HAJC6 WHOLE SCHOOL CURRICULUM OVERVIEW 2020/21

YEAR 11

SUBJECT:	English	Maths - Foundation	Maths - Higher	Science: Combined	Science Triple: Biology	Science Triple: Chemistry	Science Triple: Physics	Art	Art - Photography	Business Studies 11B & 11D	Business Studies 11C	Computer Science	Design & Technology: Engineering	Design & Technology: Food & Nutrition	Design & Technology: Textiles	Geography	Health and Social Care/Childcare	Health and Childcare	History	ICT	Languages - French	Languages - Spanish	P: Core	PE GCSE: Theory	PE GCSE: Practical	Performing Arts: Dance	Performing Arts: Drama	Performing Arts: Music	Public Services: Unit 2 Working Skills in the Public Services (Coursework Only)	Public Services: Unit 4 Public Services & Community Protection (Coursework Only)	Religious Studies
AUTUMN 1	English Language Paper 1A: Explorations in Creative Reading and Writing. Revision of Modern Play: An Inspector Calls by J B Priestley con.. Homework focus: GCSE English Language	[Unit 13 - Probability] ● Calculate simple probabilities from equally likely events. ● Use two-way tables to record the outcomes from two events. ● Work out probabilities from sample space diagrams. ● Find and interpret probabilities based on experimental data. ● Use Venn diagrams to work out probabilities. ● Understand the language of sets and Venn diagrams. ● Use frequency trees and tree diagrams. ● Work out probabilities using tree diagrams. ● Understand independent events. ● Understand when events are not independent. [Unit 14 - Multiplicative Reasoning] ● Calculate a percentage profit or loss. ● Find the original amount given the final amount after a percentage increase or decrease ● Find an amount after repeated percentage change. ● Convert between metric speed measures. ● Calculate average speed, distance and time. ● Use formulae to calculate speed and acceleration.	[Unit 13 - Further Trigonometry] ● Understand and use upper and lower bounds in calculations involving trigonometry. ● Understand how to find the sine of any angle. ● Know the graph of the sine function and use it to solve equations. ● Understand how to find the cosine of any angle. ● Know the graph of the cosine function and use it to solve equations. ● Understand how to find the tangent of any angle. ● Know the graph of the tangent function and use it to solve equations. ● Find the area of a triangle and a segment of a circle. ● Use the sine rule to solve 2D problems. ● Use the cosine rule to solve 2D problems. ● Solve bearings problems using trigonometry. ● Use Pythagoras' theorem in 3D. ● Use trigonometry in 3D.	Inheritance Rate and extent of chemical change Electricity	Homeostasis and response	Quantitative	Electricity		Completion of Film Noir coursework project. Sequence of Images that make links to all the research already carried out including ... Duane Michealis , Cindy Sherman, Typography, Graphic art, TV & Film, Composition body positions and facial expressions.	Paper 1 - Unit 2 - Marketing - 2.3 Market Segmentation, 2.4 Marketing Mix	Teacher 1 - Paper 1 Unit 2 - Marketing - 2.3 Market Segmentation, 2.4 Marketing Mix. Teacher 2 - Paper 2 Unit 4 - Operations - 4.1 Production Process, 4.2 Quality of Goods and services	Algorithms	Component 2 Assignment 1 Preparation: Fixing Methods, Processes and Materials.	Requirements of year 11 course. NEA1 - Food Investigation Task controlled assessment (15% of GCSE grade).	NEA Project complete investigation section, specification and design ideas. Theory work: drawing methods	Urban Environments	Component 3 Health and Well-being - factors affecting health and well-being (Exam).	Component 3 Supporting children to play, learn & develop - individual circumstances. (Exam)	GCSE Paper 3 - English Reformation - How did Edward VI change the Church? How did he enforce the changes? How did the people react?	Investigate uses of data Unit 2	Home, town, neighbourhood, Charity work		Invasion Games	Sports Psychology Unit & Coursework	Netball & Badminton- Application & Decision Making	Set dances, theory recap exam technique. Theory Artificial Things	Devising unit and live theatre reviews	Coursework	Topic A.2: Working skills within public service sector groups Using appropriate communication skills with customers of the public services	Topic A.1 Types of communities (continued) Topic A.2 How the public services serve the needs of particular communities	Islam: beliefs and teachings God Sacred texts Worship Action
AUTUMN 2	Revision of Modern Play: An Inspector Calls by J B Priestley cont.... Creative/ Narrative writing. Revision of Prose Text: The Strange Case of Dr Jekyll and Mr Hyde by Robert Louis Stevenson. Homework focus: GCSE English Language Writing.	[Unit 15 - Constructions and Bearings] ● Recognise 3D shapes and their properties. ● Understand and draw plans and elevations of 3D shapes. ● Make accurate drawings of triangles using a ruler, protractor and compasses. ● Identify congruent triangles ● Draw diagrams to scale. ● Use scales on maps and diagrams to work out lengths and distances. ● Accurately draw angles and 2D shapes using a ruler, protractor and compasses. ● Recognise nets and make accurate drawings of nets of common 3D objects. ● Draw accurately using rulers and compasses. ● Bisect angles and lines using rulers and compasses. ● Find and use three-figure bearings. ● Use angles at parallel lines to work out bearings. [Unit 16 - Quadratics] ● Multiply double brackets. ● Square single brackets. ● Plot graphs of quadratic functions. ● Recognise a quadratic function. ● Factorise quadratic expressions.	[Unit 14 - Further Statistics] ● Understand how to take a stratified sample. ● Draw and interpret cumulative frequency tables and diagrams. ● Work out the median, quartiles and interquartile range from a cumulative frequency diagram. ● Find the quartiles and the interquartile range from stem-and-leaf diagrams. ● Draw and interpret box plots. ● Draw and interpret histograms. ●Compare two sets of data. [Unit 15 - Algebra - Further Graphs] ● Solve simultaneous equations graphically. ● Represent inequalities on graphs. ● Recognise and draw quadratic functions. ● Solve quadratic equations using an iterative process. ● Find the roots of cubic equations. ● Sketch graphs of cubic functions. ● Solve cubic equations using an iterative process.	Homeostasis and response Rates and extent of chemical change Quantitative Electricity	Homeostasis and response	Quantitative	Electricity		Introduction to Landscape photography coursework project. Students develop skills and understanding of the following areas... Gradient maps, lens filters Serif photo plus manipulation, HDR MOCK EXAM **Developing / refining creative coursework ideas. AO1 AO2 Recording and presenting creative a coursework project. AO1 AO2**	Paper 2 Unit 4 - Operations - 4.1 Production Process, 4.2 Quality of Goods and services, 4.3 - The sales process and customers service, 4.4 Consumer Law, 4.5 Business Location, 4.6 Working with suppliers	Teacher 1 - Unit 2 Marketing including - 2.4 Marketing Mix. Teacher 2 - Unit 4 - Operations including 4.3 - The sales process and customers service, 4.4 Consumer Law, 4.5 Business Location, 4.6 Working with suppliers	NEA Project	Component 3 Exam Preperation	Introduction & outline of NEA2 Food Preparation Task controlled assessment (35% of GCSE grade). Section A - task analysis & research. Mock exam.	NEA Project review of initial ideas, development through drawing, review of chosen idea, construction and decoration samples. Theory topics: woods, metals, polymers, papers & boards.	Urban Environments Living World	Component 3 Health and Well-being - factors affecting health and well-being (Exam).	Component 3 Supporting children to play, learn & develop - individual circumstances. (Exam)	GCSE Paper 1 - Cold War What is the Cold War? What is the difference between Capitalism and Communism? Confrontations - Berlin Blockade, Marshall Plan, Cuban Missile Crisis, Berlin Wall, Vietnam. End of the Cold war.	Create a dashboard - data management unit 2	Region, environment, social issues. Homelessness		Leadership	Commercialisation Unit and Coursework	Basketball & Swimming- Application & Decision Making	Set dance exam. Choreography exam paper introduced and research begins. Theory recap Infra & A Linha Curva. Artifical Things continues.	Devising unit and Blood Brothers leading to mock/ live theatre assessments	Coursework	Topic A.2: Working skills within public service sector groups Using appropriate communication skills with customers of the public services Complete Assignment 1	Topic A.2 How the public services serve the needs of particular communities (continued) Complete Assignment 1:	Islam: beliefs and teachings God Sacred texts Worship Action
SPRING 1	OCR Conflict poetry anthology. Transactional Writing. Homework focus: Conflict poetry.	[Unit 17 - Circles] ● Calculate the circumference of a circle. ● Work out the area of a circle. ● Give answers in terms of π. ● Work out areas of semicircles and quarter circle and perimeters. ● Solve problems involving sectors of circles. ● Work out the volume and surface area of cylinders, pyramids, cones and spheres. [Unit 18 - Fractions, Indices and Standard Form] ● Multiply and divide mixed numbers and fractions. ● To know and use the laws of indices. ● Write large and small numbers in standard form. ● To multiply and divide numbers in standard form. ● To add and subtract numbers in standard form.	[Unit 16 - Circles] ● Find missing angles using these theorems and give reasons for answers. ● Solve angle problems using circle theorems. ● Find the equation of the tangent to a circle at a given point [Unit 17 - Extended Algebra and Surds] ● Change the subject of a formula where the subject appears twice. ● Add and subtract algebraic fractions. ● Multiply and divide algebraic fractions. ● Simplify algebraic fractions. ● Simplify expressions involving surds. ● Expand expressions involving surds. ● Rationalise the denominator of a fraction. ● Solve equations that involve algebraic fractions. ● Use function notation. ● Find composite functions. ● Find inverse functions. ● Prove a result using algebra.	Variation and evolution Ecology Quantitative Chemical analysis Forces	Variation and evolution	Organic	Forces	GCSE EXAM STARTS Develop - students develop ideas based upon research Refine - Students experiment with Materials, techniques and processes in order to refine individual projects . Record - Students record images using a range of traditional and modern creative techniques . Present - Students present work that visually communicates a message or theme.	**GCSE EXAM STARTS Develop** - students develop ideas based upon research **Refine** - Students experiment with Materials, techniques and processes in order to refine individual projects . **Record** - Students record images using a range of traditional and modern creative techniques . **Present** - Students present work that visually communicates a message or theme.	Paper 2 Unit 5 - Finance and Paper 2 Unit 6 - Influences on Business	Teacher 1 - Paper 2 Unit 5 Finance. Paper 2 Teacher 2 Unit 6 Influences on Business	Computer systems	Component 2 Assignment 2 Preparation:	NEA2 controlled assessment continued. Section B - produce 4 trial dishes. Section C&D - final dishes & plan for practical examination (three dishes in three hours).	NEA Project pattern pieces, toiles, sizing, presentation drawing. Manufacture chosen product. Theory work: Costs & scales of production.	Living World Economic Development	Component 3 Health and Well-being - Interpreting health indicators. (Exam)	Component 3 Supporting children to play learn & develop - safe environments for play 0-5 years (Exam)	GCSE Paper 2 - Power 1688-2014 How did the lower classes, and women, become part of the political system? How did power move from the Monarch to Parliament? How is devolution changing the system again?	Exam resits - Create a dashboard - data management unit 2	Healthy living, travel & tourism		Healthy Active Lifestyles & Classes	Ethics Unit & Engagement Patterns Unit	Rugby & Football Application & Decision Making	Choreography and Duets. Theory Shadows.	Unit 2 - DNA play assessments and portfolios	Rock, pop and music for games	Topic B.1: Using team and working skills in the public service sector Applying working skills in the public service sector through teamwork: o Participation NHS Health Awareness Campaign	Topic B.1 Hazards and risks Topic B.2 Individuals involvement in community protection	Relationships and families The Family Marriage and divorce Sex and relationships
SPRING 2	Revision of Shakespeare text (Macbeth OR Romeo and Juliet). Homework focus: Paper Two Writing.	[Unit 19 - Congruence, Similarity and Vectors] ● Use similarity to solve problems. ● Recognise congruent shapes. ● Use congruence to work out unknown angles. ● Use congruence to work out unknown sides. ● Add and subtract vectors. [Unit 20 - Further Algebra] ● Solve simultaneous equations algebraically. ● Change the subject of a formula. ● Prove results using algebra.	[Unit 18 - Vectors] ● Understand and use vector notation. ● Calculate the resultant of two vectors. ● Solve problems using vectors. ● Prove lines are parallel. ● Prove points are collinear. [Unit 19 - Functions and Proportions] ● Write and use equations to solve problems involving direct and inverse proportion. ● Solve problems involving square and cubic proportionality. ● Recognise graphs of exponential functions. ● Sketch graphs of exponential functions. ● Calculate the gradient of a tangent at a point. ● Estimate the area under a non-linear graph. ● Understand the relationship between translating a graph and the change in its function notation. ● Understand the effect stretching a curve parallel to one of the axes has on its function form. ● Understand the effect reflecting a curve in one of the axes has on its function form.	Ecology Chemical analysis Forces	Variation and evolution	Organic	Forces	Develop - students develop ideas based upon research Refine - Students experiment with Materials, techniques and processes in order to refine individual projects . Record - Students record images using a range of traditional and modern creative techniques . Present - Students present work that visually communicates a message or theme.	**Develop** - students develop ideas based upon research **Refine** - Students experiment with Materials, techniques and processes in order to refine individual projects . **Record** - Students record images using a range of traditional and modern creative techniques . **Present** - Students present work that visually communicates a message or theme.	Revision for Paper 1.	Teacher 1 - Revision for Paper 1. Teacher 2 - Revision for Paper 2.	Cyber security	Component 3 Exam Preperation for Retake Students	NEA2 controlled assessment continued. Section C - analysis & evaluation. Revision for exam -food nutrition & health, nutritional needs, cooking of food & heat transfer,	Complete NEA product, evaluation and life cycle analysis. NEA submitted for final assessment. Theory work electronics, composites and revision topics.	Economic Development Unseen Discussion	Component 3 Health and Well-being - Interpreting health indicators. (Exam)	Component 3 Supporting children to play learn & develop - safe environments for play 0-5 years (Exam)	GCSE Paper 1 - Interpretations Historical theories about the Causes of the Cold War and Appeasement. Historiography - why do historians' views differ? Who said what?	Review data presentation Unit 3	My studies Life at school/college		Net & Wall Games	Diet Unit & Revision	Handball & Athletics Application & Decision Making	Choreography and Duets continue. Theory Emancipation of Expressionism and Within Her Eyes.	Unit 2 - DNA external examiner and assessment	The concerto through time	Topic B.1: Using team and working skills in the public service sector Applying working skills in the public service sector through teamwork: o Participation in a road traffic accident simulation	Topic B.3 Types of multi-agency working	Relationships and families The Family Marriage and divorce Sex and relationships
SUMMER 1	Revision of Prose Text: The Strange Case of Dr Jekyll and Mr Hyde by Robert Louis Stevenson. Homework focus: Shakespeare and Jekyll and Hyde.			Ecology Living resources and electrolysis Forces	Ecology	Living resources and electrolysis	Magnetism	Develop - students develop ideas based upon research Refine - Students experiment with Materials, techniques and processes in order to refine individual projects . Record - Students record images using a range of traditional and modern creative techniques . Present - Students present work that visually communicates a message or theme.	**Develop** - students develop ideas based upon research **Refine** - Students experiment with Materials, techniques and processes in order to refine individual projects . **Record** - Students record images using a range of traditional and modern creative techniques . **Present** - Students present work that visually communicates a message or theme.	Revision for Paper 2.	Teacher 1 - Revision for Paper 1. Teacher 2 - Revision for Paper 2.	Ethical, legal , environmental issues		Revision for exam - functional & chemical properties of food, food spoilage & contamination, food safety, factors affecting food choice, British & international cuisine, environmental impact & sustainability, processing of food.	Revision of core and textiles topics. GCSE Exam.	Revision	Component 3 Revision for exam	Component 3 Revision for exam	REVISE	Review data presentation Unit 3	Education post-16 Jobs, career choices and ambitions and speaking practice		Summer Sports	Post Papers & Revision	Revision	Practical exams. Theory revision. Exam technique	Exam work - theory	exam prep	Complete Assignment 2	Topic B.3 Types of multi-agency working (continued) Complete Assignment 2	Religion, peace and conflict Justice Forgiveness and reconciliation Protest and terrorism War and peace
SUMMER 2	N/A			Forces Chemistry of the atmosphere Magnetism	Ecology	Living resources and electrolysis	Space	Develop - students develop ideas based upon research Refine - Students experiment with Materials, techniques and processes in order to refine individual projects . Record - Students record images using a range of traditional and modern creative techniques . Present - Students present work that visually communicates a message or theme. **Students mount and present all relevant work in The Bridge Gallery.**	**Develop** - students develop ideas based upon research **Refine** - Students experiment with Materials, techniques and processes in order to refine individual projects . **Record** - Students record images using a range of traditional and modern creative techniques . **Present** - Students present work that visually communicates a message or theme. **Students mount and present all relevant work in The Bridge Gallery.**			Working towards the exam				Revision	Revision of all topics for Component 3 Exam	Revision of all topics for Component 3 Exam	REVISE	exam resits	Exam skills for L, R and W		X	X	X	Exam Prep/revision.	Revision	exam prep	N/A	N/A	Religion, peace and conflict Justice Forgiveness and reconciliation Protest and terrorism War and peace