



King Egbert School Year 10 Curriculum

		CORE SUBJECTS									
Y10	Week	English	Maths Foundation	Maths Higher	Biology	Chemistry	Physics	Combined Biology	Combined Chemistry	Combined Physics	Lakes
HT 1	1	A Christmas Carol OR Jekyll and Hyde / Writing to Argue	Catch up	Trigonometry	Topic 1: enzymes, transport and biochem tests	C18 Rates	Topic 3 Motion: Conservation of energy	Topic 1: enzymes and transport	C18 Rates	Topic 3 Motion: Conservation of energy	Mental health / the cult of celebrity / harassment and peer- on-peer abuse / LGBTQ+ / sexting, up skirting and revenge porn
	2		Mean, range, mode, median, sampling	Linear, real life and quadratic graphs, cubic and reciprocal graphs		C3 & C4 Atoms, Elements, Atomic Structure			C3 Structure of an Atom, Atomic Number, Mass Number		
	3										
	4		Area, compound area and volume	Area, perimeter, circles, volume, reflection and rotation	C5 Ionic bonding	C4 Elements and Atomic Structure					
	5										
	6		Graphs: co-ordinates, gradient, $y=mx+c$, real life graphs	Area, perimeter, circles, volume, reflection and rotation	C6 Cov. Bonding	C5 Ionic bonding	Topic 4 & 5 Waves: Light and the EM spectrum				
	7										
	8		REVIEW	REVIEW	C7 Types of substance	C6 Cov. Bonding	Topic 4 & 5 Waves: Light and the EM spectrum				
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HT 2	10	Power and conflict poetry / Writing to Describe	Translation and reflection, rotation, enlargement, describing transformations	Enargement, construction, loci	Topic 9: Ecosystems	C8 Acids	Topic 9: Ecosystems	C7 Types of substance	Topic 6 Radioactivity	Equality / gender equality / anti-racism / prejudices / extremism / drugs awareness	
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HT 3	15	An Inspector Calls OR Lord of the Flies / Writing to Describe	Ratio, measures, proportion	Simultaneous and quadratic equations	Topic 7: Hormones	C9 Calculations	Topic 7: Hormones	C7 Types of substance	Topic 6 Radioactivity	Hinduism	
	16										
	17										
	18										
HT 4	19	Macbeth / Writing to Argue	Right-angled triangles: Pythagoras, trigonometry	Probabllity (mut. ex. events, ind. events, venn diagrams)	Topic 8:	C11 Obtaining and using metals	Topic 6 Radioactivity	C8 Acids	Topic 8 Energy	Crime and reponsibility, knife crime and county lines / crime and punishment, justice system and youth offenders	
	20										
	21										
	22										
HT 5	23	Macbeth / Writing to Argue	Probabllity: experimental, theoretical, venn and tree diagrams	Growth and decay, ratio and proportion	Topic 6: Plants and photosynthesis	C10 Electrolytic processes	Topic 7: Hormones	C8 Acids	Topic 9 Forces	Violent relationships and domestic abuse / FGM / body reponsibility / STIs / contraception review / knowing the right time	
	24										
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HT 6	27	Revision and Y10 Exam / Unseen Poetry	Percentages, compound measures, speed/distance/time	Congruence, similarity, 3D shapes, graphs, areas of triangles	Revision and Y10 Exam	C13 Transition metals	Topic 7: Hormones	C9 Calculation	Topic 10 Electricity (Including core practical)	Careers and post-16 progression	
	28										
	29										
	30										
HT 6	31	Revision and Y10 Exam / Unseen Poetry	Construction...	Exams	Revision and Y10 Exam	C12 Reversible reactions and	Topic 8	C11 Obtaining and using metals	Exams	Careers and post-16 progression	
	32										
	33										
	34										
HT 6	35	Revision and Y10 Exam / Unseen Poetry	...loci and bearings	Sine and cosine rule, transforming graphs	Revision and Y10 Exam	C15 Dynamic equilibrium	Topic 7: Hormones	C9 Calculation	Topic 10 Electricity (Including core practical)	Careers and post-16 progression	
	36										
	37										
	38										
HT 6	37	Revision and Y10 Exam / Unseen Poetry	REVIEW	REVIEW	Revision and Y10 Exam	C17 Groups and periodic table	Topic 8 Energy	C11 Obtaining and using metals	Electricity cont.	Careers and post-16 progression	
	38										
HT 6	37	Revision and Y10 Exam / Unseen Poetry	REVIEW	REVIEW	Revision and Y10 Exam	C19 Heat changes in reactions	Topic 8 Energy	C11 Obtaining and using metals	Electricity cont.	Careers and post-16 progression	
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		NON-CORE SUBJECTS																		
Y10	Week	Art	BTEC DIT	BTEC Sport	Business	Computing	DBE	Drama	DT	Fashion & Textiles										
HT 1	1	Y10 Media workshops	Component 1: Explaining and Using Interface Design Practicose and Project Planning (30%)	Applying the principles of personal training (25%)	<p><i>THEME ONE: Investigating Small Business</i></p> <p>1.1 Enterprise and entrepreneurship</p> <p>1.2 Spotting a business opportunity</p> <p>1.3 Putting a business idea into practice</p>	Boolean logic; Data storage; Units; Designing, creating and refining algorithms; Programming fundamentals; Data types; Practical programming skills	<p>Introduction</p> <p>Careers</p> <p>Sustainability</p> <p>Architecture in Sheffield</p> <p>Design Project</p> <p>Café in Hillsborough park</p>	Devising Drama	<p>Cardboard Chairs</p> <p>Product Analysis</p> <p>Modelling</p> <p>Testing and Evaluating</p> <p>Paper and Board</p> <p>Lego</p> <p>2D and 3D drawing</p> <p>Scale</p> <p>CAD</p> <p>3D Printing</p> <p>Polymers</p> <p>Properties</p> <p>Categories</p> <p>Bioplastic</p> <p>Production</p> <p>Metals</p> <p>Properties</p> <p>Categories</p> <p>Pewter Casting</p>	<p>Introduction:</p> <p>Drawing and observational skills. Using different media.</p> <p>Introduction to Textile techniques.</p> <p>Skills based workshops</p> <p>Pencil drawing-tonal</p> <p>Fineliner- Line drawing</p> <p>Watercolour & inks</p> <p>Freehand machining</p> <p>Silk painting</p> <p>Batik</p> <p>Soluble fabric</p> <p>Acrylic</p> <p>Pastels</p> <p>Wire drawings V&A</p> <p>Visit</p>										
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HT 2	9	Y10 Media workshops	Component 1: Explaining and Using Interface Design Practicose and Project Planning (30%)	Applying the principles of personal training (25%)	<p>1.4 Making the business effective</p> <p>1.5 Understanding external influences on business</p>	Additional programming techniques; Practical programming skills; Data storage (characters, images, sound); Architecture of the CPU; CPU performance	<p>Unit 1: Planning</p> <p>Potential of Construction projects</p>	Devising Drama	<p>Timber</p> <p>Properties</p> <p>Categories</p> <p>Pewter Casting</p> <p>Living hinges</p> <p>Plywood bending</p> <p>Textiles</p> <p>Properties</p> <p>Categories</p> <p>Patterns</p> <p>Making a pouch</p> <p>Mechanisms</p> <p>Lever's</p> <p>Gears</p> <p>Mechanical Advantage</p> <p>Input –Process- Output</p>	<p>Beatriz Milhazes Print:</p> <p>Research her work create a hand made book.</p> <p>Fashion Illustration:</p> <p>Using different methods, mediums and a variety of designers as inspiration.</p>										
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HT 3	17	Y10 National Gallery and V&A Project and visit	Component 1: Explaining and Using Interface Design Practicose and Project Planning (30%)	Applying the principles of personal training (25%)	<p>1.4 Making the business effective</p> <p>1.5 Understanding external influences on business</p>	Additional programming techniques; Practical programming skills; Data storage (characters, images, sound); Architecture of the CPU; CPU performance	<p>Unit 1: Planning</p> <p>Potential of Construction projects</p>	Presenting and Performing Texts: <i>Kinder-transport</i>	<p>Timber</p> <p>Properties</p> <p>Categories</p> <p>Pewter Casting</p> <p>Living hinges</p> <p>Plywood bending</p> <p>Textiles</p> <p>Properties</p> <p>Categories</p> <p>Patterns</p> <p>Making a pouch</p> <p>Mechanisms</p> <p>Lever's</p> <p>Gears</p> <p>Mechanical Advantage</p> <p>Input –Process- Output</p>	<p>Beatriz Milhazes Print:</p> <p>Research her work create a hand made book.</p> <p>Fashion Illustration:</p> <p>Using different methods, mediums and a variety of designers as inspiration.</p>										
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HT 4	25	Y10 National Gallery and V&A Project	Component 1: Explaining and Using Interface Design Practicose and Project Planning (30%)	Applying the principles of personal training (25%)	<p>1.4 Making the business effective</p> <p>1.5 Understanding external influences on business</p>	Additional programming techniques; Practical programming skills; Data storage (characters, images, sound); Architecture of the CPU; CPU performance	<p>Unit 1: Planning</p> <p>Potential of Construction projects</p>	Presenting and Performing Texts: <i>Kinder-transport</i>	<p>Timber</p> <p>Properties</p> <p>Categories</p> <p>Pewter Casting</p> <p>Living hinges</p> <p>Plywood bending</p> <p>Textiles</p> <p>Properties</p> <p>Categories</p> <p>Patterns</p> <p>Making a pouch</p> <p>Mechanisms</p> <p>Lever's</p> <p>Gears</p> <p>Mechanical Advantage</p> <p>Input –Process- Output</p>	<p>Beatriz Milhazes Print:</p> <p>Research her work create a hand made book.</p> <p>Fashion Illustration:</p> <p>Using different methods, mediums and a variety of designers as inspiration.</p>										
	26																			
	27																			
	HT 5										28	Y10 YSP Project and visit	Component 3: Effective Digital Working Practices (40%)	Anatomy and physiology (25%)	<p><i>THEME TWO: Building a Business</i></p> <p>2.1 Growing the business</p>	Embedded systems; Primary storage (memory); Secondary storage; Networks and topologies; Wired and wireless networks; Revision	<p>Unit 1:</p> <p>Externally set assignment</p> <p>6hr examination</p> <p>Unit 2:</p> <p>Scale drawings</p> <p>Site plans</p> <p>Elevations</p> <p>Sections</p>	Devising Drama (30% of GCSE)	<p>Energy</p> <p>Review of Materials and Properties</p> <p>Paper and Board</p> <p>Timbers</p> <p>Polymers</p> <p>Metals</p> <p>Textiles</p> <p>Start NEA</p> <p>Exploring Briefs</p> <p>Client</p> <p>Product Analysis</p>	<p>Felting:</p> <p>Look at a felting artist and create a small felted image.</p> <p>Fabric manipulation: Choose a colour way to work with</p> <p>Testing and sampling</p> <p>Burning</p> <p>Tyvek and Lutradur</p> <p>Cutting and slashing</p> <p>Shibori</p> <p>Tucks/ decorative tucks</p> <p>Weaving</p> <p>Shirring elastic</p>
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HT 6		33	Y10 YSP Project	Component 3: Effective Digital Working Practices (40%)	Anatomy and physiology (25%)	<p>2.1 Growing the business</p>	Embedded systems; Primary storage (memory); Secondary storage; Networks and topologies; Wired and wireless networks; Revision	<p>Unit 1:</p> <p>Externally set assignment</p> <p>6hr examination</p> <p>Unit 2:</p> <p>Scale drawings</p> <p>Site plans</p> <p>Elevations</p> <p>Sections</p>	Devising Drama (30% of GCSE)	<p>Energy</p> <p>Review of Materials and Properties</p> <p>Paper and Board</p> <p>Timbers</p> <p>Polymers</p> <p>Metals</p> <p>Textiles</p> <p>Start NEA</p> <p>Exploring Briefs</p> <p>Client</p> <p>Product Analysis</p>	<p>Felting:</p> <p>Look at a felting artist and create a small felted image.</p> <p>Fabric manipulation: Choose a colour way to work with</p> <p>Testing and sampling</p> <p>Burning</p> <p>Tyvek and Lutradur</p> <p>Cutting and slashing</p> <p>Shibori</p> <p>Tucks/ decorative tucks</p> <p>Weaving</p> <p>Shirring elastic</p>									
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