

TKC Year 8 Curriculum – 2016/17

SMSC is a focus at TKC within assemblies and character development sessions, as well as numerous subject areas within the curriculum. This includes learning about British values, mutual respect, and tolerance of those with different faiths.

Subject	HT1	HT 2	HT 3	HT 4	HT 5	HT6
	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
Art	Cakes, Sweets and Toys	Cakes, Sweets and Toys	Cakes, Sweets and Toys	3D - Junk food	3D - Junk food	3D - Junk food
Computing	Unit 7 – Creating a calculator – Using Scratch <i>Variables, Flowcharts (conditions, decisions) selections, procedures, functions, operations, debug, commenting.</i>	Unit 8 – How the web works <i>HTML, CSS, Tables & Embed, Internet, server, artefact, client, web browser, network, WWW, URL, protocol, search engine, Boolean operators</i>	Unit 9 – Website creation <i>HTML, user ability, accessibility, wireframe, audience, abstraction, generalisation, CSS, Grammar, syntax, verification, valid, embedding, iframe</i>	Unit 10/11 - Designing for Human Computer Interface <i>WIMP, Prototype, Testing, HCI, touch screen, persona, app, stereotype, iteration, prototype Wireframe, CLI, HUD, Menu & forms interface, Speech recognition, Touch, user interface, Graphical User Interface (GUI), operating system, iteration, task analysis</i>	Unit 12 – Representing Images <i>pixels, resolution, file types, pixelated, colour depth, retina display, bitmap, vector, compression,</i>	Unit 13 – Programming a quiz <i>Abstraction, variables, decomposition, procedures, functions, generalisation, debugging</i>
Design Technology (Food)	Recap Eatwell plate Consider hydration Sources of water in the diet Revise: knife skills hob, boil, drain, sauté (frying) Life stages and changes in nutritional needs Compare nutritional value of variety of foods Practicals Savoury rice Chilli bean casserole	Revise peeling & grating Melting and mixing ingredients Folding & dividing mixture Use nutritional programme to analyse nutrients and make a label Source and function of carbohydrates in the diet Preparation and use of bread dough Comparative product evaluation: Breads, variety & costs Kneading & shaping a bread dough Practicals Mini carrot cakes Pizza wheels	Shaping portioning & finishing a burger Use of the cooker investigate food waste and how to reduce Students demonstrate food preparation skills Explore how to serve the fajita in a commercial environment Appraise & evaluate the work covered during the year Practicals Turkey burgers Fajitas	Source, type & function of proteins Needs at different life stages Portion sizes of variety of proteins Use of eggs, functions of eggs and how heat affects eggs Source & functions of vitamins in the diet Comparative product evaluation: Prepared pasta products Practicals Fab frittata Ragu	Sauce making & effect of heat on starch Cooking & draining pasta, grilling revised Nutritional analysis of dish. Dietary needs of young people. Importance of balanced meals. How to modify recipes when planning a meal for specific nutritional need. Revise use of chicken safely Use of ° probe Practicals Pasta bake Chicken Chow Mein	Use of raw meat, revise preparation of vegetables, use of herbs & spices, hob and cooking of rice Comparative product evaluation. Revisit rubbing in, weighing & measuring, peel & core an apple Design a specification for a special dietary need. Practicals Vegetable Rogan josh Oaty apple crumble

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Design Technology (Resistant Materials)	<u>Frames</u> Handtools, Design, Isometric projections (3D drawig) wood joints, Designing	<u>Frames</u> Properties of wood Scaling, assembling, finishing	<u>Buzzer</u> Electronics, Plastic shaping Properties of plastics. CAD CAM	<u>Buzzer</u> Electronics, Plastic shaping Properties of plastics. CAD CAM	<u>Pewter casting</u> Properties of metal. Injection moulding, casting Designing, CAD CAM (laser cutter)	<u>Pewter casting</u> Properties of metal. Injection moulding, casting Designing, CAD CAM (laser cutter)
Design Technology (Textiles)	Ankara frame insert Sustainability Hessian Ankara Batik Embroidery	Ankara frame insert Sustainability Hessian Ankara Batik Embroidery	Ankara frame insert Sustainability Hessian Ankara Batik Embroidery Pencil case project Cam Fluorescent fabric Smart and modern fabrics	Embroidery Pencil case project Cam Fluorescent fabric Smart and modern fabrics	Embroidery Pencil case project Cam Fluorescent fabric Smart and modern fabrics	Pencil case Block pattern Pencil case project Cam Fluorescent fabric Smart and modern fabrics
Drama	Introduction To Drama Yr 8	Civil Rights	Genre	Genre	Suffragettes	Stimulus
English	Novel Study Lord of the Flies Animal Farm Wonder Stone Cold Curious Incident of the Dog Private Peaceful	Gothic Genre The Listeners, Walter de La Mare The Monkey's Paw – short story Frankenstein Dracula The Red Room Narrative writing A Night in a Cottage The Hitchhiker	Media & non-fiction Formal report writing Eyewitness report Reading analysis of reports Discursive essay –UFOs Invent a product for 2030	Shakespeare The Tempest Or Macbeth <i>(Plot structure, setting & characters)</i>	Poetry Timothy Winters The Highwayman and The Lady of Shalott Black British Poetry Poetry from other cultures. <i>(similes, metaphors, onomatopoeia, alliteration, personification, juxtaposition)</i>	Reading and Writing Fiction (Short stories) Skimming and scanning Reading for detail Comparison of details Conventions of genre Structure of narrative: <i>opening, middle & end; climax & anti-climax; tension; foreshadowing, point of view, language, etc.</i>

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		Gothic Horror conventions Vampire Hunter's Guidebook The Raven The Golden Hand				
Formative Assessment	Questions on extract from text.	Questions on an extract from Frankenstein	Questions on a Newspaper Article	Questions on extract from text.	Questions on A Case of Murder	Questions on an extract from Harry Potter
Summative Assessment	Writing about a Character using PEE	Writing own story in gothic convention.	Writing a letter to government about Space Exploration	Transform scene to modern context.	Social worker's report on Timothy Winters.	Narrative, Descriptive, Expressive Writing task
Geography	Made in China	Hot and cold environments	Tectonics	Fantastic places	Rivers	Energy
History	The Tudors	The English Civil War & Development of the UK	The Industrial Revolution	The British Empire	Transatlantic slave trade	Votes for Women
Mathematics	Calculating Numbers and the number system Counting and comparing	Visualising and constructing Investigating properties of shapes Algebraic proficiency: tinkering	Exploring fractions, decimals and percentages Proportional reasoning Pattern sniffing Measuring space	Investigating angles Calculating fractions, decimals and percentages	Calculating fractions, decimals and percentages Solving equations and inequalities Calculating space Checking, approximating and estimating Mathematical movement	Mathematical movement Presentation of data Measuring data
MFL (French)	<u>Famille et domicile</u> Family and where you live	<u>Temps libre</u> Free time Perfect tense	<u>Voyages et vacances</u> Holidays Near future tense	<u>Manger et boire</u> Food	<u>Les sorties</u> Going out Fashion	<u>Présent, passé et future</u> Using the 3 main time frames
MFL (Spanish)	<u>La gente</u> Describing people Daily routine	<u>¿Vamos a salir?</u> Going out	<u>Mis vacaciones</u> Holidays	<u>La comida</u> Food	<u>De moda</u> Fashion	<u>Barcelona</u> In the city

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Music	Repetition in Music	Repetition in Music	The Planets	Keyboard Performing	Folk Music	Group Work
PE * Activities taught in a rotation so order of activities may be different	Netball Fitness Rugby	Cross-Country Gymnastics Dance Basketball	Football Badminton Handball Netball/Rugby	Football Badminton Handball Netball/Rugby	Rounders Cricket	Athletics Alternative
RE	What does it mean to be a Christian?	What does it mean to be a Muslim?	Caring for Others	Genesis	Suffering and Evil	Does religion really promote equality?
Science	Forces Respiration	Compounds & Mixtures Light	Inheritance Solutions	Electricity Photosynthesis	Reactivity Series Space	Magnetism Reactions
Inclusion (Life/Social Skills)	ID course	Keeping yourself and others safe – Descriptors: 1(a), 2(a), 3(a), 4(a), 5(a), 6(a), 7(a), 8(a), 9(a)	Communication skills Descriptors: 1(b-c), 2(b-c), 3(b-c), 4(b-c), 5(b-c), 6(b-c), 7(b), 8(b), 9(b)	Communication skills continued Descriptors: 1(d-e), 2(d, k), 3(d-e, 3n-p), 4(d-e, 4o), 5(d-e), 6(d), 7(c), 8(c), 9(c)	Safe Travel Descriptors: 1(f-g), 2(e-f), 3(f-i), 4(f-i), 5(e-g), 6(e-g), 7(d-f), 8(d-e), 9(d)	Study skills, preparing for exams Descriptors: 1(u), 2(v), 3(v), 4(v, w), 5(u-v), 6(v-w), 7(u), 8(t), 9(t)
Support Studies (Literacy Skills)	Accelerated reader To improve the reading age of students and enhance their reading comprehension, analysis and inference.	Accelerated reader To improve the reading age of students and enhance their reading comprehension, analysis and inference	Accelerated reader To improve the reading age of students and enhance their reading comprehension, analysis and inference	Accelerated reader To improve the reading age of students and enhance their reading comprehension, analysis and inference	Accelerated reader To improve the reading age of students and enhance their reading comprehension, analysis and inference	Accelerated reader To improve the reading age of students and enhance their reading comprehension, analysis and inference