**Maths Optional Summer Project**

|  |
| --- |
| What is the Optional Summer Project? |
| To create a powerpoint/poster about a famous (or not so famous) mathematician, with a biography and description of their maths. Description You are going to research and write about a mathematician’s life and their maths. It should include1. **Biography** (all about their life)
2. **Overview of Maths work**
3. **Detailed description of one piece of maths** (this must be understood by you)
4. **Any other interesting points** (this will vary depending on who you choose, but could include: practical examples; other academic work; other mathematicians who worked on similar problems)

You should also include a bibliography of any books or websites you have used. Extra Information The work **must** also contain: The work ***might*** also contain: * Title Quiz/Questions
* Colours Summary/Quick Facts
* Pictures

Possible Mathematicians This is a list of some possible mathematicians to consider. It is not exhaustive, but a good start for your research.

|  |  |
| --- | --- |
| * Thales
* Pythagoras
* Zeno
* Aristotle
* Euclid
* Archimedes
* Eratosthenes
* Heron
* Diophantus
* Brahmagupta
* Al-Khwarizm
* Fibonacci
* Alberti
* Da Vinci
* Cardan
* Napier
* Galileo
* Mersenne
* Descartes
* Fermat
* Wallis
* Pascal
 | * Leibniz
* Bernoulli
* Goldbach
* Euler
* Gauss
* Germain, Sophie
* Cauchy
* Babbage
* Nightingale
* Riemann Cantor
* Dodgson
* Klein, Felix
* Kovalevskaya
* Hilbert
* Koch
* Einstein
* Noether, Emmy
* Ramanujan
* Escher
* Godel
* Turing
* Newton
 |

Websites This website is a fantastic first resource for finding basic information, and often gives other links for each mathematician. <http://www-history.mcs.st-and.ac.uk/BiogIndex.html> |
| What resources will I need? |
| Paper/PowerpointInternetPens/Colours |
| Where can I look for more activities or resources if I would like them? |
| If you’d rather do some of your own Maths work please log onto Hegarty Maths and attempt your own personalised ‘Fix Up 5’s’ or ‘MemRi’ tasks based on what you have done well on and need more work on from this year. |
| What will I be studying when I return in September and how can I prepare? |
| New Year 8 | Number & Reasoning Skills |
| New Year 9 | Number & Reasoning Skills |