HGS MATHS

SIXTH FORM OPEN EVENING · A LEVEL

MATHEMATICS

WHY STUDY MATHEMATICS AT HGS?

- **The largest A Level subject at HGS**, following the Edexcel specification
- **A bespoke curriculum written by our department**, with every booklet on hgsmaths.com and access to Pearson textbooks
- **TMUA, STEP and interview preparation** within the curriculum
- **Many students achieve A* grades** and progress to leading Mathematics, Computer Science and Engineering degrees

COURSE AT A GLANCE

Grade 7+	11	3
GCSE Mathematics required	lessons a fortnight	final examinations

2026 RESULTS

A LEVEL MATHEMATICS

40% Grade A*–A

60% Grade A*–B

81% Grade A*–C

98% Grade A*–E

KING EDWARD VI HANDSWORTH GRAMMAR SCHOOL FOR BOYS

Explore our resources

hgsmaths.com

Discover our curriculum

Mathematics at HGS · school website

KING EDWARD VI ACADEMY TRUST BIRMINGHAM

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MATHEMATICS

THE RIGHT REASONS

GOOD REASONS	POOR REASONS
“I really enjoy mathematics”	“My parents told me to”
“I enjoy a challenge”	“My friends are taking it”
“My algebra is strong”	“I like the teachers”
“My degree requires it”	“It keeps my options open”

WHY WE REQUIRE GRADE 7

GCSE	A*	A	B	C	D or below
Grade 9	**45%**	37%	11%	5%	2%
Grade 8	7%	**29%**	25%	21%	17%
Grade 7	1%	9%	15%	26%	**49%**

A Level grades of all Edexcel students in 2019, by GCSE grade

ESSENTIAL FOR DEGREES IN

Mathematics · Physics · Engineering
Computer Science · Economics

It is also advantageous for Medicine, Chemistry, Biology, Psychology and Finance

TRY THESE PROBLEMS

If you enjoy these, A Level Mathematics may be for you.

Solve $\dfrac{20x^4y^2z^3}{7xy^5} \times \dfrac{14y^3}{40x^2z^3} = 5$

Evaluate $5\left(5\left(\dfrac{\sqrt{5}+5}{5}\right) \div 5^{5^{5-5}}\right) - \sqrt{5}$

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