



# 4th Grade March News



Bain Elementary School

February 27, 2018



## SAVE THE DATE FOR STEM NIGHT!

Discover the fun of Science, Technology, Engineering, and Math through hands-on activities for the whole family!

When: Thursday, March 15<sup>th</sup>

Time: 6:00 – 7:30 p.m.

Where: Bain Elementary School


### Themed Activities:

- K- Spring into Science
- 1st- End of the Rainbow
- 2nd- Good Vibrations (Sounds)
- 3rd- Why Does Matter Matter?
- 4th- Everything is Awesome (LEGO Land)
- 5th- Tricky Traits

“Luck is a matter of preparation meeting opportunity.”

-Lucius  
Seneca



We  Our School Night will be Friday, March 2<sup>nd</sup> from 5:30 to 8:00pm! Please come out and join us as we celebrate our amazing school with fun, food, face painting, and much more!! Leading up to the big night on Friday we will enjoy a spirit week during the first week of March!

- Monday (2/26)-Wear animal print or clothes with your favorite animal!
- Tuesday (2/27) Wear GREEN!
- Wednesday (2/28) Wear clothes with words on them!
- Thursday (3/1) Wear your favorite hat!
- Friday (3/2) Bain Colors Spirit-wear Day!

### In This Issue...

- STEM night
- Academic Round-Up!
- Important Dates
- Special Areas News



## Poetry Teaching Points:

- How to read poetry
- Repetition
- Sensory language
- Symbolism
- Figurative language
- Mood
- Point of view
- Setting
- Interpretation of words and phrases
- Theme/message
- Imagery/description
- Word recognition strategies
- Meter/Rhythm/Rhyme
- Word, Line, Verse, Stanza

### English-Language Arts

At the start of the month, we will continue to work on the six signposts of literature, comparing themes in historical fiction and how characters relate to them across texts. We will read closely to see how themes are shaped by authors and why an author may have chosen the precise words, phrases and images used in the stories to forward a theme or life lesson.

Later in the month, students will begin examining poetry. Close reading and analyzing of a variety of poems will help students to discover:

- how to read poetry aloud (with attention to punctuation, line/stanza breaks and white space)
- The importance of sensory and figurative language (similes, metaphors, personification, etc.) in poetry
- The symbolism that exists in poetry titles
- How to determine the theme and analyze the speaker's message
- Visualization while reading poetry to make sense of descriptions and rich imagery
- Interpreting words and phrases
- Determining the mood of a poem and the point of view from which it is written



## Mathematics—Fractions and Line Plots

Students will continue to develop their understanding of the relationship of fractions. We will also work with representing and interpreting line plots toward the end of March.

**Topic 9: Understand Addition and Subtraction of Fractions** will cover the following objectives:

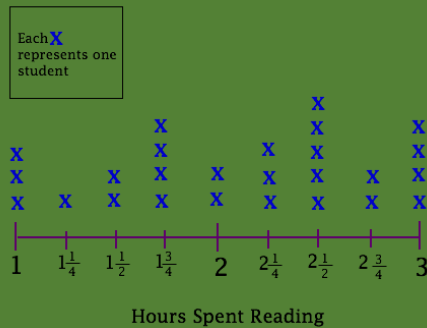
What Do Our Students Need To Know?	What Do Our Students Need To Be Able To Do?
<ul style="list-style-type: none"><li>• Fractions can be decomposed in many ways (just like whole numbers)</li><li>• Fractions with a numerator greater than one can be written as the sum of unit fractions</li><li>• In order to add and subtract fractions, the fractions must have the same denominator.</li><li>• A mixed number is made up of a fraction and a whole number.</li><li>• We can add mixed numbers by adding the whole numbers, adding the fractions, and then combining the two making another whole of the fractions when possible</li><li>• We can subtract mixed numbers by subtracting the whole number and then the fractions and decomposing the whole number when necessary.</li><li>• A unit fraction is a fraction with a numerator of one.</li></ul>	<ul style="list-style-type: none"><li>• Separate a fraction with a numerator greater than one into unit fractions</li><li>• Decompose fractions with a numerator greater than one in more than one way.</li><li>• Add and subtract mixed numbers with like denominators.</li><li>• Solve word problems involving addition and subtraction of fractions having like denominators.</li><li>• Represent fraction word problems using visual fraction models and equations.</li></ul>

**Topic 10: Extend Multiplication Concepts to Fractions**

What Do Our Students Need To Know?	What Do Our Students Need To Be Able To Do?
<ul style="list-style-type: none"><li>• Any fraction with a numerator greater than 1 can be decomposed in more than one way.</li><li>• Multiplication is repeated addition. When we multiply a whole number times a fraction, we are adding that fraction as many times as the whole number. Ex. <math>4 \times \frac{3}{5} = \frac{3}{5} + \frac{3}{5} + \frac{3}{5} + \frac{3}{5}</math></li><li>• A mixed number can be converted into an equivalent improper fraction.</li><li>• An improper fraction can be converted into an equivalent mixed number.</li></ul>	<ul style="list-style-type: none"><li>• Decompose fractions with a numerator greater than one in more than one way.</li><li>• Represent fraction word problems using visual fraction models and equations.</li><li>• Multiply a unit fraction times a whole number. Use a visual fraction model or number line to show that the product will have the whole number as the numerator and the denominator of the fraction as the denominator.</li><li>• Multiply fractions with a numerator greater than one times a whole number by decomposing the fraction. Ex 1: <math>4 \times \frac{1}{2} = 4 \times (\frac{1}{2} + \frac{1}{2}) = (4 \times \frac{1}{2}) + (4 \times \frac{1}{2}) = 8 \times \frac{1}{2} = 8/2 = 4</math> Ex 2: <math>4 \times \frac{1}{2} = 4 \times (2 \times \frac{1}{4}) = (4 \times 2) \times \frac{1}{4} = 8 \times \frac{1}{4} = 8/4 = 2</math></li><li>• Solve word problems involving multiplication of a fraction by a</li></ul>

**Topic 11: Represent and Interpret Data on Line Plots** will cover the following objectives:

What Do Our Students Need To Know?	What Do Our Students Need To Be Able To Do?
<ul style="list-style-type: none"> <li>• A line plot shows data along a number line.</li> <li>• Each mark above a point on the line represents one number in the data set.</li> <li>• Determining the difference between two amounts requires subtraction.</li> <li>• 'Most Common' value is asking for the value that occurs the most frequently.</li> <li>• Number lines are always in ascending order from left to right.</li> <li>• Blank notches on a number line require you to determine the value between other labeled values on the number line.</li> </ul>	<ul style="list-style-type: none"> <li>• Read and interpret data using line plots</li> <li>• Solve problems involving addition and subtraction of fractions by using information presented in the line plots.</li> <li>• Create a line plot to display a data set of measurements in fractions of a unit (<math>1/2</math>, <math>1/4</math>, <math>1/8</math>)</li> </ul>



### Bobcat Behaviors:

**February's Character Trait *Citizenship*: Be an informed, responsible and caring participant in your community.**

**Bobcat Behavior: Creative and Critical Thinkers-I think before I act. I routinely examine problems in new ways and seek to find creative solutions. My imagination allows me to express myself and develop new ideas. I use the design process to help guide my thinking.**

### Habit of the Month:

**Habit 5- Seek first to Understand Then to be Understood: Listen Before You Talk.**

**I listen to other people's ideas and feelings. I try to see things from their viewpoints. I listen to others without interrupting. I am confident in voicing my ideas. I look people in the eyes when talking.**



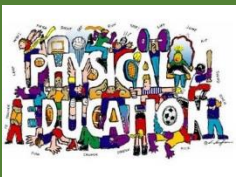
## Upcoming March Events

- March 5th-9th- Reading Common Assessments
- March 9th- Principal's Coffee
- March 15th-STEM Night 6:00-7:30
- March 20th-Spring Pictures
- March 22nd- Terrific Kids 8:15 am
- March 22nd- 4th Grade Recorder Concert & 5th Grade Chorus Concert
- March 26th-Spring Celebrations 3rd-5th 1:30-2:30
- March 27th-Spring Celebrations K-2nd 1:30-2:30
- March 28th Last day of 3rd quarter
- March 29th- Inclement Weather Make-up Day
- March 30th- Holiday/No School

## Special Areas News



**Music-** In music, grade four students will complete their Recorder Karate method by achieving black belt with the playing of Beethoven's "Ode to Joy." We look forward to playing a recorder concert for our parents on Thursday, March 22<sup>nd</sup> at 6:25 pm.



**PE-** In physical education classes for March, students will be working on tumbling and gymnastics. They will learn to do rolls and stunts on the mats. Balance beam, vaulting box and wedge mats will also be in use. As an extra activity, the students will design and build a pyramid using their bodies. The second week the students in grades 3-5 will develop a routine in tumbling using the rolls, balances and stunts they have learned.

*Spring Break March 30<sup>th</sup> - April 8<sup>th</sup>!*