

KS4 Curriculum Overview - Churchill School 2021/2022

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Maths	Year 9 Number, powers, decimals, HCF and LCM, roots and rounding. Expressions, substituting into simple formulae, expanding and factorising.		Year 9 Rearranging equations. Inequalities. Fractions and percentages. Angles, polygons and parallel lines		Year 9 Construction: triangles, nets, plan and elevation, loci, scale drawings and bearings. Drawing and interpreting graphs, tables and charts. Averages and range, sampling, questionnaires, collecting data, analysing data	
	Year 10 Perimeter, area and volume 1. Sequences. Real-life and algebraic linear graphs.		Year 10 Ratio and Proportion. Multiplicative reasoning: more percentages, rates of change, compound measures.		Year 10 Algebra: quadratic equations and graphs. Perimeter, area and volume 2: circles, cylinders, cones and spheres. Probability.	
	Year 11 Right-angled triangles: Pythagoras and trigonometry. Congruence, similarity and vectors. Transformations. More fractions, reciprocals, standard form, zero and negative indices.		Year 11 Rearranging equations, graphs of cubic and reciprocal functions and simultaneous equations. REVIEW – covering Number, Ratio and Proportion. REVISION - using individual assessment analysis.		Year 11 REVISION - using individual assessment analysis.	
Science	Year 9 Foundation GCSE Science Biology Cell Biology and Organisation	Year 9 Foundation GCSE Science Chemistry Atomic Structure	Year 9 Foundation GCSE Science Physics Energy Transfers	Year 9 Foundation GCSE Science Chemistry Rates of Chemical Reactions	Year 9 Foundation GCSE Science Biology Ecology	Year 9 Foundation GCSE Science Chemistry Using Resources

	Year 10 GCSE Combined Science Biology Infection, Response and Homeostasis	Year 10 GCSE Combined Science Chemistry Energy Changes and Quantitative Chem	Year 10 GCSE Combined Science Physics Particle Model of Matter	Year 10 GCSE Combined Science Biology Inheritance, Evolution and Variation	Year 10 GCSE Combined Science Chemistry Organic Chemistry	Year 10 GCSE Combined Science Physics Radioactivity Magnets
	Year 11 GCSE Combined Science Physics Forces and Waves	Year 11 GCSE Combined Science Chemistry Chemical Changes	Year 11 GCSE Combined Science Biology Bioenergetics	Year 11 GCSE Combined Science Chemistry Chemical Analysis	Year 11 GCSE Combined Science Physics Energy, Work done and Springs	Year 11 GCSE Combined Science Revision and Final GCSE Exams
English	Year 9 Class reader: Morpurgo's 'War Horse' War poetry Fiction and non-fiction reading and writing skills		Year 9 Reading and writing short stories: The Land Lady Francis/Alma (animations on Literacy Shed) A selection of mystery stories		Year 9 Class reader: Dahl's autobiography 'Boy' Fiction and non-fiction reading and writing skills	
	Year 10 Paper 2 skills: 'Living Dolls' Katie Piper and Elephant Man extracts		Year 10 Class reader: Chinese Cinderella Fiction and non- fiction reading and writing skills		Year 10 Class reader: Of Mice and Men Fiction and non- fiction reading and writing skills	
	Year 11 Paper 2: Writers' Viewpoints and Perspectives Preparation and completion of spoken language endorsement		Year 11 Paper 1: Explorations in Creative Reading and Writing		Year 11 Paper 1 and Paper 2 skills: Revision of writing different text types (letter, leaflet, article, essay, speech, story, description); writing for different purposes (inform, explain, advise, argue, persuade, describe, narrate) and different audiences	
Geography	Year 9 Paper 1: Natural Hazards and Tectonic Hazards.	Year 9 Paper 1: Weather Hazards	Year 9 Paper 1: Climate Change	Year 9 Paper 2: The Challenge of Resource Management	Year 9 Paper 2: Water	Year 9 Paper 3: Issue Evaluation
	Year 10 Paper 1: Ecosystems	Year 10 Paper 1: Tropical Rainforests	Year 10 Paper 2: Deserts	Year 10 Paper 1: UK Landscapes and Rivers	Year 10 Paper 1: UK Rivers and Coasts	Year 10 Paper 2: UK Coasts and Fieldtrip.

	Year 11 Paper 2: Urbanisation	Year 11 Paper 2: Urbanisation	Year 11 Paper 2: Economic Development	Year 11 Paper 2: Economic Development	Year 11 Paper 3: Issue Evaluation preparation. Revision.	Year 11 Revision and GCSE exams
ICT	Year 9 Online Safety, Computer systems	Year 9 Binary Logic	Year 9 Online Safety, Representation of data	Year 9 Introduction to Python	Year 9 Online safety, Python: Next steps	Year 9 IT Security (Coursework)
	Year 10 Online safety	Year 10 How to use Email PowerPoint (Coursework)	Year 10 How to use Email PowerPoint (Coursework)	Year 10 Online safety	Year 10 Cloud computing	Year 10 File types
	Year 11 Using	Year 11 Using the Internet Essay (Coursework)	Year 11 Exam content	Year 11 Exam content	Year 11 Revision	Year 11 World of work and Online Safety
Art	Year 9 Skills and Techniques including Drawing Painting and Printmaking.	Year 9 Use 2D Art skills to create an outcome eg. Drawing, painting, printmaking	Year 9 Use 3D Art skills to create an outcome eg. Mask Making.	Year 9 Contextual Studies. Creating analysis and studies of 20 th century Artists.	Year 9 Personal interpretation of chosen Artist.	Year 9 Generation of Personal Project theme, research and initial ideas.
	Year 10 Start of Controlled Assignment and Creation of Creative Cycle 1.	Year 10 Development of Creative Cycle 1.	Year 10 Creation of Creative Cycle 2.	Year 10 Development of Creative Cycle 2.	Year 10 Creation of Creative Cycle 3. Year 10 Prep Exam	Year 10 Development of Creative Cycle 3. Revisiting and refinement of Creative Cycles 1-3

	Year 11 Completion and refinement of Creative Cycles 1-3.	Year 11 Creation of Grand Finale	Year 11 Development of Grand Finale	Year 11 Refinement and completion of Grand Finale.	Year 11 Exam Preparation	Year 11 Exam
Food and Nutrition	Year 10 Practical skills Building The Basics of Nutrition and Applying Skills to Complex Dishes	Year 10 Practical Skills Building Healthy Choices and Life Stages	Year 10 Practical Skills Building Ethical Food Choices Level 2 Basic Food Hygiene Course	Year 10 Practical Skills Building Food Safety and Food Provenance Level 2 Basic Food Hygiene Course	Year 10 Practical Skills Building Food Science	Year 10 Practical Skills Building Culinary Traditions
	Year 11 Practical Skills Building Non-Examined Assessment	Year 11 Practical Skills Building Non-Examined Assessment	Year 11 Practical Skills Building Non-Examined Assessment	Year 11 Practical Skills Building Non-Examined Assessment Preparation Exam	Year 11 Practical Skills Building Non-Examined Assessment Food Practical Exam	Year 11 Practical Skills Building Non-Examined Assessment Revision and Preparation for Written Examination
RSH	Yr 10 – mental health	Yr 10 – financial decision making	Yr 10 – healthy relationships	Yr 10 – exploring influence	Yr 10 – addressing extremism and radicalisation	Yr 10 – work experience

	Yr 11 – building for the future	Yr 11 – net steps	Yr 11 – communication in relationships	Yr 11 – independence	Yr 11 – families	Yr 11 – preparing for exams
PE	Football, Badminton, Table Tennis, Basketball, Dodgeball and Fitness		Volleyball, Handball, Hockey and Rugby		Athletics, Cricket, Rounders and Short Tennis	
Careers	Year 11 Developing understanding of careers via the Careers Development Institute Framework. Covering: <ul style="list-style-type: none"> • Developing yourself through careers, employability and enterprise education • Learning about careers and the world of work • Developing career management, employability and enterprise skills 		Year 10 Developing understanding of careers via the Careers Development Institute Framework. Covering: <ul style="list-style-type: none"> • Developing yourself through careers, employability and enterprise education • Learning about careers and the world of work • Developing career management, employability and enterprise skills 		Year 9 Developing understanding of careers via the Careers Development Institute Framework. Covering: <ul style="list-style-type: none"> • Developing yourself through careers, employability and enterprise education • Learning about careers and the world of work • Developing career management, employability and enterprise skills 	
Life Skills	Yr 9 ASDAN Silver - Expressive Arts - The Community Yr 10 ASDAN Gold - Sport & Leisure - Home Management	Yr 9 ASDAN Silver - The Community - Communication Yr 10 ASDAN Gold - Number Handling - The Wider World - Sport & Leisure	Yr 9 ASDAN Silver - Communication - Science & Technology Yr 10 ASDAN Gold - The Wider World - Science & Technology	Yr 9 ASDAN Silver - Science & Technology - The Wider World Yr 10 ASDAN Gold - Science & Technology	Yr 9 ASDAN Silver - The Wider World - World of Work Yr 10 ASDAN Gold - Health & Survival	Yr 9 ASDAN Silver - The Wider World - World of Work Yr 10 ASDAN Gold - Health & Survival