



Overview of Year Group Curriculum Information
for JFS Website 2016-17

Subject:

Technology subjects

Key Stage 3			
YG	Autumn Term	Spring Term	Summer Term
Year 7	<p>D & T 15 lessons over half the year</p> <ul style="list-style-type: none"> • Desk tidy • Personal organiser- using metal or plastic. Introduction to CAD/CAM • Shaping and forming <p>5 lessons of ICT linked to CDT: Logo Design using Coreldraw software</p>		<p>Food Technology 15 lessons over half the year</p> <ul style="list-style-type: none"> • Healthy eating • Proteins, fats, carbohydrates, vitamins and minerals • Staple foods and cultures • Making own designs and understanding packaging <p>5 lessons of ICT linked to Food Technology: Design (e.g. leaflets)</p>
Year 8	<p>D & T 15 lessons over half the year</p> <ul style="list-style-type: none"> • Maze • Phone Pod <p>Use of CAD/CAM (computer-aided design). Wood-based skills combined with CAD/CAM.</p>		<p>Food Technology 15 lessons over half the year</p> <p>Development of good understanding of nutrition</p> <ul style="list-style-type: none"> • Breakdown of composition of foods • Knowledge of Health and Safety • Why food is cooked • Wide range of practical outcomes reflecting the above

Year 9	<p>20 Lessons over half the year</p> <p>Clock:</p> <ul style="list-style-type: none"> • design skills using • coloured acrylic and • Coral Draw software <p>Electronic game:</p> <ul style="list-style-type: none"> • Building a circuit-soldering. • Construct casing. • Testing & Evaluation • Programmng & CAD/CAM 		<p>20 lessons over half the year</p> <ul style="list-style-type: none"> • Bread making • Fat finding • New food product designs and making • Disassembling food products • Mass production – food companies • Production of airline meals
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Key Stage 4

YG	<i>Assessment: Skills appraisal and end-of-term Level assessments.</i>	Spring Term	Summer Term
Year 10 Resistant Materials	<ul style="list-style-type: none"> • 1. A flat pack stool. Design & Make task. • Materials & processes. 	<ul style="list-style-type: none"> • Storage product • CAD/CAM design • Design & Make task. • Evaluation & testing. 	<ul style="list-style-type: none"> • Start controlled task from set briefs. • Research. • Analysis and ideas generated.
Year 10 Food Tech	<ul style="list-style-type: none"> • Bread -yeast -raising agents -types of flour • Practicals and mass production • HACCP • Packaging and labelling • Additives • Cook chill – types of products • Storage 	<ul style="list-style-type: none"> • Cook chill practicals <ul style="list-style-type: none"> - disassembly of products - experiments on foods - caramelisation - dextrinisation - coagulation of protein - surveys - sauce-making - investigate starch • Design brief No. 1 – own choices <ul style="list-style-type: none"> - make design ideas - develop product packaging for produce 	<ul style="list-style-type: none"> • Cake-making <ul style="list-style-type: none"> - types and methods - ingredients/functions - raising agents for cakes - practicals for each method • Design brief No. 2 <ul style="list-style-type: none"> - ideas - development - making product • Pastry-making <ul style="list-style-type: none"> - types - functions - practicals to support • Design brief No. 3 <ul style="list-style-type: none"> - HACCP included • Salad types <ul style="list-style-type: none"> - structures <p>colloidal, emulsions, experiments</p>

<p>Year 10 Electronic Products</p>	<ul style="list-style-type: none"> • 1. Reaction test. • Design and build a circuit. • Package using CAD/CAM. • Programming. 	<ul style="list-style-type: none"> • 2. Counting product. • Timing or scoring. • Testing & evaluation. 	<ul style="list-style-type: none"> • Start controlled task from set briefs. • Research. • Analysis and ideas generated.
<p>Year 10 Child Development</p>	<ul style="list-style-type: none"> • Research task (20%) • Types of family • Roles in the family • Changes in society • Healthy eating for children • Diets 	<ul style="list-style-type: none"> • Research task (20%) • Maturation • Menstruation • Conception • Contraception • Pregnancy, Labour & birth • Pain relief 	<ul style="list-style-type: none"> • Complete research task(20%) • The new baby • Vaccinations • Bathing • Nappies • Feeding & weaning • Physical development of baby
<p>Year 11 Resistant Materials</p>	<ul style="list-style-type: none"> • Controlled task (60% Coursework). • Finalise design. • Making of product. 	<ul style="list-style-type: none"> • Making for controlled task continues. 	<ul style="list-style-type: none"> • Final revision for examination.
<p>Year 11 Food Tech</p>	<ul style="list-style-type: none"> • Practical and development of a product to fit a brief (60% Coursework) <ul style="list-style-type: none"> - Research a topic - Test different types of ingredients - Adapt existing recipe - Develop original ideas to fulfil brief - Test recipes - Evaluate each stage - Use of ICT in developing and charting - Final outcome – photographs and develop - Brief shown in mass production form - Presentation in A3 folder Preparation for 40% examination (written paper) 		
<p>Year 11 Electronic Products</p>	<ul style="list-style-type: none"> • Controlled task (60% Coursework) • Finalise design • Making of product 	<ul style="list-style-type: none"> • Making for controlled task continues. 	<ul style="list-style-type: none"> • Final revision for examination

Year 11 Child Development	<ul style="list-style-type: none"> • Observation task (40%) • Social development • Intellectual development • Language development • Emotional development • The sick child • Safety outdoors • Safety in the home • Types of early education • Voluntary organisation • Children with special needs • Revision for written paper 	
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SIXTH FORM

YG	Autumn Term	Spring Term	Summer Term
Year 12 CACHE Child care and Education (3 'A' Levels)	<ul style="list-style-type: none"> • Conception to 7 years • Children's health and well being • Safer environments for children • Play and learning • Observation, assessment and planning • Professional practice 	<ul style="list-style-type: none"> • Children's well being • Conception to 7 years • Observation, assessment and planning • Professional practice • Child health • Play & learning 	<ul style="list-style-type: none"> • Conception to 7 years • Observation, assessment and planning • Professional practice • Play and learning
Year 13 CACHE Child care and Education (3 'A' Levels)	<ul style="list-style-type: none"> • Supporting emergent literacy • Supporting emergent Mathematics • Preparing for school readiness • Reflective practice for professional development • Professional partnerships in early years • Understanding children's additional needs • Professional practice 	<ul style="list-style-type: none"> • Supporting emergent literacy • Supporting emergent Mathematics • Preparing for school readiness • International perspectives • Extended practice study • Professional partnerships in early years • Professional practice 	<ul style="list-style-type: none"> • Preparing for school readiness • International perspectives • Extended practice study • Professional partnerships in early years • Professional practice