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|  | **Half term 1** **Learning Overview** | **Half term 2****Learning Overview** | **Half term 3** **Learning Overview** | **Half term 4** **Learning Overview** | **Half term 5** **Learning Overview** | **Half term 6** **Learning Overview** |
| **Year 7****DT*****Group:*** | **1: Graphics** **Mechanisms and structures**Nets- disassembly 2D- 3DHow things move  | **1:Graphics****Mechanisms and structures**Building secure structuresCams and followers | **1:Food** **Food safety & nutrition**Introduction to the food roomThe 4C’sKnife safety and enzymic browningGovernment guidelinesThe Eatwell guide Sugar in our diet | **1: Food** **Cooking methods and culinary skills**Convection and conductionSensory analysisPresentation of practical workWriting a time plan | **1: RM** **Health and Safety in the workshop.** Introduction to the workshopTeam building activity – straw structuresWhat is design/ technology?Introduction to basic tools and materials to make a Bauhaus style product.Introduction to the pillar drill.Sustainable resourcesIntroduction to 2D Design. | **1:RM****Trinket box/ small gadget storage**Developing making skills to make a small gadget storage container.Raw materialsUsing pillar drills to make different size holes.Introduction to belt sander and polishing machine.Cutting and shaping acrylic.Cutting and shaping steel rod.Assembly.Drawing skills. |
| **2: Food** **Food safety & nutrition**Introduction to the food roomThe 4C’sKnife safety and enzymic browningGovernment guidelinesThe Eatwell guide Sugar in our diet | **2:Food****Cooking methods and culinary skills**Convection and conductionSensory analysisPresentation of practical workWriting a time plan | **2:RM****Health and Safety in the workshop.** Introduction to the workshopTeam building activity – straw structuresWhat is design/ technology?Introduction to basic tools and materials to make a Bauhaus style product.Introduction to the pillar drill.Sustainable resourcesIntroduction to 2D Design. | **2:RM****Trinket box/ small gadget storage**Developing making skills to make a small gadget storage container.Raw materialsUsing pillar drills to make different size holes.Introduction to belt sander and polishing machine.Cutting and shaping acrylic.Cutting and shaping steel rod.Assembly.Drawing skills. | **2: Graphics****Mechanisms and structures**Nets- disassembly 2D- 3DHow things move  | **2: Graphics****Mechanisms and structures**Building secure structuresCams and followers |
| **3: RM****Health and Safety in the workshop.** Introduction to the workshopTeam building activity – straw structuresWhat is design/ technology?Introduction to basic tools and materials to make a Bauhaus style product.Introduction to the pillar drill.Sustainable resourcesIntroduction to 2D Design. | **3: RM****Trinket box/ small gadget storage**Developing making skills to make a small gadget storage container.Raw materialsUsing pillar drills to make different size holes.Introduction to belt sander and polishing machine.Cutting and shaping acrylic.Cutting and shaping steel rod.Assembly.Drawing skills. | **3: Graphics****Mechanisms and structures**Nets- disassembly 2D- 3DHow things move  | **3: Graphics****Mechanisms and structures**Building secure structuresCams and followers | **3: Food****Food safety & nutrition**Introduction to the food roomThe 4C’sKnife safety and enzymic browningGovernment guidelinesThe Eatwell guide Sugar in our diet | **3: Food****Cooking methods and culinary skills**Convection and conductionSensory analysisPresentation of practical workWriting a time plan |
| **Art** | **Tone and shade**Introduction to Art, what is art?Drawing skills using tones and different pencilsObservational drawings | **Using colour**Colour wheelsPrimary and secondary colourColour association Researching the work of Matisse | **Using colour**Producing work in the style of MatisseMondrian and DeStijl | **Portraits and proportions**Drawing facial featuresUsing scale and proportion to create a self portraitCubism: portrait in the style of Pablo Picasso  | **3D Art, environment and architecture** Drawing in perspective**Architecture**Model making projectZaha Hadid Hunterwasser collagraphs | **3D Art, environment and architecture** Hunterwasser collagraphs**Installation Art: Miro mobiles** |
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| **Year 8****DT*****Group:*** | **1: Graphics****Celebration kits** Disassembly of existing productsFestivals and celebrationsSensory analysisCosting pre- portioned vs homemadeContexts and users | **1: Graphics****Celebration kits**TypographyLabelling legislationProduction plans- photo Testing of production plansQuality control Printing processes Registration marks | **1: Food****Nutrition**Macro and micro nutrientsSpecial dietsTraffic light labellingFood around the world | **1 :Food** **Food safety**Food poisoningAccident preventionFood temperatures | **1: RM****Photograph/picture frame**Design movements – Pop Art2D Design – drawing designsTimber joint uses - Half lap jointVacuum formingLaser cuttingFixing methods | **1:RM****Design movement clock**Target audience Learning aidsProduct analysisDesign skillsIterative design processSelecting materials and processesOrthographic drawingsAssembly drawings |
| **2: Food****Nutrition**Macro and micro nutrientsSpecial dietsTraffic light labellingFood around the world | **2: Food****Food safety**Food poisoningAccident preventionFood temperatures | **2:RM****Photograph/picture frame**Design movements – Pop Art2D Design – drawing designsTimber joint uses - Half lap jointVacuum formingLaser cuttingFixing methods | **2:RM****Design movement clock**Target audience Learning aidsProduct analysisDesign skillsIterative design processSelecting materials and processesOrthographic drawingsAssembly drawings | **2: Graphics****Celebration kits** Disassembly of existing productsFestivals and celebrationsSensory analysisCosting pre- portioned vs homemadeContexts and users | **2: Graphics****Celebration kits**TypographyLabelling legislationProduction plans- photo Testing of production plansQuality control Printing processes Registration marks |
| **3: RM****Photograph/picture frame**Design movements – Pop Art2D Design – drawing designsTimber joint uses - Half lap jointVacuum formingLaser cuttingFixing methods | **3: RM****Design movement clock**Target audience Learning aidsProduct analysisDesign skillsIterative design processSelecting materials and processesOrthographic drawingsAssembly drawings | **3:Graphics** **Celebration kits** Disassembly of existing productsFestivals and celebrationsSensory analysisCosting pre- portioned vs homemadeContexts and users | **3: Graphics****Celebration kits**TypographyLabelling legislationProduction plans- photo Testing of production plansQuality control Printing processes Registration marks | **3: Food****Nutrition**Macro and micro nutrientsSpecial dietsTraffic light labellingFood around the world | **3 : Food****Food safety**Food poisoningAccident preventionFood temperatures |
| **Art** | **Tone and Colour recap**Using different types of media**Pen work pattern and ornamentation**Alex Konahin: exploring patterns, symbols and ornamentation | **Pen work pattern and ornamentation**Alex Konahin: exploring patterns, symbols and ornamentationUsing secondary sources: insects, wild animals, human anatomy | **Still life drawing from observation**Using primary sources: natural and manmade objectsAnalyze the work of Paul Cezanne and Georgia O’KeefeExploring a range of media: paint, water colour, oil pastels and chalk | **Still life drawing from observation**Exploring a range of media: paint, water colour, oil pastels and chalkDigital Art: using a computer to create art | **Cultural Art**India recycled plastic projectResearching and recreating art from found materials/products. | **Cultural Art**African mask project: card and paper based Mexican tin art (hojalata) |
| **Year 9****DT*****Group:*** | **1: Graphics****Lampshade**Review of nets and developmentsPapers and boards theoryPaper and board practical experience | **1: Graphics****Lampshades**Iterative designDesign movementsFinal outcomeDye cuttingEmbossing Laser cuttingProfessional finishes TextilesDecoration  | **1: Food** **Factors affecting food choice** Energy needs for different lift stagesSeasonal foodsFood miles | **1: Food** **Food Science**Denaturation and coagulationRaising agentsCaramelisation  | **1: RM****Desktop light**Understanding electronicsInputs and outputsStructure/balance/movementArchitectural influencesBiomimicryIterative design skillsIntroduction to Fusion 360Prototyping2D Design – laser cuttingSelecting correct tools and machinesMaking and assemblingPackagingEvaluation | **1:RM****Sweet dispenser**MechanismsSystems and controlRobotics and automationMovementBe the expert - Design skills3D printingPlanning for manufactureTestingImprovements/ modifications |
| **2: Food****Factors affecting food choice** Energy needs for different lift stagesSeasonal foodsFood miles | **2: Food****Food Science**Denaturation and coagulationRaising agentsCaramelisation  | **2:RM****Desktop light**Understanding electronicsInputs and outputsStructure/balance/movementArchitectural influencesBiomimicryIterative design skillsIntroduction to Fusion 360Prototyping2D Design – laser cuttingSelecting correct tools and machinesMaking and assemblingPackagingEvaluation | **2:RM****Sweet dispenser**MechanismsSystems and controlRobotics and automationMovementBe the expert - Design skills3D printingPlanning for manufactureTestingImprovements/ modifications | **2: Graphics****Lampshade**Review of nets and developmentsPapers and boards theoryPaper and board practical experience | **2: Graphics****Lampshades**Iterative designDesign movementsFinal outcomeDye cuttingEmbossing Laser cuttingProfessional finishes TextilesDecoration  |
| **3: RM****Desktop light**Understanding electronicsInputs and outputsStructure/balance/movementArchitectural influencesBiomimicryIterative design skillsIntroduction to Fusion 360Prototyping2D Design – laser cuttingSelecting correct tools and machinesMaking and assemblingPackagingEvaluation | **3: RM****Sweet dispenser**MechanismsSystems and controlRobotics and automationMovementBe the expert - Design skills3D printingPlanning for manufactureTestingImprovements/ modifications | **3: Graphics****Lampshade**Review of nets and developmentsPapers and boards theoryPaper and board practical experience | **3: Graphics****Lampshades**Iterative designDesign movementsFinal outcomeDye cuttingEmbossing Laser cuttingProfessional finishes TextilesDecoration  | **3: Food****Factors affecting food choice** Energy needs for different lift stagesSeasonal foodsFood miles | **3: Food****Food Science**Denaturation and coagulationRaising agentsCaramelisation  |
| **Art** | **One image 4 media**Pop art celebrity portraitCommercial product still lifeRevisit tonal skillsCompare media outcomes | **We are from Derby**Exploration of the artist or designers from DerbyAnalyse the style of artists to inform a personal response | **We are from Derby**Analyse the style of artists to inform a personal responseEvaluate final response  | **Lettering**Peter Blake collage and commercial artwork Paper Back Cover Art:Exploring the design to portray a story in fonts and images | **Lettering**Paper Back Cover Art:Exploring the design to portray a story in fonts and imagesDevelopment of outcome:Own choice of media/justification of selection | **Clay work**Grayson Perry:Exploring current concerns, outcomes of lockdown and gender identityCeramic techniques:Handling and making skillsThis is me Outcome:Ceramic outcome drawing on years learning  |

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| **Year 10** |  |  |  |  |  |  |
| **Year 11** |  |  |  |  |  |  |