

Advanced Maths



“Mathematics is the language in which God has written the Universe”
(G. Galilei)

Program S6

- Foundations of Mathematics
 - Logic, classical methods of demonstration
 - Set theory
 - Relations and functions
- Number Theory
 - Euclidean division
 - Congruences
 - Diophantine equations
 - Prime numbers
- Linear Algebra
 - Vector spaces
 - Matrices
- Analysis
 - Classical Theorems

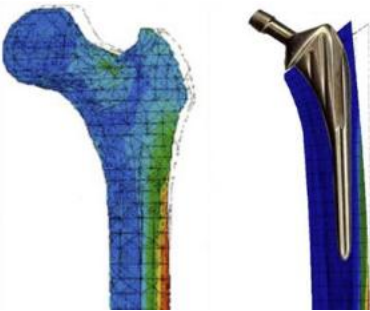
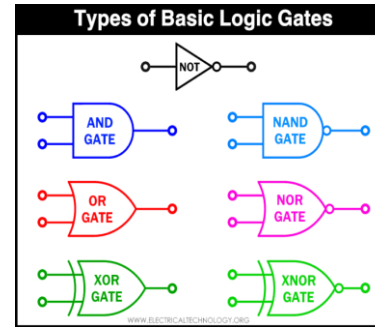
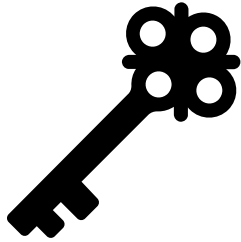
Click [here](#) to view the resources in more detail.

Program S7

- Linear algebra
 - Determinants and matrices
 - Linear transformations and vector spaces
- Analysis
 - Taylor and MacLaurin polynomials
 - Integration techniques
 - Differential equations
- Linear Algebra
 - Matrices
- 2 optional topics: -> Future studies

Click [here](#) to view the resources in more detail (optional topics can vary).

Future studies?



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