

Penwortham Priory Academy Year 10 Curriculum Plan

	Autumn Half term 1	Autumn Half term 2	Spring Half term 1	Spring Half term 2	Summer Half term 1	Summer Half term 2
English	Poetry Anthology – Theme of War. An introduction to ‘A Christmas Carol’. Letter writing.	A Christmas Carol – extended study. Article writing.	Poetry Anthology – Theme of Love English Lang Comp 2 Reading skills.	Poetry Anthology – Theme of Nature. An introduction to ‘An Inspector Calls’.	Poetry Anthology – Theme of Nature. An Inspector Calls. Review writing.	Poetry Anthology – Theme of Place. Travel/Guide writing. Review of ‘An Inspector Calls’, ‘A Christmas Carol’ and English Language Comp 2.
Maths	Congruence, similarity & enlargement Trigonometry	Representing solutions of equations & inequalities Simultaneous equations	Angles & bearings Working with circles Vectors	Ratios & fractions Percentages & Interest Probability	Collecting, representing & interpreting data Non-calculator methods	Types of number & sequences Indices & roots Manipulating expressions
Science	B2 Organisation B4 Energetics C2 Chemical bonding P2 Electricity		B2 Organisation B4 Energetics C5 Energy Changes P4 Particles	B3 Infection and response C3 Quantitative Chemistry P3 Particles	B5 Homeostasis C4 Chemical Changes P5 Forces	
French	Nous sommes famille! Theme 1 - Me, my family and Friends	Entre amis Theme 1 - Me, my family and Friends	Que faire quand il pleut des cordes ? Theme 2 - Free-time	C’est la fête ! Theme 1 - Customs and Festivals	Bienvenue chez-nous ! Theme 2 - Home, town, neighbourhood and region	Le monde en danger Global Issues 2
History	In what ways did US society change in the years 1920-1945?	In what ways did US society change in the years 1945-1973?	What was the impact of the Treaty of Versailles?	How successful was the League of Nations?	Why were we unable to stop a Second World War? How much change was there in medicine c.1000- c.1400?	
Geography	Paper 2 Changing Cities		Paper 1 Weather Hazards and Climate Change		Paper 2 Global Development	
RE	Christian Belief	Christian Practice	Islam Beliefs	Islam Practice	Relationships	Life after death
Art and Design	How can the visual theme ‘NOSTALGIA’ be developed into a GCSE outcome, utilising contextual research and observations?		How can the visual theme ‘NOSTALGIA’ be developed into a GCSE outcome, through experimentation and planning?		How can the visual theme of personal choice be developed into a GCSE extended outcome, utilising contextual research and observations?	

Child Development	Child development. Aspects of holistic development.	Factors that influence a child's development	Care routines, play and activities to support a child	Early years provision	Legislation, policies and procedures in early years	Expectations within the workplace. Roles and Responsibilities
Computer Science	<u>Programming – Practical</u> Developing programming skills using Python	<u>Logic & Truth Tables</u> How data is processed within a computer <u>Programming Languages</u> Difference between High level and low level programming languages	<u>Data Storage & Compression</u> Looking at units of data and how it can be compressed to increase storage space <u>Data Representation</u> Understanding how text, images and sound are processed by a computer	<u>Cybersecurity</u> Investigating threats to data and how to protect against them	<u>Binary</u> How computer process data	<u>Programming Theory & Practical</u> Developing programming skills using Python
Drama	Exploring the Performing Arts: Examine professional practitioner's performance work	Exploring the Performing Arts: Roles, responsibilities and the application of relevant skills and techniques	Exploring the Performing Arts: Practitioners' work and the processes and practices that contribute to a range of performance styles	Exploring the Performing Arts: Explore the interrelationships between constituent features of existing performance material	Developing Skills and Techniques in the Performing Art	How can developing techniques and skills have a positive impact on a piece of theatre?
Engineering	Understanding the Engineering World – How do Engineers solve problems? Where can Engineering take you? An exploration into the different branches of Engineering and careers associated with it, interspersed with linked practical exercises.	Navigating the Engineering World – What would happen without health and safety? How do you communicate an idea? Students study safety associated with Engineering using a practical project. This includes how to interpret Engineering drawing and units of measurement.	STEM and Engineering – Why do Science and Maths appear in Engineering? Students will understand how to apply SI units of measurement to their work and begin to explore materials and their properties.	Engineering Drawings – Can anyone understand an idea? Students will learn how to create and read engineering drawings using British Standard Conventions – both by hand and digitally.	Engineering Materials – Can a material be 'smart'? An in depth look at materials used in Engineering and how they can be used to realise ideas. Students will gain practical experience of working with these materials.	Engineering Tools – Does it matter what tools you use? Students will explore what tools are available to them to complete more complex Engineering challenges.
Food Preparation and Nutrition	Introduction to the course. What are nutrients? What happens when we have them in excess or are deficient? Nutrition at different life stages		How do lifestyle and diet impact nutrition, choices and health? How can diet and illness be related? What is Food Science?		What are the factors that affect our food choices? What is an NEA in Food Preparation and Nutrition? Practice NEA projects	

Graphic Design	<p>Components of Graphic Design</p> <p>Components Line Colour Tone Composition Typography Imagery</p> <p>Visual language of graphic design Graphic design principles</p>	<p>Work of Graphic Designers</p> <p>Types of graphic design work Employment opportunities in graphic design</p>	<p>Requirements of a Graphic Design Brief</p> <p>Types of graphic design briefs</p> <p>Graphic design brief requirements</p> <p>Design constraints</p>	<p>Planning, Experimentation, and Development</p> <p>Planning and development processes</p> <p>Stages of the development process Techniques, components and properties Experimenting with tools, materials and techniques Components of graphic design</p> <p>Tools Materials Techniques Ongoing review</p>	<p>Graphic Design Production</p> <p>Digital technical skills</p> <p>Effective use of resources</p> <p>Summative evaluation</p>	<p>Design, Present and Promote Graphic Design Work</p> <p>The purpose of displaying, presenting and promoting graphic design work</p> <p>Ways to display, present and promote graphic design work</p> <p>Self-promotion</p> <p>Considerations when displaying, presenting and promoting work</p>
BTEC Digital IT	Component 1 – Exploring user interface design principles and project planning techniques				Component 2 – Collecting, presenting and interpreting data	
PE VCert	Unit 1 - Understand the effects of health and fitness activities on the body. Identify short term effects and long-term adaptations of exercise on the body.	Unit 1 - Understand health and fitness and the components of fitness. Define and give examples of the health and skill components of fitness.	Unit 1 - Understand the principles of training. Using the acronyms of SPORT and FITT be able to apply the principles of training to different training methods.	Unit 1 - Exam Preparation - Revision	Unit 2 - Understand the impact of lifestyle on health and fitness. Know the NHS guidelines for a healthy lifestyle. Understand what a balanced diet is and how this can affect an athlete.	Unit 2 - Understand how to test and develop components of fitness. Identify tests and protocol for each of the components of fitness.
PE GCSE	Component 4 – Practical Performances					
	Component 1 – 1.1 Applied anatomy and physiology		1.2 Physical Training	Component 2 – 2.1 Socio-cultural influences	2.2 Sports psychology	2.3 Health, fitness and wellbeing
Business and Enterprise	LO1 – Business Organisation		LO2 – Marketing Mix		LO3 – Human Resources	LO4 – Operations Management