

MATHEMATICS

ENTER THE MATHS ZONE (TV)

CH4 15 mins age: 11-14

A series that provides the starting point for work on key number and algebra concepts with the 11-14 maths curriculum.

NUMBERS

TH 0025	Orders please	TH 0270	Scaling the heights
TH 0078	Backwards	TH 0348	Primes and powers
TH 0134	Not all there		

ALGEBRA

TH 0428	Creases me up	TH 0643	The vegetable plot
TH 0498	Keep your balance	TH 0713	Variable behaviour
TH 0570	If at first you don't succeed		

MATHEMATICAL EYE (TV)

CH4 20 mins age: 11-14

Encourages pupils to tackle their own investigations and to solve both real and abstract problems.

TB 0061	Working things out	TB 1021	Fractions and percentages
TB 0139	Measurement	TB 1098	Graphs
TB 0223	Near enough	TB 1176	Information technology
TB 0304	Paper engineering	TB 1252	Numbers
TB 0385	Calculating	TB 1328	Probability
TB 0466	Fun and games	TB 1403	Number patterns: Odd, even and prime
TB 0548	Circles	TB 1479	Number patterns: Triangles and squares
TB 0628	Maps and co-ordinates	TB 1554	Number patterns: Fibonacci and others
TB 0709	Codes		
TB 0790	Statistics		
TB 0867	Areas and volumes		
TB 0944	Equations and formulae		

MATHS 4 REAL 1 (TV)

CH4 15 mins age: 14-16

A series intended to demonstrate the usefulness of mathematical concepts and their use in real-world situations with an emphasis on preparing for GCSE exams.

NUMBER AND ALGEBRA

TK 0751	Percentage changes	TK 0941	Straight line graphs
TK 0814	Standard form	TK 1002	Distance/Time graphs
TK 0880	Ratio and proportion		

SHAPE, SPACE AND HANDLING DATA

TK 1057	Pythagoras' theorem	TK 1219	Questionnaires
TK 1103	The sine ratio	TK 1278	Combined probability
TK 1176	Bearings		

MATHS 4 REAL 2 (TV)

CH4 15 mins age: 14-16

Following on from 'Maths 4 Real' this series employs animated graphics and other devices to enable students to use formula and other methods to understand mathematics.

TL 0677	Area of circles and composite shape	TL 0618	Calculating interest
TL 0691	Volumes of prisms	TL 0632	Quadratic functions
TL 0701	The tangent ratio	TL 0643	Rearranging formulae
TL 0711	Loci	TL 0654	Scatter graphs
TL 0724	Enlargement	TL 0666	Cumulative frequency

SEEING MATHEMATICS (TV)

CH4 120 mins age: 16+

A programme in five parts which takes a new and challenging look at the world of mathematics.

TG 0800	Designer rides	TG 0803	A language of movement
TG 0801	A source of inspiration	TG 0804	Building by numbers
TG 0802	Caught in time		

THE STATISTICS COLLECTION (TV)

BBC2 25 mins age: 16+

Covers the use of graphs, the design of questionnaires and statistical modelling. The programmes don't require knowledge of advanced level of higher mathematics but can provide starting points for statistical project work or investigation.

TE 0922	Surveys and services	TE 1188	Statistics and truth
TE 1011	Statistical trials	TE 1276	Calculated guesses
TE 1100	The best fit		

EQUINOX: WHAT'S IN A NUMBER? (TV)

CH4 60 mins age: general output

A programme about the origins of numbers as we know them in India in 500AD, the link between art and mathematics and the importance of numbers in understanding the world – even when we cannot grasp the simplest numerical context.

TV 4361 1 programme

GCSE BITESIZE REVISION: MATHS (TV)

BBC2 120 mins age: general output

Three programmes for the revision of aspects of GCSE mathematics.

TT 0236	Maths 1 – numbers and measures	TT 0238	Maths 3 – shape, space and data handling
TT 0237	Maths 2 – Algebra		

KEYSTAGE 3 BITESIZE REVISION (TV)

BBC2 120 mins age: general output

Programmes on aspects of mathematics.

- TV 8673 Maths 1
whole numbers, decimals, fractions, percentages, negative numbers, unitary method and time
- TV 8674 Maths 2
aspects of algebra, measures, shapes and space including expressions and number and patterns, perimeter and area, rotations, reflection
- TV 10245 Maths 3
number; graph work; handling data; probability

DISPATCHES: KIDS DON'T COUNT (TV)

CH4 60mins age: 14-18 2010

An examination of the absence of basic maths skills in British primary schools.

TV 10818A Shortcomings

TV 10818B Barton Hill PS