

Year 7-9 curriculum overview Lent Term 2018

Lent first half term

CORE & Ebacc subjects

	Year 7	Year 8	Year 9
English	Non-fiction	Non-fiction	Non-fiction
Science	Organisms, Forces, The Earth	Energy	Chemical calculations; Electricity
Geography	Rivers	Ecosystems	Dangerous World project
German	School; Family & Friends	Shopping; Food	Free time; Food & drink
History	Medieval life	Stuarts	Medicine on the western front
Philosophy & Ethics	Is Jesus relevant today?	How can you be happy?	Who was to blame for the Holocaust?

Open Subjects at GCSE

Art	Perspective - introduction	Symmetry - drawing	Pattern - painting
Design & Technology	Salad Servers	Pencil Box	Completing Cam Toys project
Drama	Introduction to Shakespeare	Devising from stimuli	Devising from stimuli
PE	B: Football/Handball G: Netball/Handball	Hockey/Health related fitness Hockey/Volleyball	Hockey/Health related fitness Hockey/Volleyball
Music	Orchestral elements of music	Indonesian Gamelan	Film music/adverts

Lent second half term

CORE & Ebacc subjects at GCSE

	Year 7	Year 8	Year 9
English	Whole text novel	Whole text novel	Whole text novel
Science	Organisms, Forces, The Earth	Energy	Chemical calculations; Electricity
Geography	Rivers	Ecosystems	Dangerous World project
German	Family & friends; free time	Shopping; Food	Germany & customs
History	Medieval life	Tudor & Stuarts medicine	End of World War I/Treaty of Versailles 1919 Weimar Germany
Philosophy & Ethics	What is Lent?	What rights do humans have?	What is justice?

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Open Subjects at GCSE

Art	Perspective - painting	Symmetry – mixed media	Pattern - printing
Design & Technology	Beech wood Salad Servers	Pencil Box	Catapults and ballistas
Drama	Shakespeare in modern drama	Exploration of play text	Greek theatre
PE	B:Football/Handball G: Netball/Handball	Football/Handball Netball/Handball	Football/Handball Netball/Handball
Music	Introduction to Kodaly	Minimalism	Popular song settings to words

Maths

At Ixworth Free School we have devised a spiral curriculum in mathematics. In a spiral curriculum, learning is spread out over time rather than being concentrated in shorter periods. In a spiral curriculum, material is revisited repeatedly over months and across year groups. This spiralling approach is effective with all learners as it allows them to deepen their understanding of each topic over time. The regular re-visiting of familiar topics aids recall as well as mastery. In the table below, topics have been emboldened and listed on the left-hand side. On the right-hand side parents can see how these topics are made more challenging over time.

The table below also refers to 'levels'; these are GCSE levels (grades) and relate directly to the new GCSE specification.

Lent first half term Years 7, 8 and 9

	Levels 1 to 3	Levels 2 to 4	Levels 3 to 5	Levels 4 to 6+
Fractions and Negative Numbers (N1, N2 and N10)	Ordering Positives/Negatives Adding and Subtracting fractions with the same denominator	4 Operations with Fractions 4 Operations with Negative Numbers	4 Operations with Mixed Numbers	4 Operations with simple Algebraic Fractions Rationalise the denominator using Surds
Angles (G1, G3, G6 and G10)	Classify and Measure Angles Use angles on a straight line and around a point	Solve Angle problems: Interior and exterior angle as well as problems using parallel lines	Prove simple angle facts	Use the Circle theorems to find missing angles
Equations and Inequalities (A17, A19, A21, A22)	Solve 1 and 2 step equations and Inequalities Write an inequality on a number line	Solve Equations and Inequalities with unknowns on both sides Form and Solve equations	Solve Linear Inequalities using the elimination method	Solve Quadratic Inequalities
3d Shapes (G1 and G12)	Volume by counting Cubes Terms Vertices, Faces, Edges	Volume and Surface area of a Prism	Volume and Surface area of compound Prisms	Volume of Cones, Cylinders, Spheres and Pyramids

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Lent second half term Years 7, 8 and 9

	Levels 1 to 3	Levels 2 to 4	Levels 3 to 5	Levels 4 to 6+
Pythagoras and Trigonometry (G20 and G22)	Simple Pythagoras Squaring and Rooting numbers	Pythagoras of compound shapes	Simple Trigonometry	Sine and Cosine Rules
Similarity and Symmetry (R2, G5 and G19)	Identify Congruence / Similarity Enlarge shapes Rotational and line Symmetry	Use the terms SAS, SSS and ASA to prove congruence Similarity problems in 2d	Solve Similarity problems for 2d shapes including Areas	Solve similarity problems for 3d shapes including Volume
Constructions (G2, G13, G15 and A22)	Measuring Angles and Lines Drawing a Net and Plan and Side elevations	Construct a Triangle using SAS, SSS and ASA	Construct Perpendicular Bisectors and Angle Bisectors Solve problems involving Loci	Construct a bearing Identify an optimal region using inequalities
Probability (P1,P2,P3,P4, P6,P7,P8,P9)	Probability using words Probability of Single Events	Sample space diagrams Relative Frequency 2 way Tables	Tree Diagrams Frequency Trees	Using Venn Diagrams Set Notation