Subject – Food Technology (KS3) Food & Nutrition (KS4)

	Half term 1	Half term 2	Half term 3	Half term 4	Half term 5	Half term 6
Year 7 **Progression from Year 7 – 9 on Safety, Healthy Eating and Nutrition**	• Introduction to the food room • Health & safety • Healthy Eating (Eat well Guide) • Practical work	• Practicals • Design & Make activity • Nutrition (Introduction)				
Year 8 **Progression from Year 7 – 9 on Safety, Healthy Eating and Nutrition**	• Healthy eating • Safety (food Storage) • Contamination • Practical work every week	• Nutrition – emphasis on vitamins and minerals • Design & Make activity • Fair Trade • Practical work				
Year 9 **Progression from Year 7 – 9 on Safety, Healthy Eating and Nutrition**	• Street food • Teenage diets • Nutrition – Carbohydrates, proteins and fats • Healthy eating	• Design & Make activity • Methods of cake making • Practical work				
Year 10	• Food provenance • Health & safety • Healthy eating • Milk, cheese & yoghurt Practical work to accompany all commodity work.	• Eggs, meat and fish Practical work to accompany all commodity work.	• Special diets • Vegetarians Mock practical exams preparation for time plan Practical work to accompany all commodity work.	NEA Mock • Meat & fish Practical to accompany theory • Butter, fats, oils • Food science Practical work to accompany all commodity work.	Practical to accompany theory • Coagulation, foaming and creation • Chilling	NEI • Task set by examination board • Practical aspects
Year 11	Completion of NEA 1 Practical work linked to NEA 2	NEA 2 – task set by examination board – set • Cereals Time for controlled practical assessment	Research • Trailing and selecting recipes • Evaluating Completion of NEA 2	Revision	Revision	

Subject – Design & Technology Product Design

	Half term 1	Half term 2	Half term 3	Half term 4	Half term 5	Half term 6
Year 7 **Metal Hook**	• Health & Safety • Modelling • Properties of mild steel • Shaping & removal of waste • Permanent joining & riveting • Surface treatment – plastic dip coating					
Year 8 **Metal Phone Holder**	• Health & Safety • Modelling • Forms & types of metal- marking out with square • Shaping & removal of waste • Surface treatment – plastic dip coating					
Year 9 **Metal Figure**	• Health & Safety • Modelling • Properties of ferrous metals • Shaping & forming of waste • Heat bending • Permanently joining – brazing metal • Plastic dip coating					
Year 10 **Product Design**	Metal Ferrous / Non-ferrous metal Properties Advanced shaping, hacksaw, Heat treating	Metal Ferrous / Non-ferrous metal Properties Advanced Shaping Hacksaw Heat treating Rotation between metal & wood	Wood Exploring wooden Joints Frame project Rotation between metal & wood	Wood Exploring wooden Joints Frame Project	Plastic Lighting project Upscaling & recycling Combination of wood, metal & plastic. Introduction to smart materials & components	Plastic Lighting project Upscaling & recycling Combination of wood, metal & plastic. Introduction to smart materials & components
Year 11 **Product Design**	Investigation WJEC design brief analysis Concept generation User feedback	Planning Exploring materials & construction methods Refining concept	Practical Using tools & processes Evaluation	Practical Using tools & processes Evaluation	Exam Preparation Mock exam feedback Theory Lessons R.A.G Rating Revision Techniques	Exam Preparation Mock exam feedback Theory lessons R.A.G rating Revision techniques

Subject – Design & Technology Textiles

	Half term 1	Half term 2	Half term 3	Half term 4	Half term 5	Half term 6
Year 7	Health & Safety Small Tools and equipment Use of a sewing machine Types of stitching FPT – Uglydoll/monster toy	Practical techniques and processes Hand Stitching/button/machine applique/construction techniques/seem construction Assessment	Rotation 2		Rotation 3	
Year 8	FPT – Decorative cushion Analysis/research initial design ideas Tie dye Independent use of sawing machine Computerised embroidery	Fabric preparation Cutting out Applique Embroidery Construction techniques Assessment	Rotation 2		Rotation 3	
Year 9	FPT - Mini Backpack Identify a design problem Develop Solutions Use of templates Fabric preparation	Quilting Computerised embroidery Construction processes Pockets Zips Use of alternative machine Stitches / presser feet Straps Top Stitching	Evaluation Evidence bag			
Year 11	Exam board set context for NEA Analysis Research Target Audience Existing Products Initial Ideas Plan practical outcome	Templates Cutting out Decorative processes	Modelling Construction		Evaluation	

Subject – Design & Technology Resistant Materials & Product Design

	Half term 1	Half term 2	Half term 3	Half term 4	Half term 5	Half term 6
Year 7	Model Boat Project Health & Safety Designing Hardwood / Softwood Marking Cutting / Shaping Finishing – Glass paper Evaluating	Model Boat Project Health & Safety Designing Hardwood / Softwood Marking Cutting / Shaping Finishing – Glass paper Evaluating				
Year 8 **Metal Phone Holder**	Novelty Clock Project Health& Safety Designing & Developing Manufactured Boards Cutting – Coping Saw Cutting – Hegner Saw Finishing / Painting Evaluating	Novelty Clock Project Health& Safety Designing & Developing Manufactured Boards Cutting – Coping Saw Cutting – Hegner Saw Finishing / Painting Evaluating				
Year 9 **Metal Figure**	Dovetail Box Project Health & Safety 2 pt perspective technical Sketch Marking Cutting Joining dovetail joint 2D CAD CAM laser cutting	Dovetail Box Project Health & Safety 2 pt perspective technical Sketch Marking Cutting Joining dovetail joint 2D CAD CAM laser cutting				
Year 10 **Product Design**	As Product Design (Nigel Lewis Sheet)					
Year 11 **Product Design**	As Product Design (Nigel Lewis Sheet)					