

8th Grade Math Project

You will be creating a PowerPoint presentation on a famous mathematician or mathematical topic!

Listed below are a guide for your presentation, a list of possible mathematicians and topics you may choose from (you can find your own as well), a timeline of important dates and rubric for which the project will be graded.

Paper Specifications Guide

(for mathematical topic)

<i>Title Slide</i>
<i>2nd slide – Introduce and discuss the mathematical topic and discuss who came up with the topic.</i>
<i>3rd slide - Tell about the authors/creator’s background and how he/she came across this idea.</i>
<i>4th, 5th, 6th, etc – Discuss the mathematical concepts that are involved in this topic. Discuss what was going on in the world and the “world of math” during that time period.</i>
<i>Final slide - Why is this contribution important in our lives? Has the idea evolved through the years? Explain.</i>

Possible Mathematical Topics:

- *Pascal’s Triangle*
- *Number Systems*
- *History and Uses of the Pythagorean Theorem*
- *Golden Ratio*
- *Fibonacci Sequence*
- *Monies of the world and conversion*
- *Four Color Problem*
- *Magic Squares*

(for mathematician)

<i>Title Slide</i>
<i>2nd slide - Introduce the mathematician, tell</i>

<i>about his/her most important contribution, why this person is worthy of a presentation.</i>
<i>3rd slide - Tell about their family life, childhood, where they grew up, lifestyle. What was going on throughout the world during his/her time.</i>
<i>4th slide - Tell about their training, college, research, schools, education.</i>
<i>5th, 6th, etc - Important contributions: mathematically and personally.</i>
<i>Final slide - Why are these contributions important in our lives?</i>

Possible Mathematicians:

- *Archimedes*
- *Agnesi, Maria*
- *Barrow, Isaac*
- *Clavius, Christopher*
- *Kepler, Johannes*
- *Sir Isaac Newton*
- *Galilei, Galileo*
- *Einstein, Albert*
- *Euclid of Alexandria*
- *Hilbert, David*
- *Pascal, Blaise*
- *Copernicus, Nicolaus*
- *Fibonacci, Leonardo Pisano*
- *Hippocrates of Chios*
- *Eratosthenes of Cyrene*
- *DeMorgan, Augustus*
- *Klein, Felix Christian*
- *Halley, Edmond*
- *Zeno of Elea*
- *Boyle, Robert*
- *Russell, Bertrand*
- *Dodgeson, Charles Lutwidge*
- *Cartwright, Dame Mary Lucy*
- *Plato*
- *Aristotle*
- *Riemann, Georg*
- *Cantor, Georg Ferdinand*

You must have at least three different sources. Be sure to keep a bibliography on your sources!

Timeline

<i>Wednesday, May 14 (due)</i>	<i>Choose topic</i>
<i>Friday, May 16 (due)</i>	<i>Research - at least 3 sources</i>
<i>Friday, May 19-23</i>	<i>Work on Presentation In Class</i>

Tuesday, May 27 - ?

Present to Class

Grading Criteria

Counts as a Test grade.

_____ I. *Presentation is complete and addresses specifications guide. Each slide will be worth 10 points.*

(70 pts possible)

_____ II. *Presentation is well written, informative, and interesting, with correct spelling, punctuation, and grammar.*

(20 pts possible)

_____ III. *Work during class time*
possible)

(10 pts

Total = 100pts