**Design Technology KS3 Progression Pathway - Textiles Juggling balls**

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| Strand | Working towards | 1-3 | 4-5 | 6-9 |
| **Investigation, Analysis & Evaluating** | Limited Research  Limited testing of prototype against the design brief or specification.  Evaluation is limited to personal views of juggling balls, | Some research into fibres and fabrics.  A basic **design specification** has been developed meeting brief.  Some consideration of user or target market.  Evaluation is limited to the strengths and weaknesses of the juggling balls. | Research into fibres and fabrics.    A **design specification** has been developed, in response to a given brief.  Target market or user requirements has been considered.  Some **reflection upon feedback** received from third parties and some analysis of problems met and solutions.  Aspects of the prototype(s) have been tested against the design brief or specification.  Areas for improvement identified and some solutions suggested. | Independent detailed research into fibres and fabrics.  .  A **design specification** has been developed with reasonable justifications, in response to a given brief.  R**eflection upon feedback** received from third parties and some analysis and evaluation of problems encountered.  Aspects of the prototype(s) have been tested against the design brief or specification.  Areas for improvement identified and exact solutions suggested or modelled. |
| **Designing** | No initial ideas.  Used ready made juggling ball pattern.  Limited consideration of the materials selected.sd | Design ideas have been developed using knowledge of hand and machine decorative stitches.  Some basic experimentation and development work through a basic range of 2D/3D techniques.  Help required to produce a reasonably accurate pattern to make juggling balls.  Basic development of at least one model. | Imaginative design ideas have been proposed using knowledge of hand and machine decorative stitches, and understanding of placement on fabric.  Models developed and refined.  Some experimentation and development work.  Can produce an accurate pattern to make the juggling balls following instructions.  Development of at least one model. | Creative, imaginative ideas have been proposed and developed using knowledge of decorative techniques, while also considering functionality and aesthetics.  Experimentation and development work is evident, using a wide range of 2D/3D .  Accurate juggling ball pattern with correct markings produced.  Appropriate materials/components selected. |
| **Making** | Tools, materials and equipment have been used but needed close supervision.  Has required help to assemble juggling balls. | Basic level of decorative stitches and making skills.  Inaccurate and/or partially complete juggling balls.  Tools, materials and equipment requiring minimal supervision. | Products shows good level of decorative stitches and making skills.  Accurate assembly – juggling balls all the same size.  Tools, materials and equipment have generally been operated correctly and safely. | High level of making/finishing skills  All specified tolerances have been met.  Relevant tools, materials and equipment have been consistently operated at an exceptionally high level, both skilfully and safely. |