Isaac Maths Resources

GCSE Book

A-level Book

Practise Maths

Master Maths

Question finder

Concepts

https://isaacphysics.org/books/maths_book_gcse

3)

https://isaacphysics.org/books/pre_uni_maths

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https://isaacphysics.org/pages/maths_practice

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https://isaacphysics.org/pages/master_maths

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https://isaacphysics.org/gameboards

(5)

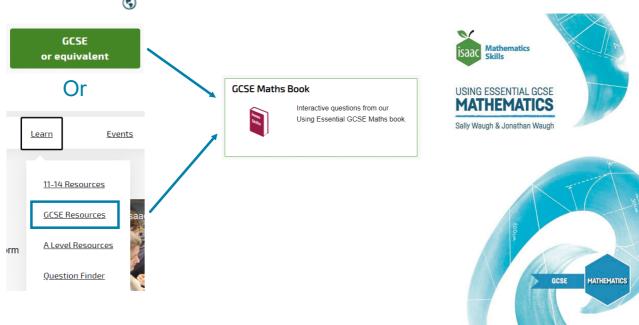
https://isaacphysics.org/concepts

(3)

Isaac Maths Resources October 31, 2022

GCSE Book

https://isaacphysics.org/books/maths_book_gcse



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



Teacher resources.

For Teachers

Specification Table - 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.

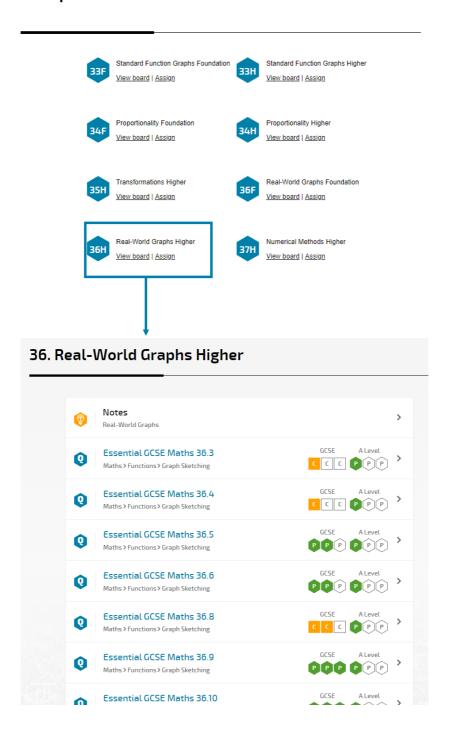
Maths Skills for GCSE Science - table of assumed skills for GCSE science courses.

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



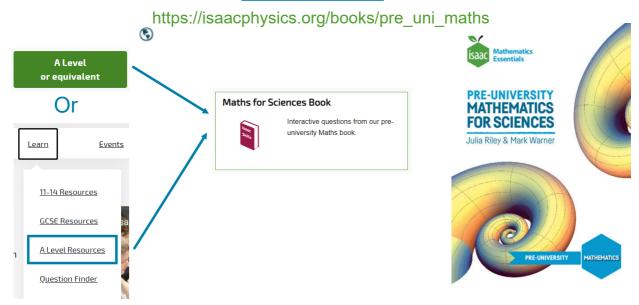
Questions in gameboards for each chapter.

Graphs



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



Specification table for teachers

For Teachers

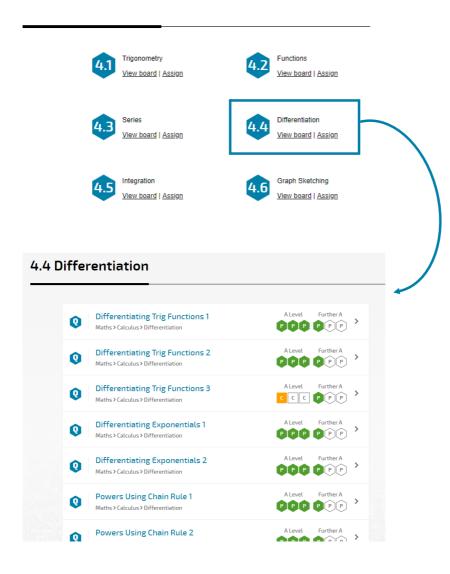
<u>Specification Table</u> - maps the book to your exam board.

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



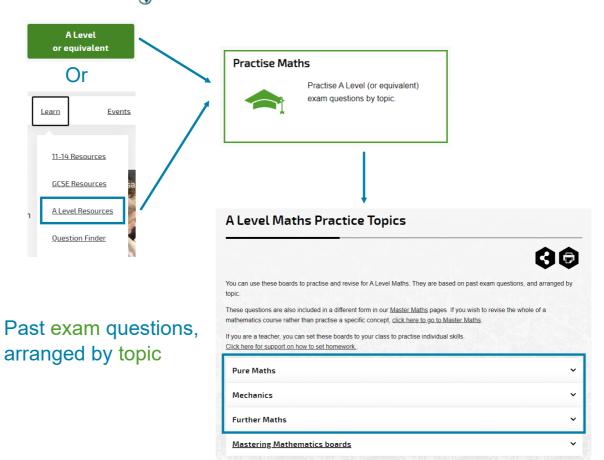
Questions in gameboards for each chapter.

Level 4



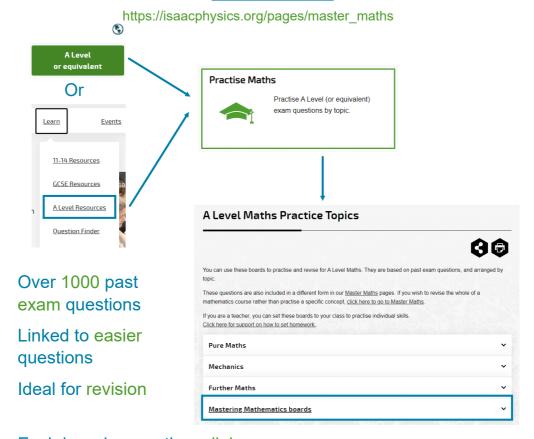
Practise Maths

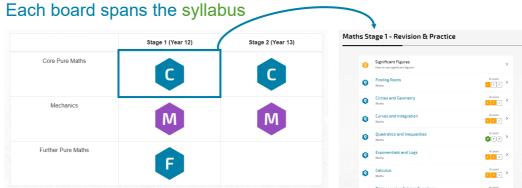
https://isaacphysics.org/pages/maths_practice



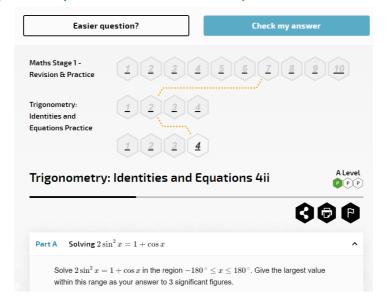
Field	Topic	Board
Algebra and functions	Algebraic Division	Link
	Curve Sketching and Combined Transformations	Link
	Functions and Algebra	Link
	Functions: Graphs and Inverse Functions	Link
	Modulus	Link
	Partial Fractions	Link
	Graphs and roots in context	Link
Coordinate geometry	Parametric equations	Link
Differentiation	Constructing Differential Equations	Link
	Differentiation and Gradients: Beyond Polynomials	Link
	Differentiation: Chain Rule	Link
	Differentiation: Implicit	Link
	Differentiation: Products	<u>Link</u>
	<u>Differentiation: Quotients</u>	<u>Link</u>
	Differentiation: Synoptic Problems	<u>Link</u>
Integration	Area Between Two Curves	Link
	Integration by Parts	Link
	Integration by Substitution	Link
	Integration by substitution (trig)	Link
	Integration: General	Link

Master Maths



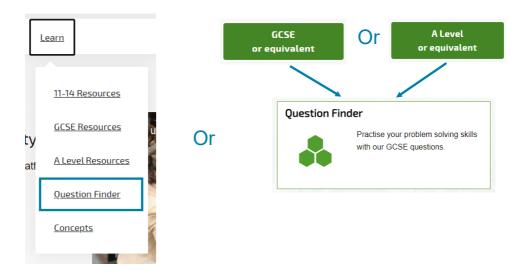


Each question part links to an easier question on the same topic

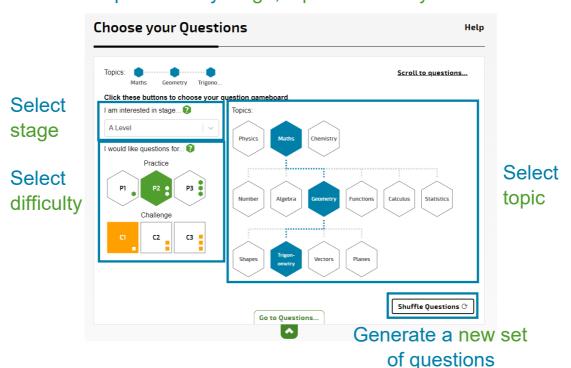


Question Finder

https://isaacphysics.org/gameboards



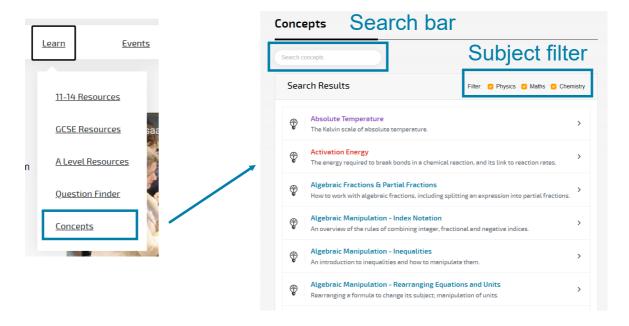
Search for questions by stage, topic or difficulty.



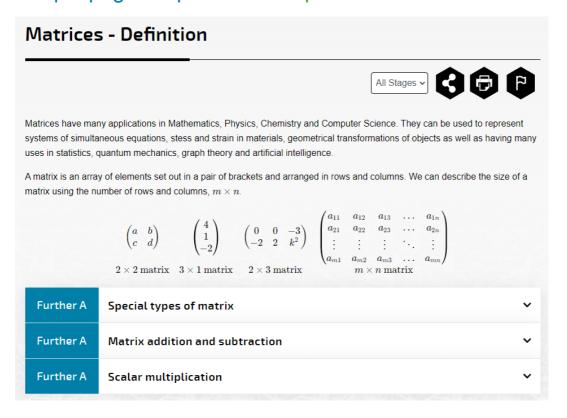
Save to My Gameboards Trigonometry Save board of Addition of Forces 2 c c c > questions Circles and Arcs 2 PPP > Maths > Geometry > Trigonometry Radians to Degrees 1 PPP > Oscillating Mass PPP > Maths > Geometry > Trigonometry Circles and Arcs 1 **^**

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