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| **DT** | **Autumn 1** | **Autumn 2** | **Spring 1** | **Spring 2** | **Summer 1** | **Summer 2** |
| **EYFS** |  |  |  |  |  |  |
| **Year 1** |  | **Mechanisms**Pop-ups – cards / story pagesSimple Card Levers and slidersStart to use technical vocabulary when describing mechanisms, tools and materialsMark out materials to be cut using a templateFold, tear and cut paper and cardCut along lines, straight and curvedUse a hole punchInsert paper fasteners for cardExperiment with levers and sliders to find different ways of making things move in a 2D plane | **Food**Preparing and combing foodsFruit saladDevelop a food vocabulary using taste, smell, texture and feelCut, peel, grate, chop a range of ingredientsWork safely and hygienicallyUnderstand the need for a variety of foods in diets |  | **Structures**Stability and strengthPlayground equipmentRefer to materials, tools and techniques using appropriate vocabularyExplore how to make structures strongerInvestigate different techniques for stiffening a variety of materialsTest different methods of enabling structures to remain stableJoin appropriately for different materials and situations, e.g. glue, tapeMark out materials and situations using a templateUse a glue gun with close supervision |  |
| **Year 2** |  |  | **Mechanisms**Wheels and AxelsA vehicle for moon travel?Join appropriately for different materials and situations, e.g. glue, tapeTry out different axle fixings and their strengths and weaknessesMake vehicles with construction kits which contain free running wheelsUse a range of materials to create models with wheels and axles e.g. tubes, dowel, cotton reelsRoll paper to create tubesCut dowel using hacksaw and bench hookAttach wheels to a chassis using an axle | **Food**Where food comes fromThe Eatwell PlatePrinciples of a healthy dietA simple savoury dish with NO cooking techniquesGroup familiar food products e.g. fruit and vegetablesExplain where food comes fromMeasure and weigh food items, non-statutory measures e.g. spoons, cup | **Textiles**Using a templateSimple joiningChoice of stitchesChoice of materialsA puppetStart to use appropriate vocabulary to refer to fabrics and toolsCut out shapes which have been created by drawing round a template onto the fabricJoin fabrics by using e.g. running stitch, glue, staples, over sewing, tapeDecorate fabrics with attached items e.g. buttons, beads, sequins, braids, ribbonsColour fabrics using a range of techniques e.g. fabric paints, printing, paintingCut out shapes which have been created by  |  |
| **Year 3** |  | **Food**Healthy Picnic ItemBalanced dietSimple cooking techniqueDevelop sensory vocabulary / knowledge using smell, taste, texture and feelAnalyse the taste, texture, smell and appearance of a range of foods (predominantly savoury)Make healthy eating choices (the eatwell plate)Join and combine a range of ingredients |  | **Mechanisms**Making a robot with moving partsLevers and linkagesUse lolly sticks / card to make levers / linkagesUse linkages to make movement larger or more variedUse mechanical systems such as levers and linkages |  | **Structures**Shell / frame structuresStrengtheningPlanterDevelop vocabulary related to the subjectCreate shell or frame structuresStrengthen frames with diagonal strutsMake structures more stable by giving them a wide baseMeasure and mark square section, strip and dowel accurately to 1cm |
| **Year 4** | **Food**Simple Savoury food and cooking techniquesFollow instructions / recipesPrepare and cook using a range of cooking techniquesExplore seasonality of fruits and vegetablesFind out which fruit and vegetables are grown in countries / continents studied in geographyDevelop understanding of how meat / fish are reared / caught |  |  | **Textiles**SeamsStiffening and strengtheningMaterials and fasteningsTextile passport containerDevelop vocabulary for tools, materials and their propertiesUnderstand seam allowanceJoin fabrics using running stitch, over sewing, blanket stitchPrototype a product using J clothsUse prototype to make a patternExplore strengthening and stiffening of fabricsExplore fastenings and recreate someSew on buttons and make loopsUse appropriate decoration techniques |  | **ICT and electrical systems**ControlElectrical componentsDevelop vocabulary related to the projectUse mechanical systems such as gears and pulleysIncorporate circuits into a modelUse ICT to control products |
| **Year 5** |  | **Food**Food from another cultureA variety of cooking techniquesPrepare mostly savoury dishes using their own selection of ingredients, taking into account their nutritional properties and sensory characteristicsWeigh and measure using scalesSelect and prepare foods for a particular purposeWork safely and hygienicallyUse a range of cooking techniquesJoin and combine a widening range of materials |  | **Mechanisms**Mechanical systemsPulleysGearsCamsA vehicle using gears powered by an electric motorDevelop a technical vocabulary appropriate to the projectUse mechanical systems such as cams, pulleys and gears | **3D textiles**using gussetsusing patternsjoining with seam allowancecombining fabricsA belt with loops and pouchesUse the correct vocabulary appropriate to the projectCreate 3D products using patterns pieces and seam allowanceUnderstand pattern layoutDecorate textiles appropriately (often before joining components)Pin and back fabric pieces togetherJoin fabrics using over sewing, back stitch, blanket stitch or machine stitching (closer supervision)Combine fabrics to create more useful properties |  |
| **Year 6** |  |  | **Food**ChefsFood heroesDesigning a healthy menuConsider influence of chefs e.g. Jamie Oliver and school meals, Hugh Fearnley-Whittingstall and sustainable foodsDevelop an understanding of a healthy diet (using the eatwell plate) and apply in their ingredient choicesKnow where and how ingredients are grown and processed |  | **Combining learning from across DT skill bases** – structures, mechanical systems, electrical systems, ICT programming and controlUse the correct terminology for tools, materials and processesUse bradawl to mark hole positionsUse hand drill to drill tight and loose fit holesCut strip wood, dowel, square section wood accurately to 1mmJoin materials using appropriate methodsBuild frameworks to support mechanismsStiffen and reinforce complex structuresUse electrical systems such as motorsProgram, monitor and control using ICT |