

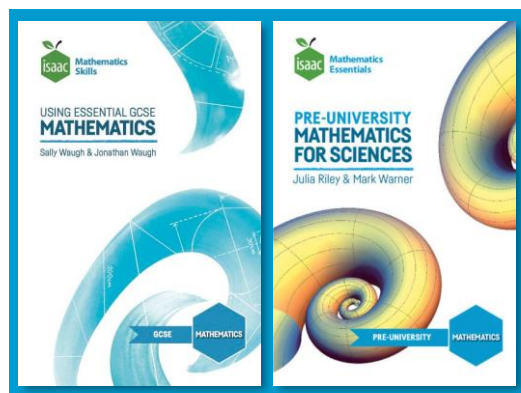
## Books

Our GCSE mathematics book is available for £1 in print or free online. It is written for both Foundation & Higher. It touches on the whole GCSE syllabus, with explanations introducing each section and plenty of questions to solve.

[https://isaacphysics.org/books/maths\\_book\\_gcse](https://isaacphysics.org/books/maths_book_gcse)

Our pre-university mathematics book is available for £1 in print or free. It is written to support the use of mathematics in science, with content ranging from end-of-GCSE to first year University.

[https://isaacphysics.org/books/pre\\_uni\\_maths](https://isaacphysics.org/books/pre_uni_maths)



## Practise Mathematics & Master Mathematics

	Stage 1 (Year 12)	Stage 2 (Year 13)
Core Pure Maths	C	C
Mechanics	M	M
Further Pure Maths	F	F

Our Practise Mathematics page includes over 1000 past exam questions, arranged by topic, covering pure and mechanics for A-level Maths, and core pure for Further Maths. This makes it ideal for students to practise a specific topic.

[https://isaacphysics.org/pages/maths\\_practice](https://isaacphysics.org/pages/maths_practice)

Our Master Mathematics question boards contain exam questions that span a year of A-level content. Each question on a board is linked to easier questions on the same topic, making it an ideal resource for revision.

[https://isaacphysics.org/pages/master\\_maths](https://isaacphysics.org/pages/master_maths)

## Concept Pages & Question Finder

Our concept pages explain a concept in detail. Larger topics are broken down into smaller sections, which are organised by educational stage and include worked examples.

<https://isaacphysics.org/concepts>

Our question finder allows you to search for questions based on the stage, difficulty and topic you select.

<https://isaacphysics.org/questions>

### Concepts

Search concepts

#### Search Results

Filter: ☐ Physics ☒ Maths ☐ Chemistry ☐ Biology



##### Algebraic Division and The Factor Theorem

An explanation of algebraic division and how we can use it along with the factor theorem and remainder theorem to factorise polynomials. >



##### Algebraic Fractions & Partial Fractions

How to work with algebraic fractions, including splitting an expression into partial fractions. >



##### Algebraic Manipulation - Index Notation

An overview of the rules of combining integer, fractional and negative indices. >



##### Algebraic Manipulation - Inequalities

An overview of inequality notation and how to manipulate inequalities, and how to solve linear, quadratic and rational inequalities. >

## Try Our Resources

You can try out our resources yourself with this collection of 10 questions drawn from the sources described above and illustrating our newest question types:

[https://isaacphysics.org/gameboards#ipts24\\_fri\\_3\\_jnw\\_jmr\\_mcr](https://isaacphysics.org/gameboards#ipts24_fri_3_jnw_jmr_mcr)