.230  
Muir, who was a naturalist, somebody  
who  
loved and studied nature, spent time in

33  
00:02:24.240 --> 00:02:30.110  
nature, learning about the trees, and the  
flowers, and the animals.

34  
00:02:31.500 --> 00:02:36.070  
And there's something that he  
remembered  
from when he was a little boy.

35  
00:02:36.240 --> 00:02:39.170  
Do you remember what he loved to do  
when  
he was a little boy?

36  
00:02:41.870 --> 00:02:47.660  
He loved to climb up the trees and peek  
in at the birds' nests and see the eggs

37  
00:02:47.670 --> 00:02:49.020  
and see when they hatched.

38  
00:02:50.450 --> 00:02:52.520  
And he also loved to go on long walks

39  
00:02:52.530 --> 00:02:58.140  
with his grandpa and go along the  
coastline looking for sea life and shells.

40  
00:02:58.930 --> 00:03:01.800  
And he grew up on a farm, so he had lots  
of space to roam.

41  
00:03:01.810 --> 00:03:03.180  
And be in nature.

42  
00:03:05.010 --> 00:03:08.420  
And then when he was 11, he moved to

43  
00:03:08.430 --> 00:03:13.740  
America, where they had a farm, and he  
continued to go to school and then spend

44  
00:03:13.750 --> 00:03:15.240  
time outside.

45  
00:03:16.790 --> 00:03:18.500  
And there's something that he did that

46  
00:03:18.510 --> 00:03:22.940  
he's famous for, well, there's a lot of  
things he's famous for, but he did a walk

47  
00:03:22.950 --> 00:03:26.400  
once that was, do you remember how  
many miles?

48  
00:03:29.010 --> 00:03:32.080  
1,000, he walked 1,000 miles.

49  
00:03:32.230 --> 00:03:36.680  
So next time you're on a journey with  
your parents in the car or somebody, you

50  
00:03:36.690 --> 00:03:39.540

can say, how many miles have we been driving?

51

00:03:40.050 --> 00:03:41.120

You can get a sense.

52

00:03:41.470 --> 00:03:47.240

He went from pretty much the top of the country to the bottom, from north to south.

53

00:03:47.630 --> 00:03:52.320

And he wrote a book that people still treasure and read today, all about his

54

00:03:52.330 --> 00:03:53.780

adventures in the back country.

55

00:03:53.790 --> 00:03:55.960

He wanted to stay away from the cities,

56

00:03:56.150 --> 00:03:58.600

and he loved being out in nature.

57

00:04:00.010 --> 00:04:02.080

And then he moved out west, and he

58

00:04:02.090 --> 00:04:08.340

married, and he worked on his wife's family's orchard of apple trees.

59

00:04:08.770 --> 00:04:14.420

But he spent a lot of time, whenever he was free, roaming Yosemite Valley.

60

00:04:15.710 --> 00:04:21.280

And he knew so much about the valley that

people would come to him and ask him to

61

00:04:21.290 --> 00:04:24.360

take them in the back country as their guide.

62

00:04:26.620 --> 00:04:31.150

And soon after, he formed the Sierra

63

00:04:31.160 --> 00:04:34.510

Club, which is still functioning today.

64

00:04:35.620 --> 00:04:37.290

And they helped do what?

65

00:04:39.330 --> 00:04:45.220

Protect acreage, protect the pristine land that hadn't been developed in

66

00:04:45.230 --> 00:04:46.300

Yosemite Valley.

67

00:04:47.210 --> 00:04:49.140

And he continued to write.

68

00:04:49.150 --> 00:04:54.080

He always was reading poems, Scottish poets that wrote about nature.

69

00:04:55.110 --> 00:04:59.440

And he began to write even more in his

old age.

70  
00:05:00.450 --> 00:05:04.100  
And so we can thank John Muir.

71  
00:05:05.800 --> 00:05:07.840  
When we go into a beautiful part of

72  
00:05:07.850 --> 00:05:16.550  
nature that's been protected, some call  
him the father of the national parks, or

73  
00:05:16.560 --> 00:05:18.070  
son of the wilderness.

74  
00:05:18.080 --> 00:05:20.470  
So it seems so far that most of the

75  
00:05:20.480 --> 00:05:25.250  
people we've learned about have people  
give them nicknames, which is fun.

76  
00:05:25.360 --> 00:05:27.030  
So you can think about your nickname.

77  
00:05:27.960 --> 00:05:30.070  
Lover of, I love flowers.

78  
00:05:30.340 --> 00:05:35.910  
I could be smeller of roses or lover of  
flowers.

79  
00:05:37.640 --> 00:05:39.270  
We have eight caterpillars.

80  
00:05:39.800 --> 00:05:40.470  
Well, four have left.

81  
00:05:40.640 --> 00:05:43.290  
We had dill and parsley in a pot on our

82  
00:05:43.300 --> 00:05:43.950  
back porch.

83  
00:05:44.720 --> 00:05:47.350  
And a butterfly must have flown and left

84  
00:05:47.360 --> 00:05:47.970  
her eggs.

85  
00:05:48.040 --> 00:05:49.410  
And we had eight caterpillars and we got

86  
00:05:49.420 --> 00:05:50.230  
to watch them.

87  
00:05:50.600 --> 00:05:52.770  
We're hoping to see them make their  
cocoon.

88  
00:05:52.980 --> 00:05:55.630  
So we could be watchers of caterpillars.

89  
00:05:56.980 --> 00:05:59.530  
So now we're going to do our writing.

90  
00:06:00.020 --> 00:06:05.410

And you might have your red book or your whatever color it is book where you wrote

00:07:32.610 --> 00:07:34.880  
think it's bright enough for you to see.

91  
00:06:05.420 --> 00:06:08.310  
some sentences about John.

102  
00:07:34.890 --> 00:07:37.700  
So I'm going to use a darker color.

92  
00:06:09.500 --> 00:06:14.190  
And with my green, I'm going to start

103  
00:07:40.520 --> 00:07:41.190  
That would be better.

93  
00:06:14.200 --> 00:06:15.570  
making my lines.

104  
00:07:42.540 --> 00:07:46.310  
So what I have written is we're talking

94  
00:06:18.000 --> 00:06:20.790  
I thought green would be a nice color for

105  
00:07:46.320 --> 00:07:47.850  
about John Muir.

95  
00:06:20.800 --> 00:06:24.670  
him, kind of pine green.

106  
00:07:47.960 --> 00:07:48.890  
So we'll write his name.

96  
00:06:39.150 --> 00:06:41.000  
I'm curious what you love in nature.

107  
00:07:48.960 --> 00:07:49.530  
That's who.

97  
00:06:51.600 --> 00:06:52.950  
Okay, we'll do our measuring.

108  
00:07:51.300 --> 00:07:55.030  
And what did he, something that he did.

98  
00:06:54.060 --> 00:06:56.870  
Papa bear, baby bear, straight as an

109  
00:07:55.640 --> 00:07:57.970  
I wrote that he loved nature.

99  
00:06:56.880 --> 00:06:57.670  
arrow across.

110  
00:07:58.980 --> 00:08:00.070  
So we'll start with that.

100  
00:07:31.330 --> 00:07:32.600  
I was going to use this, but I don't

111  
00:08:00.320 --> 00:08:03.690  
John, that's his first name.

101

112

00:08:03.700 --> 00:08:15.830

He loved nature.

113

00:08:34.920 --> 00:08:37.210

And he was an explorer.

114

00:08:37.420 --> 00:08:39.350

He went into areas to explore them.

115

00:08:39.880 --> 00:08:44.830

So I'm going to write, he explored  
Yosemite Valley.

116

00:09:13.120 --> 00:09:48.280

And started the Sierra Club

.

117

00:09:48.290 --> 00:09:51.340

They helped, what did the Sierra Club do?

118

00:09:51.350 --> 00:09:56.560

They helped protect the forest.

119

00:09:58.110 --> 00:09:58.660

They.

120

00:09:58.670 --> 00:10:32.430

T -H -E -Y.

121

00:10:32.440 --> 00:10:33.930

And I'm going to write one more.

122

00:10:33.940 --> 00:10:35.490

We have three sentences.

123

00:10:35.500 --> 00:10:36.950

We have one.

124

00:10:36.960 --> 00:10:40.250

This is the sentence of the period at the  
end.

125

00:10:40.480 --> 00:10:40.930

Two, three.

126

00:10:40.940 --> 00:10:44.710

I'm going to write one more.

127

00:10:44.720 --> 00:10:48.370

He wrote stories about his adventures.

128

00:10:48.380 --> 00:10:49.630

I think that's important.

129

00:10:49.640 --> 00:11:31.840

People still read his stories today.

130

00:11:31.850 --> 00:11:33.800

The fun thing about writing is you can,

131

00:11:33.810 --> 00:11:36.500

there's so many things we could say  
about

John Muir.

132

00:11:36.510 --> 00:11:43.780

We could talk about his childhood, his  
family, him growing up on a farm.

133  
00:11:43.790 --> 00:11:52.060  
So now we have John in our book.

134  
00:11:52.070 --> 00:11:53.600  
We can let that rest and we're going to

135  
00:11:53.610 --> 00:12:02.680  
go look at our new spelling pattern that  
we learned last class.

136  
00:12:02.690 --> 00:12:05.340  
So let's read this.

137  
00:12:05.350 --> 00:12:16.960  
I'm going to let you have a look at it.

138  
00:12:16.970 --> 00:12:19.740  
Now we can read it together.

139  
00:12:19.750 --> 00:12:23.880  
At night, bats fly.

140  
00:12:23.890 --> 00:12:27.920  
The mighty owls cry.

141  
00:12:27.930 --> 00:12:31.200  
The moon shines bright.

142  
00:12:31.210 --> 00:12:35.000  
So high in the sky.

143  
00:12:35.010 --> 00:12:37.500

I bet you hear a lot of.

144  
00:12:37.510 --> 00:12:40.820  
I'm going to emphasize it.

145  
00:12:40.830 --> 00:12:44.660  
At night, bats fly.

146  
00:12:44.670 --> 00:12:48.360  
The mighty owls cry.

147  
00:12:48.370 --> 00:12:51.800  
The moon shines bright.

148  
00:12:51.810 --> 00:12:56.200  
So high in the sky.

149  
00:12:56.210 --> 00:12:58.660  
Lots of eyes.

150  
00:12:58.670 --> 00:13:06.400  
But instead of, we have, we can have our  
I with a magic E at the end.

151  
00:13:06.410 --> 00:13:10.540  
As in kite, where the I is saying its name.

152  
00:13:10.550 --> 00:13:14.520  
But we learned last class that there's

153  
00:13:14.530 --> 00:13:21.180  
another way to write some letters  
together that says I.

154  
00:13:21.190 --> 00:13:23.740  
So at night.

155  
00:13:23.750 --> 00:13:27.380  
So it's the IGH together.

156  
00:13:27.390 --> 00:13:30.400  
The G and H are quiet.

157  
00:13:30.410 --> 00:13:37.400  
At night, bats fly.

158  
00:13:37.410 --> 00:13:39.600  
Here's the other one.

159  
00:13:39.610 --> 00:13:41.060  
I'll do it in a different color.

160  
00:13:41.070 --> 00:13:43.000  
I'll put purple over it.

161  
00:13:43.010 --> 00:13:51.080  
The Y at the end is saying I.

162  
00:13:51.090 --> 00:13:59.200  
The mighty owls cry.

163  
00:13:59.210 --> 00:14:00.300  
The moon.

164  
00:14:00.310 --> 00:14:04.900  
I'm just going to circle this because  
we're going to look at this soon.

165  
00:14:04.910 --> 00:14:08.800  
The moon shines.

166  
00:14:08.810 --> 00:14:16.050  
We have a magic E here making it say I.

167  
00:14:19.020 --> 00:14:19.730  
Bright.

168  
00:14:19.740 --> 00:14:29.370  
So high in the sky.

169  
00:14:29.380 --> 00:14:30.570  
So there's a lot of I's.

170  
00:14:30.580 --> 00:14:32.430  
Let's say it again together.

171  
00:14:32.440 --> 00:14:37.530  
At night, bats fly.

172  
00:14:37.540 --> 00:14:40.830  
The mighty owls cry.

173  
00:14:40.840 --> 00:14:43.910  
The moon shines bright.

174  
00:14:43.920 --> 00:14:48.790  
So high in the sky.

175  
00:14:49.920 --> 00:14:50.470  
Excellent.

176

00:14:50.480 --> 00:14:52.330

Lots of IGHs.

177

00:14:52.340 --> 00:14:57.670

So now you can take out your red book.

178

00:14:57.680 --> 00:14:58.610

I'm going to call it your red book.

179

00:14:58.620 --> 00:15:01.050

It could be any color if that's just easy for me.

180

00:15:01.060 --> 00:15:08.690

So when I say red book, just know I'm talking about your writing book. Your

181

00:15:08.700 --> 00:15:12.050

spelling book.

182

00:15:12.060 --> 00:15:13.930

And we're going to write some of those

183

00:15:13.940 --> 00:15:19.220

words down.

184

00:15:19.230 --> 00:15:22.820

So we'll first start with, I'll do it in

185

00:15:22.830 --> 00:15:29.980

stick crayons so it's really big.

186

00:15:30.530 --> 00:15:32.680

IGH, which says I.

187

00:15:32.690 --> 00:15:37.320

I'm going to just put an I here in circles so you know that's what it's saying.

188

00:15:37.330 --> 00:15:39.840

And then Y.

189

00:15:39.850 --> 00:15:44.900

What were one of those IGH words?

190

00:15:46.250 --> 00:15:46.600

High.

191

00:15:46.610 --> 00:15:49.460

And not the waving high, but up high in

192

00:15:49.470 --> 00:15:51.360

the sky.

193

00:15:51.370 --> 00:15:57.740

So we just have high IGH.

194

00:15:57.750 --> 00:16:02.770

There's something that rhymes with high.

195

00:16:02.780 --> 00:16:06.210

And you might go, hmm.

196

00:16:08.380 --> 00:16:09.090

Sigh.

197  
00:16:09.100 --> 00:16:13.550  
S -I -G -H.

198  
00:16:13.560 --> 00:16:16.350  
And we can add letters after it.

199  
00:16:16.360 --> 00:16:18.310  
And the middle still, these three letters

200  
00:16:18.320 --> 00:16:20.610  
will still just say I.

201  
00:16:20.620 --> 00:16:22.570  
So we have high, sigh.

202  
00:16:22.580 --> 00:16:26.910  
What if we added T at the end? Sigh.

203  
00:16:33.770 --> 00:16:34.380  
Sight.

204  
00:16:34.390 --> 00:16:39.060  
The stars shine bright.

205  
00:16:39.750 --> 00:16:40.160  
Buh.

206  
00:16:40.470 --> 00:16:40.740  
Buh.

207  
00:16:48.490 --> 00:16:48.800  
Buh.

208  
00:16:48.810 --> 00:16:55.790  
And let's do, I'm very strong.

209  
00:16:55.800 --> 00:17:00.910  
I'm going to work with all my might.

210  
00:17:00.920 --> 00:17:02.290  
How would we spell that?

211  
00:17:02.300 --> 00:17:07.950  
M -I -G -H -T.

212  
00:17:07.960 --> 00:17:21.030  
And we're going to add one more because  
you can also have a Y at the end.

213  
00:17:21.040 --> 00:17:27.130  
And this Y, instead of saying I, says E.  
Mighty.

214  
00:17:31.540 --> 00:17:32.230  
Mighty.

215  
00:17:33.080 --> 00:17:33.730  
Mighty.

216  
00:17:33.740 --> 00:17:36.310  
Let's read these.

217  
00:17:37.420 --> 00:17:38.330  
High.

218  
00:17:39.860 --> 00:17:40.770

Sigh.	00:18:10.200 --> 00:18:16.900 only has one.
219 00:17:42.620 --> 00:17:43.530 Sight.	230 00:18:21.640 --> 00:18:22.430 Cry.
220 00:17:45.360 --> 00:17:46.270 Bright.	231 00:18:22.440 --> 00:18:26.740 Rhymes with cry.
221 00:17:48.000 --> 00:17:48.630 Height.	232 00:18:32.560 --> 00:18:32.850 I.
222 00:17:50.500 --> 00:17:51.090 Mighty.	233 00:18:32.860 --> 00:18:36.570 This is something birds do.
223 00:17:51.420 --> 00:17:51.630 Good.	234 00:18:36.580 --> 00:18:40.430 They fry.
224 00:17:51.640 --> 00:17:53.590 And we'll have words that end with Y when	235 00:18:40.440 --> 00:18:44.390 So there's, these are one syllable words.
225 00:17:53.600 --> 00:17:55.230 it says I.	236 00:18:44.400 --> 00:18:46.770 They have one beat.
226 00:17:55.480 --> 00:18:06.590 Okay, so, my, M, Y.	237 00:18:46.780 --> 00:18:51.090 And the last one we can do is fry.
227 00:18:06.600 --> 00:18:07.850 There's less letters, right?	238 00:18:51.620 --> 00:18:51.930 Fry.
228 00:18:07.860 --> 00:18:10.190 This has three letters to say I, and this	239 00:18:51.940 --> 00:18:59.080 Those french fries.
229	240

00:18:59.090 --> 00:19:07.200

Great work.

241

00:19:07.230 --> 00:19:23.190

Well, let's do movement, and then we're going to learn a new word pattern.

242

00:19:23.200 --> 00:19:26.230

Two little hands go clap, clap, clap.

243

00:19:26.240 --> 00:19:29.790

A quiet little hop up from my chair.

244

00:19:29.800 --> 00:19:33.230

Two little arms reach high in the air.

245

00:19:33.240 --> 00:19:36.470

Two little feet go jump, jump, jump.

246

00:19:36.480 --> 00:19:39.950

Two little fists go thump, thump, thump.

247

00:19:39.960 --> 00:19:42.870

Then we put on a golden crown.

248

00:19:42.880 --> 00:19:47.990

And last of all, sit quietly down.

249

00:19:48.000 --> 00:19:51.590

I wonder if you thought of another way to

250

00:19:51.600 --> 00:19:51.970

do it.

251

00:19:51.980 --> 00:19:54.610

We've done it.

252

00:19:54.620 --> 00:19:56.750

Big and, oh, let's do it very small.

253

00:19:56.760 --> 00:19:57.530

Have we done it small?

254

00:19:57.540 --> 00:19:59.270

We can do it small.

255

00:19:59.280 --> 00:20:01.430

Even if we've done it before.

256

00:20:01.440 --> 00:20:03.930

Two little hands go clap, clap, clap.

257

00:20:03.940 --> 00:20:06.750

A quiet little leap up from my chair.

258

00:20:06.760 --> 00:20:09.650

Two little arms reach high in the air.

259

00:20:09.660 --> 00:20:12.530

Two little feet go jump, jump, jump.

260

00:20:12.540 --> 00:20:16.430

Two little fists go thump, thump, thump.

261

00:20:16.440 --> 00:20:19.590

Then we put on our golden crowns.

262  
00:20:19.600 --> 00:20:23.910  
And last of all, sit quietly down.

263  
00:20:23.920 --> 00:20:27.570  
Now we can do it really big and loud,

264  
00:20:27.580 --> 00:20:30.370  
like a giant would do it.

265  
00:20:30.380 --> 00:20:32.230  
So we'll just say too big.

266  
00:20:32.240 --> 00:20:34.150  
I'll try to remember to put big in there.

267  
00:20:34.160 --> 00:20:36.610  
It's hard to leave out a word.

268  
00:20:36.620 --> 00:20:39.890  
Two big hands go clap, clap, clap.

269  
00:20:39.900 --> 00:20:43.610  
A big leap up from my chair.

270  
00:20:43.620 --> 00:20:47.130  
Two big arms reach high in the air.

271  
00:20:47.140 --> 00:20:50.670  
Two big feet go jump, jump, jump.

272  
00:20:50.680 --> 00:20:55.090  
Two big fists go thump, thump, thump.

273  
00:20:55.100 --> 00:20:58.310  
Then we put on our golden crowns.

274  
00:20:58.320 --> 00:21:40.210  
And last of all, sit quietly down.

275  
00:21:40.220 --> 00:21:45.820  
Let me bring Gentle Cindy closer.

276  
00:21:45.830 --> 00:21:48.860  
This is Gentle Cindy.

277  
00:21:48.870 --> 00:21:54.300  
And we're going to look at the letter C.

278  
00:21:54.310 --> 00:22:08.300  
And sometimes C, especially cat, has a strong sound like a cake.

279  
00:22:08.310 --> 00:22:22.940  
But whenever C is followed by E, here's her eyes, I, her nose, or Y, she gets

280  
00:22:22.950 --> 00:22:25.940  
soft and says sss.

281  
00:22:25.950 --> 00:22:37.980  
So for example, here she says sss.

282  
00:22:37.990 --> 00:22:39.300  
So we can read this.

283  
00:22:39.310 --> 00:22:43.760

This is going to say I, because there's a

284

00:22:43.770 --> 00:22:48.800  
magic E, so ice, ice.

285

00:22:51.210 --> 00:23:02.760  
And we could put in front of ice, an N, ice.

286

00:23:03.650 --> 00:23:04.260  
Nice.

287

00:23:04.270 --> 00:23:09.180  
So that's in front of the E, her little eyes.

288

00:23:09.190 --> 00:23:25.010  
And now we're going to put it in front of  
an I. Two clapboards, two syllables.

289

00:23:25.020 --> 00:23:28.770  
So we'll read this one first.

290

00:23:29.620 --> 00:23:31.670  
Pen, this is going to say sss, because

291

00:23:31.680 --> 00:23:34.950  
it's in front of I.

292

00:23:35.400 --> 00:23:38.810  
Pencil, pencil.

293

00:23:38.820 --> 00:23:55.290  
And then we do one more, which is in  
front of Y.

294

00:23:55.300 --> 00:24:00.010  
This is going to say I, I see, I see.

295

00:24:00.020 --> 00:24:02.910  
This is when Y says E at the end, I see.

296

00:24:02.920 --> 00:24:22.230  
So whenever the C is before E, I, or Y,  
it says sss instead of kk, like up.

297

00:24:22.240 --> 00:24:32.000  
That is the Gentle Cindy rule.

298

00:24:32.010 --> 00:24:34.060  
We'll go over more of that tomorrow in

299

00:24:34.070 --> 00:24:37.640  
Gentle Cindy as a friend.

300

00:24:37.650 --> 00:24:42.440  
There is another letter that also changes

301

00:24:42.450 --> 00:24:50.680  
when it is in front of E, I, or Y.

302

00:24:50.690 --> 00:24:52.140  
So Y is a fun one.

303

00:24:52.150 --> 00:24:55.580  
Sometimes Y acts like a vowel, doesn't it?

304

00:24:55.590 --> 00:25:00.100  
It says E, it says I, and then it also

305  
00:25:00.110 --> 00:25:05.340  
says ya when it's being a consonant.

306  
00:25:05.590 --> 00:25:20.330  
Well, now it's time for our story.

307  
00:25:20.340 --> 00:25:22.270  
This is the picture we're going to draw today.

308  
00:25:22.280 --> 00:25:28.690  
This is who our story is about.

309  
00:25:28.700 --> 00:25:37.550  
I think you can maybe already guess what she might like to do, what she might like.

310  
00:25:37.560 --> 00:25:43.770  
This is Rachel, and Rachel was born on a 65 -acre farm.

311  
00:25:43.780 --> 00:25:49.670  
Her mother taught her all about the plants and the animals on the forest and

312  
00:25:49.680 --> 00:25:51.570  
the farm.

313  
00:25:51.580 --> 00:25:54.210  
She spent a lot of time exploring the

314  
00:25:54.220 --> 00:25:57.570  
farm and reading.

315  
00:25:57.580 --> 00:26:00.670  
She loved reading and had an early

316  
00:26:00.680 --> 00:26:03.230  
interest in writing.

317  
00:26:03.240 --> 00:26:05.950  
She wrote her first story when she was

318  
00:26:05.960 --> 00:26:11.910  
eight years old, and her stories often included animals.

319  
00:26:11.920 --> 00:26:20.030  
At the age of 11, she had her first story published in a children's magazine.

320  
00:26:20.040 --> 00:26:25.390  
This was the beginning of a long life as a writer.

321  
00:26:25.400 --> 00:26:30.010  
When she was older, she went to the university to study English, but switched

322  
00:26:30.020 --> 00:26:32.490  
to biology.

323  
00:26:32.580 --> 00:26:35.270  
However, she continued to write and wrote

324  
00:26:35.280 --> 00:26:40.240

for the school newspaper while studying science.

325  
00:26:40.250 --> 00:26:43.460  
She got her master's degree in zoology,

326  
00:26:43.470 --> 00:26:47.420  
studying the animal kingdom.

327  
00:26:47.430 --> 00:26:50.140  
After her studies, Rachel took a job with

328  
00:26:50.150 --> 00:26:57.860  
the U .S. Bureau of Fisheries, writing radio shows on ocean life, mostly fish.

329  
00:26:57.870 --> 00:27:02.400  
People liked her shows because they were interesting and they learned a lot.

330  
00:27:02.410 --> 00:27:06.020  
She was soon asked to write other things.

331  
00:27:06.030 --> 00:27:08.960  
She continued to write for 13 more years

332  
00:27:08.970 --> 00:27:11.360  
for the Bureau of Fisheries.

333  
00:27:11.370 --> 00:27:15.300  
And in 1948, she began writing The Sea

334  
00:27:15.310 --> 00:27:16.860

Around Us.

335  
00:27:16.870 --> 00:27:19.320  
It was an instant bestseller, and Rachel

336  
00:27:19.330 --> 00:27:25.420  
was able to leave the Bureau to write full -time, all the while spending time

337  
00:27:25.430 --> 00:27:31.940  
in nature, learning about animals, especially sea creatures.

338  
00:27:31.950 --> 00:27:40.400  
She then wrote a famous book, which many people still read today, called Silent Spring.

339  
00:27:40.410 --> 00:27:43.860  
It caught the attention of many people.

340  
00:27:43.870 --> 00:27:45.960  
Before this, not many people worried

341  
00:27:45.970 --> 00:27:50.840  
about environmental problems and conservation.

342  
00:27:50.850 --> 00:27:53.400  
The book looked at problems with DDT and

343  
00:27:53.410 --> 00:28:00.280  
other pesticides, chemicals that kill

pests like mosquitoes and flies.

344  
00:28:00.290 --> 00:28:05.900  
It was thought then that these pesticides were safe, but they were actually harming

345  
00:28:05.910 --> 00:28:09.440  
many birds and causing them to die.

346  
00:28:09.450 --> 00:28:12.060  
It stayed in the insects and fish, which

347  
00:28:12.070 --> 00:28:15.040  
were eaten by the birds.

348  
00:28:15.050 --> 00:28:17.780  
The birds then laid eggs with thin shells

349  
00:28:17.790 --> 00:28:20.260  
that would break.

350  
00:28:20.270 --> 00:28:23.560  
Some birds, like the bald eagle, almost

351  
00:28:23.570 --> 00:28:27.660  
disappeared from the United States.

352  
00:28:27.670 --> 00:28:30.020  
In her book, Rachel said that without

353  
00:28:30.030 --> 00:28:37.440  
changes in how we use the pesticides, there would not be many birds left in the future.

354  
00:28:37.450 --> 00:28:43.260  
And instead of hearing birds sing in the spring, it would be quiet.

355  
00:28:43.270 --> 00:28:48.800  
And that is how the book got its title, Silent Spring.

356  
00:28:48.810 --> 00:28:54.660  
This book led to a change in the national pesticide policy and a ban on DDT and

357  
00:28:54.670 --> 00:28:56.940  
some other pesticides.

358  
00:28:56.950 --> 00:28:59.860  
This new environmental movement inspired

359  
00:28:59.870 --> 00:29:06.620  
by the book led to the creation of the Environmental Protection Agency, which

360  
00:29:06.630 --> 00:29:09.360  
protects the natural world.

361  
00:29:09.370 --> 00:29:11.820  
People loved the birds and animals and

362  
00:29:11.830 --> 00:29:17.980  
were thankful that Rachel had studied and learned what was causing them harm.

363  
00:29:17.990 --> 00:29:23.080  
They admired her courage to write the book to protect the wildlife.

364  
00:29:23.090 --> 00:29:28.200  
The number of birds, especially the eagles, began to increase in number and

365  
00:29:28.210 --> 00:29:33.120  
now live safe from the pesticides that harmed them.

366  
00:29:33.130 --> 00:29:44.370  
In the springtime, you can hear the birds singing thanks to Rachel Carson's work.

367  
00:29:44.380 --> 00:29:48.090  
So we're going to start our drawing.

368  
00:29:53.900 --> 00:29:54.310  
Rachel.

369  
00:29:54.320 --> 00:29:58.990  
She has a little jar in her hand for collecting.

370  
00:29:59.000 --> 00:30:13.080  
She's out in the ocean studying.

371  
00:30:13.090 --> 00:30:15.280  
So eight years old, I wonder how old you are.

372  
00:30:15.290 --> 00:30:20.720

And if you are already starting to write

373  
00:30:21.390 --> 00:30:27.200  
stories, this is a good time in class.

374  
00:30:27.210 --> 00:30:31.620  
So I just went from John Muir from the

375  
00:30:31.630 --> 00:30:34.120  
day before and turned the page.

376  
00:30:34.130 --> 00:30:42.940  
And we'll start with Rachel.

377  
00:30:42.950 --> 00:30:59.920  
Put her over here.

378  
00:30:59.930 --> 00:31:03.630  
Using orange.

379  
00:31:03.640 --> 00:31:23.190  
Starting in the middle and going out.

380  
00:31:23.200 --> 00:31:41.090  
I'm going to have her shoulder come down.

381  
00:31:41.100 --> 00:32:06.420  
She can hold the jar.

382  
00:32:06.430 --> 00:33:00.170  
You can have her hand coming under.

383

00:33:00.180 --> 00:34:42.640

I'm going to give her a hat.

384

00:34:42.650 --> 00:34:45.120

We're going to have her standing in the water.

385

00:34:45.130 --> 00:34:53.460

So we won't draw her feet.

386

00:34:53.470 --> 00:35:37.670

Leaves coming up.

387

00:35:37.680 --> 00:36:01.320

And you can draw.

388

00:36:01.330 --> 00:36:15.120

Let's do some seaweed.

389

00:36:15.130 --> 00:36:42.970

I guess it's not blowing, it's the waves moving it.

390

00:36:42.980 --> 00:36:44.450

So everything's connected.

391

00:36:44.460 --> 00:36:49.950

Whatever they put on the bugs the birds

392

00:36:49.960 --> 00:36:53.190

were eating is getting into the water.

393

00:36:53.200 --> 00:36:59.190

And the fish who also ate the bugs or the

394

00:36:59.200 --> 00:37:13.450

runoff are then being affected by those chemicals.

395

00:37:13.460 --> 00:37:21.970

And she was able to figure that out.

396

00:37:21.980 --> 00:37:23.190

And save the eagles.

397

00:37:23.200 --> 00:37:24.290

I wonder if you've ever seen them.

398

00:37:24.300 --> 00:37:27.170

I've been lucky to see some eagles in my life.

399

00:37:27.180 --> 00:37:30.210

They're so beautiful and majestic.

400

00:37:30.220 --> 00:38:01.780

And big.

401

00:38:01.790 --> 00:38:15.350

Big sun in the sky.

402

00:38:15.360 --> 00:38:17.690

They're really big.

403

00:38:17.700 --> 00:38:21.150

And then we can put some blue.

404

00:38:21.160 --> 00:39:57.240  
Actually let's put our clouds first.

405  
00:40:04.970 --> 00:40:05.560  
Alright.

406  
00:40:05.570 --> 00:40:10.120  
And I would like to encourage you.

407  
00:40:10.130 --> 00:40:12.800  
Since you're probably seven or eight,

408  
00:40:12.810 --> 00:40:18.440  
maybe older, maybe nine, maybe younger.

409  
00:40:18.450 --> 00:40:21.020  
To do some writing like Rachel Carson  
did.

410  
00:40:21.030 --> 00:40:23.340  
So you could write before next class.

411  
00:40:23.350 --> 00:40:25.060  
I'll bring what I'm going to write.

412  
00:40:25.070 --> 00:40:26.120  
Something about her.

413  
00:40:26.130 --> 00:40:27.260  
So who is it?

414  
00:40:27.270 --> 00:40:29.680  
It's Rachel Carson.

415  
00:40:29.690 --> 00:40:33.180  
And then you could write what she loved.

416  
00:40:33.190 --> 00:40:37.000  
What she did as a little girl. Or up to  
adulthood.

417  
00:40:37.010 --> 00:40:39.080  
So you can just share her life. Or

418  
00:40:39.090 --> 00:40:43.680  
anything that you thought was interesting  
about the story.

419  
00:40:43.690 --> 00:40:50.680  
And then you can maybe write that  
yourself in your book.

420  
00:40:50.850 --> 00:40:51.100  
Okay.

421  
00:40:51.110 --> 00:41:08.510  
Please stand tall for the verse.

422  
00:41:08.520 --> 00:41:11.590  
The earth is firm beneath my feet.

423  
00:41:11.600 --> 00:41:14.130  
The sun shines bright above.

424  
00:41:14.140 --> 00:41:17.870  
And here I stand so straight and strong.

425

00:41:17.880 --> 00:41:21.810

All things to know and love.

426

00:41:21.820 --> 00:41:23.570

Goodbye and thank you second grade.