Acer Academy Maths Curriculum

Acer Academy (Part of KEMZE ACADEMY TRUST)

Week columns: 1–36

Year 7

Weeks	Topic
1–2	Number – Place value, ordering and rounding
3–4	Number – Four operations
5–6	Algebra – Sequences
7	Statistics – Averages and range
8	Number – Rounding & estimation
9–11	Number – Fractions, decimals and percentages
12–13	Geometry & Measure – Perimeter and area
14–15	Algebra – Algebraic notation
16–17	Number – Directed Number
18–20	Statistics – Graphing Data
21–23	Number – Properties of number
24–25	Number – Fractions and percentages of amounts
26–27	Algebra – Expressions and equations
28–30	Number – Speed, distance, time
31–33	Number – Add and subtract fractions
34–36	Geometry & Measure – Angles and polygons

Year 8

Weeks	Topic
1	Ratio, Proportion & rates of change – Ratio
2–4	Algebra – Algebraic Manipulation
5–6	Number – Multiply and divide fractions
7	Geometry & Measures – Symmetry and reflection
8–9	Ratio, Proportion & rates of change – Proportion and scale
10–12	Number – Percentages
13–15	Algebra – Co-ordinates and graphs
16–17	Geometry & Measures – Area, volume and density
18–19	Algebra – Equaltions and inequalities
20–21	Statistics – Interpret and represent data
22–24	Geometry & Measures – Angles in parallel lines and polygons
25–26	Algebra – Indices
27	Number – Standard Form
28–30	Probability – Tables and probabilty
31–32	Geometry & Measures – Circles
33–34	Statistics – Graphs and charts
35–36	Algebra – Sequences

Year 9

Weeks	Topic
1–2	Number – Properties of number
3–4	Geometry & Measures – Area and volume
5–6	Number – Percentages
7–8	Algebra – Equations, inequalities and formulae
9	Number – Fractions
10–11	Ratio, Proportion & rates of change – Rates
12	Number – Standard form
13–15	Algebra – Straight line graphs
16–17	Ratio, Proportion & rates of change – Ratio and proportion
18–20	Number – Maths and money
21–22	Geometry & Measures – Constructions and congruence
23–24	Algebra – Algebraic manipulation
25–26	Geometry & Measures – Pythagores' theorem
27–28	Algebra – Non-linear graphs
29–30	Probability – Sets and probability
31–32	Geometry & Measures – Transformation
33–34	Algebra – Simultaneous equations
35–36	Geometry & Measures – Trigonometry

Year 10

Weeks	Topic
1–2	Number – Percentages
3–4	Algebra – Algebraic manipulation
5–6	Ratio, Proportion & rates of change – Ratio and scale
7–8	Number – Percentages Work with fractions
9–10	Algebra – Equations, inequalities and formulae
11–12	Number – Non-calculator methods
13–14	Geometry & Measures – Perimeter, area and volume
15–16	Algebra – Quadratic expressions and equations
17–18	Probability – Probability
19	Number – Rounding and estimation
20–21	Geometry & Measures – Angles
22–23	Algebra – Straight line graphs
24–25	Statistics – Interpret and represent data
26	Algebra – Non-linear graphs
27–28	Geometry & Measures – Vectors
29–30	Statistics – Graphs and diagrams
31–32	Number – Factors and powers
33–34	Geometry & Measures – Pythagoras' theorem and trignometry
35–36	Algebra – Simultaneous equations

Year 11

Weeks	Topic
1–2	Geometry & Measures – Area & volume
3–4	Ratio, Proportion & rates of change – Ratio and proportion
5–6	Algebra – Sequences and proof
7	Number – Standard form
8–9	Geometry & Measures – Similarity and congruence
10	Probability – Set rotation and venn diagrams
11–12	Geometry & Measures – Work with circles
13–15	Algebra – Functions and graphs
16–17	Geometry & Measures – Angles, bearings and trigonometry
18	Ratio, Proportion & rates of change – Rates
19–20	Geometry & Measures – Construction and loci
21–22	Algebra – Equations and formulae
23–24	Geometry & Measures – Transformation
25–36	Revision and consolidation