# **Isaac Maths Resources**

**GCSE Book** 

A-level Book

**Practise Maths** 

**Master Maths** 

Question finder

Concepts

https://isaacphysics.org/books/maths\_book\_gcse

https://isaacphysics.org/books/pre\_uni\_maths

\$

https://isaacphysics.org/pages/maths\_practice

https://isaacphysics.org/pages/master\_maths

•

https://isaacphysics.org/gameboards

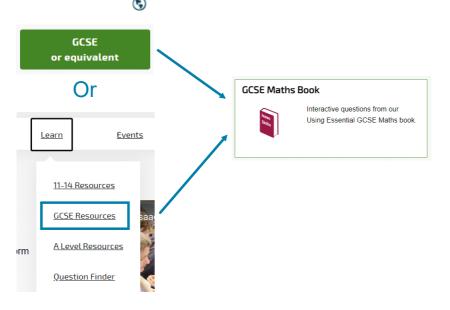
3

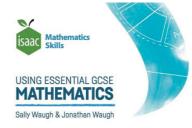
https://isaacphysics.org/concepts

•

#### **GCSE Book**

https://isaacphysics.org/books/maths\_book\_gcse







## Available for £1 in print, or online for free.



#### Teacher resources.

For Teachers

<u>Specification Table</u> - maps the book to your exam board.

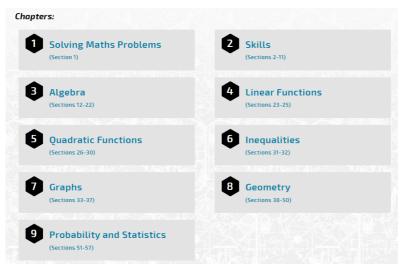
Teacher's Manual - authors' notes for teachers.

Preparation for Sixth Form (pdf) - by the authors.

**STEM Question Finder** - table of problems that relate to STEM subjects.

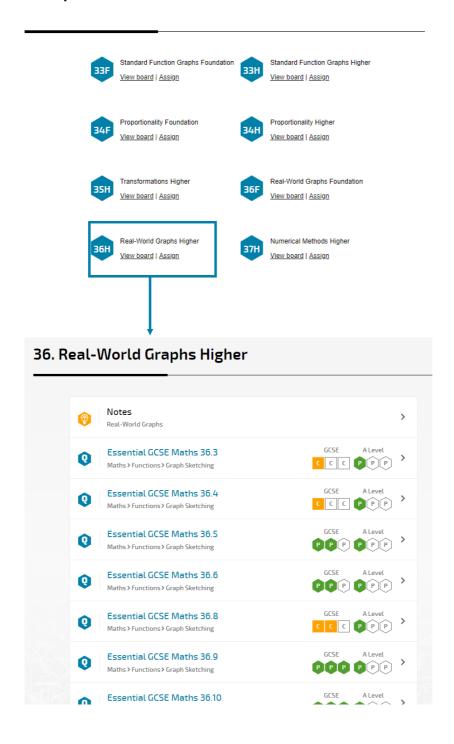
Maths Skills for GCSE Science - table of assumed skills for GCSE science courses.

### Covers all of GCSE Maths, with sections for Foundation or Higher.

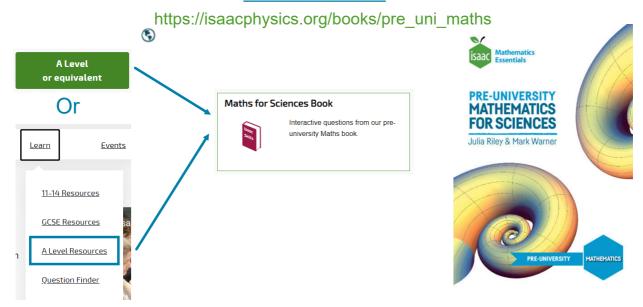


### Questions in gameboards for each chapter.

### Graphs



#### **A-level Book**



Available for £1 in print, or online for free.



## Specification table for teachers

For Teachers

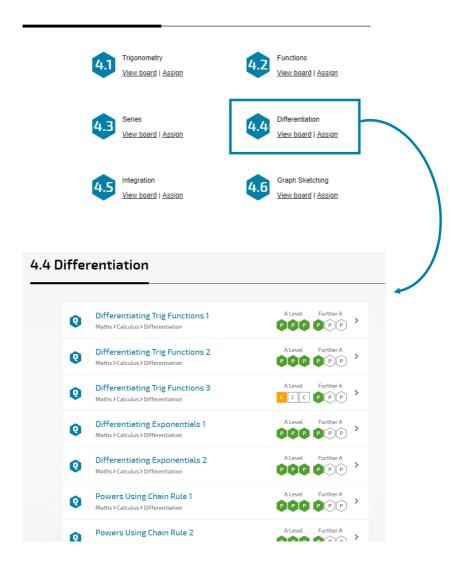
Specification Table - maps the book to your exam board.

Covers pure content for A-level Maths, and some of Further Maths. Focuses on mathematical methods used in the sciences.



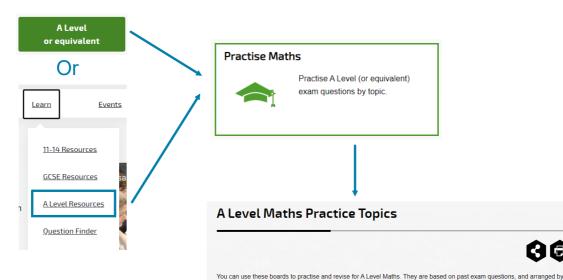
## Questions in gameboards for each chapter.

#### Level 4



#### **Practise Maths**

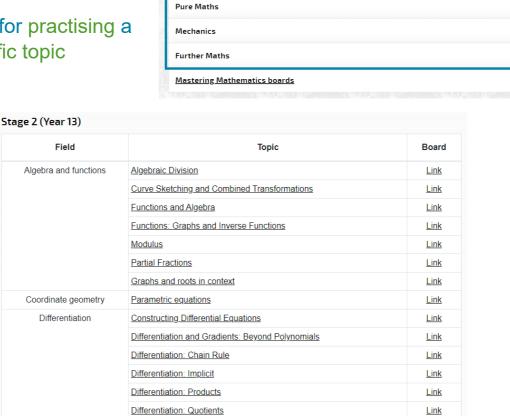
https://isaacphysics.org/pages/maths\_practice



Over 1000 past exam questions, arranged by topic

Ideal for practising a specific topic

Integration



Differentiation: Synoptic Problems

Area Between Two Curves

Integration by Substitution

Integration by substitution (trig)

Integration by Parts

Integration: General

These questions are also included in a different form in our Master Maths pages. If you wish to revise the whole of a

mathematics course rather than practise a specific concept, click here to go to Master Maths

If you are a teacher, you can set these boards to your class to practise individual skills

Click here for support on how to set homework.

<u>Link</u>

<u>Link</u>

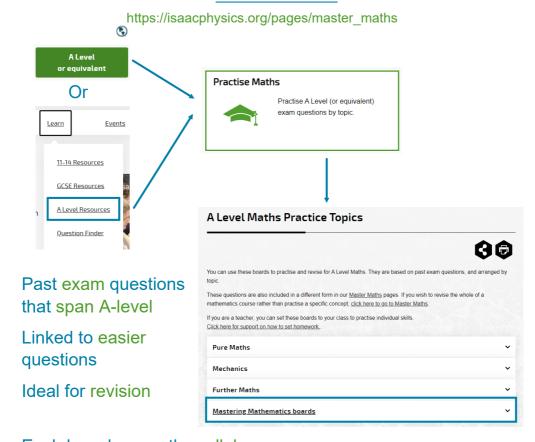
Link

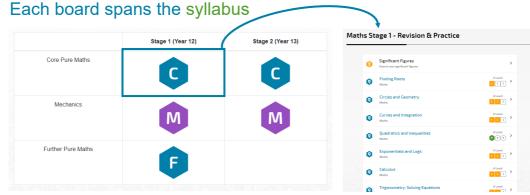
<u>Link</u>

<u>Link</u>

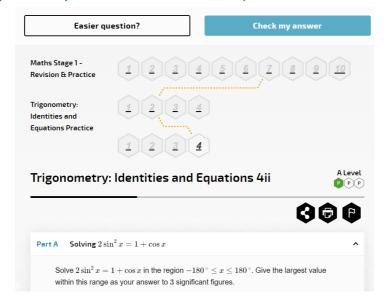
Link

#### **Master Maths**



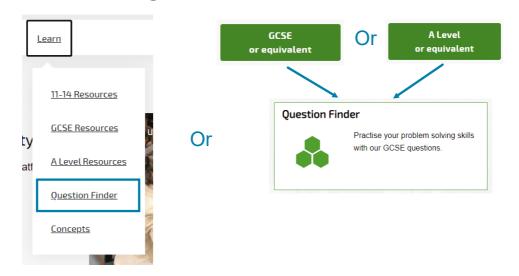


Each question part links to an easier question on the same topic

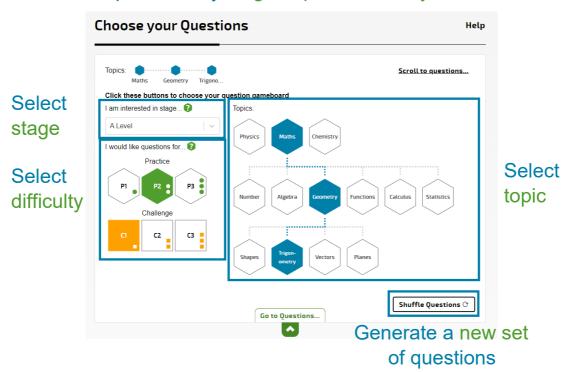


### **Question Finder**

https://isaacphysics.org/gameboards



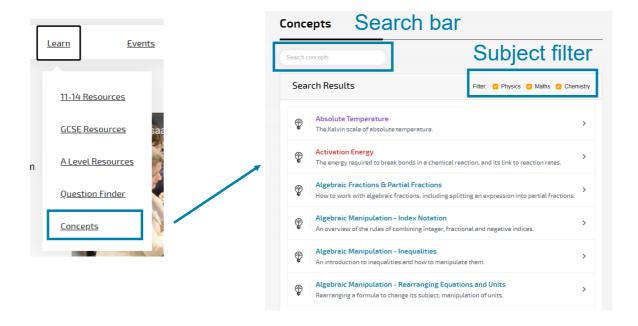
Search for questions by stage, topic or difficulty.



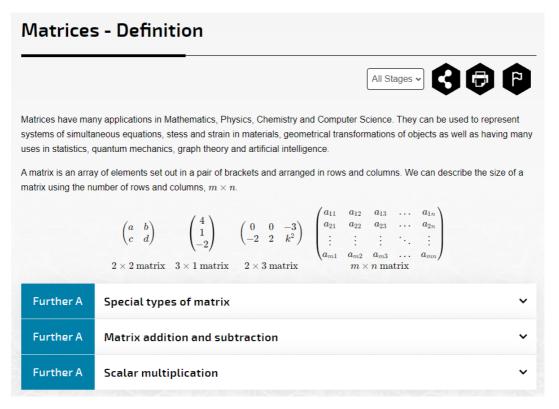


### **Concept Pages**

https://isaacphysics.org/concepts



## Concepts pages explain a concept in detail.



# **Question Types**

There are many different types of questions available on Isaac Physics. Here are some examples of different types.

Numeric	https://isaacphysics.org/questions/gcse_maths_ch2_11_q1
Symbolic	https://isaacphysics.org/questions/algebra_level2_ineq_5
Graph sketcher	https://isaacphysics.org/questions/sketch_reciprocal_trig
Cloze text	https://isaacphysics.org/questions/proof_surface_areas
Reorder	https://isaacphysics.org/questions/combined_transformations
Board link:	https://isaacphysics.org/gameboards#tcpd_newtoisaac_maths3