Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Famous Mathematicians Project

Students will pick a mathematician from the list below and complete three of the items from the choice board about their chosen historical person. Within the board, they must pick one item from each row. The project is due Monday, April 16 and will be briefly presented to their class. Along with the project components, all students must submit a bibliography list of sources they used to complete their project. Students must use three sources. Wikipedia may be used to get background information, but may not be one of the three official sources.

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| --- | --- |
| Content Area | Choice Board |
| Biography | MobileCreate a mobile about your mathematician’s life. There must be at least five sections to your mobile.  | Comic StripCreate a biographical comic strip of your mathematician’s life.  | TimelineCreate a timeline of the major events in your mathematician’s life. There must be at least 15 entries.  |
| Mathematical Concepts | Newspaper ArticleWrite a newspaper article explaining a discovery/concept made by your mathematician. | Interview“Interview” your mathematician about a discovery/concept they made. You must write the questions and the answers of the interview.  | PosterCreate a poster presenting a discovery or concept made by your mathematician.  |
| Other | SongWrite a song/rap about your mathematician and their math.  | CollageCreate a collage about your mathematician and their math.  | Crossword PuzzleCreate a crossword puzzle about your mathematician and their math. You must write the answers and the clues. There are a minimum of 10 clues.  |

Mathematicians to choose from:

1. Albert Einstein
2. Leonardo Pisano Bigollo/Leonardo Pisano Fibonacci
3. Pythagoras
4. Archimedes
5. Aryabhata
6. Ada Lovelace
7. Srinivasa Ramanujan
8. John Napier
9. Sophie Germain
10. Luca Pacioli
11. Eratosthenes
12. Benjamin Banneker
13. Alan Turing
14. Ptolemy
15. Euclid
16. Isaac Newton
17. Rene Descartes
18. Carl Friedrich Gauss
19. Andrew Wiles
20. Mary Winston-Jackson
21. Blaise Pascal
22. Leonardo DaVinci
23. John F. Nash Jr.
24. Leonard Euler
25. Katherine Johnson
26. Dorothy Vaughn
27. Ellen Ochoa
28. Luis Alvarez
29. Neil daGrasse Tyson
30. Al-Khwarizmi

Choice 1: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Choice 2: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Choice 3: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| --- | --- | --- | --- | --- |
| Section/Points Earned | 8-10 points | 5-7 points | 4-2 points | 0-1 points |
| Biography | Biography includes all major life events including birth, death, education, mathematical discoveries, and any other interesting details. Biography is presented in a way that is interesting.  | Biography is missing 1-2 major life events. Facts are simply presented.  | Biography is missing 3-4 major life events and has very little detail.  | Biography is missing most life events. No extra details.  |
| Mathematical Concepts | At least one mathematical concept is explained in detail that you understand and an example is given. | The explanation is not written in language that can be easily understood.  | Example or explanation are missing.  | Not completed.  |
| Other | You are creative and submitted a well thought and completed other section. Time and effort have clearly been put into this portion of the project. Completed neatly.  | Section is complete, but not much effort has been put into the final product.  | Section has been rushed. It is not neat or organized.  | Not completed.  |
| Bibliography | Bibliography submitted with at least 3 sources | Bibliography submitted with 2 sources. | Bibliography submitted with 1 source.  | No bibliography submitted |
| Presentation | Student completes 2 minute presentation about their mathematician and concept. They are confident and only use notes sparingly.  | Presentation is under 1 minute and 30 seconds. Student lacks confidence in presentation.  | Presentation is under 1 minute, is hard to understand, and relies heavily on notes.  | Presentation lasts less than 30 seconds and does not provide necessary information.  |

Parent Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_