

MATHS IN MEDICINE

Mathematics is crucial for the study of medicine, particularly the strands of number, algebra, measurement and statistics.

Below are some ideas for students to explore. Students should investigate the mathematics involved and write up a mathematical report with their findings. Here is a link for instructions on how to write up a report.

<http://mastering-mathematics.com/webpages/working-mathematically/report.html>

STAGE 4 – YEARS 7 AND 8

- Babies' Growth Charts – Statistics
- Dosage formulas – Algebra and Ratio
- Health Charts (Florence Nightingale) – Statistics

STAGE 5 – YEARS 9 AND 10

- Realigning bones – Trigonometry
- Blood splatter analysis – Trigonometry
- Epidemics – Statistics and Probability
- Medicine in the Bloodstream – Non-linear Relationships
- Life Expectancy – Probability

