Holly Park Progression in DT Lower KS2

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| **Developing, Planning and Communicating Ideas** | | | **Evaluating** | |
| •Investigatesimilarproductstotheonetobemadetogivestartingpointsfora design •Draw/sketchproductstohelpanalyseandunderstandhowproductsaremade •Thinkaheadabouttheorderoftheirworkanddecideupontoolsandmaterials •Planasequenceofactionstomakeaproduct •Recordtheplanbydrawing(labelledsketches)orwriting •Developmorethanonedesignoradaptationofaninitialdesign •Proposerealisticsuggestionsastohowtheycanachievetheirdesignideas •Addnotestodrawingstohelpexplanations | | | •Identifythestrengthsandweaknessesoftheirdesignideas •Decidewhichdesignideato develop •Considerandexplainhowthefinishedproductcouldbeimproved •Discusshowwellthefinishedproductmeetsthedesigncriteriaandhowwellitmeets theneedsoftheuser. | |
| Materials and Components– Knowledge and Understanding | | | | |
| **Sheet Materials (Mechanisms)** | **Construction** | **Textiles** | | **Food** |
| Cutslots  •Cutinternalshapes •Uselollysticks/cardtomakeleversand linkages •Uselinkagestomakemovementlargeror morevaried. •Useandexplorecomplexpopups •Createnets | •Incorporateacircuitwithabulborbuzzer intoamodel •Createshellorframestructures, strengthenframeswithdiagonalstruts •Makestructuresmorestablebygiving themawidebase •Prototypeframeandshellstructures •Measureandmarksquareselection,strip and dowelaccordinglyto1cm •Usegluegunwithclosesupervision(one toone) | Understandseamallowance •Joinfabricsusingrunningstitch,over sewing,backstitch •Explorefasteningsandrecreatesomee.g. sewonbuttonsandmakeloops •Prototype aproductusingJcloths •Useappropriatedecorationtechniques e.g.appliqué(gluedorsimplestitches) •Createasimplepattern •Understandtheneedforpatterns | | •Developsensoryvocabulary/knowledge using,smell,taste,textureandfeel •Analysethetaste,texture,smelland appearanceofarangeoffoods •Followinstructions •Makehealthyeatingchoicesfromand understandingofabalanceddiet •Joinandcombinearangeofingredients e.g.snackfoods •Worksafelyandhygienically •Measureandweighingredients appropriately |