Pi Day Celebration – March 15

As some of you are aware, March 14 is Pi Day (3.14) and Albert Einstein's Birthday. Since Pi day falls on a satellite home day, we will be celebrating Pi Day at lunch on March 15. I will have a few pi activities available for the students to explore during lunch. Also, **the Rhetoric students will be presenting their Conics Sculpture at 12:00**. Please plan to join us for their quick presentation.

You might want to encourage your parents to help their students celebrate by sending a round item in their lunch. If you would like to incorporate pi day into your lesson plans here are a few ideas.

- As a class or grade, create a pi chain with loops of construction paper, using a different color for each of the ten digits. One school created a chain of 75,000 loops!
- Jewelry (Beads) Make a chain of beads, where each



their paper chain.

number is represented by a different color. Students can make personal bracelets, or work on one ultra-long strand as a class.,

• Use the first 20 digits in pi and write a story using the numbers to determine word length, so you will use a 3-letter word then a 1-letter word then a 4 letter word and keep going. In the illustration in the top right, students wrote the poem on



- Visualize pi by creating a bar graph or city scape art work
- Read a "Sir Cumference" story. I have the three pictured and they will be available for the teachers to borrow. Please coordinate times with me so every class may have a chance to read them. OR we can do a group reading at lunch.

Looking forward to celebrating with you. Hope these ideas bring some ins π ration! ~Mrs. Siddall



Visualizing Pi

The decimal representation of Pi has been computed to more than a trillion digits (10¹²).

Pi can be estimated by dividing the circumference of any circle by its diameter.

circumference



3.14

6.4 billion digits

3.1415926535897932384626433832 79502884197169399375105820974 9445923078164062862089986280

Pi has about 6.4 billion known digits which would take a person roughly 133 years to recite without stopping. The world record holder for the most memorized digits of Pi took nine hours to recite over 44,000 digits of Pi.

Ancient Egyptian, Babylonian, Indian, and Greek mathematicians all knew the ratio of circumference to diameter of a circle was slightly more than 3.

The earliest known reference to Pi occurs in an Egyptian papyrus scroll, written around 1650 BC by a scribe named Ahmes.

The ratio of the

Great Pyramid of Giza's height to

perimeter comes

out to approxi-

mately 2pi.

Pi (which is a letter in the Greek alphabet) was discovered by a Greek mathematician named Archimedes. He stated the Pi is a number between 3 10/71 and 3 1/7. He found it by taking a polygon with 96 sides and inscribing a circle inside the polygon. That was Archimedes' concept of pi.

All the digits of Pi can never be fully known.



It took Yasumasa Kanada, a professor at the University of Tokyo, approximately 116 hours to compute **6,442,450,000** decimal places of Pi on a computer.

1+1+1+1=D

