

KS3 GRADE DESCRIPTORS FOR DESIGN TECHNOLOGY AND FOOD TECHNOLOGY

	Design Identifying & investigating design opportunities. Generating & developing design ideas.	Make Manufacturing a prototype.	Evaluate Analysing & evaluating design decisions & prototypes.	Technical knowledge
Emerging	Lists few problems or opportunities within the design brief. Has a potential user, but with little consideration to their needs. Shows limited ability to communicate simple ideas to others. Limited details of materials, dimensions, production techniques mentioned. Basic or no use of testing to evolve ideas.	Used basic making skills to produce a partially functioning prototype. Lists basic stages of production with limited detail. Used tools, equipment & machinery with support & limited accuracy.	Lists some modifications & strengths of the final prototype. Limited evaluation of design ideas & decisions. Basic or no responding to feedback from others.	Identify names of some tools, equipment, machinery. To know names and basic properties of some materials. Knowledge of some practical techniques and processes. Basic knowledge of some Health & safety rules. To know basic units of measurement.
Developing	Describes some problems or opportunities within the design brief which has informed the development of possible design ideas. Identified a potential user with good consideration to their needs. Demonstrates a good use of skills to communicate average ideas to others. Basic details of materials, dimensions and production techniques mentioned. Some testing with consideration completed to evolve ideas.	Used appropriate making skills & processes to produce a functioning prototype. Describes some relevant stages of production. Used tools, equipment & machinery safely with some accuracy.	Identifies some modifications & strengths of the final prototype. Produces a basic evaluation of design ideas & decisions. Responds to feedback from others.	Identify the names of most tools, equipment and machinery. To know names, properties and uses of a range of materials. To know the importance of Health & Safety rules. To know measurements in cm and mm.
Secure	Some analysis of several problems or opportunities within the design brief which has informed the development of design ideas. Analysed a potential user in detail with consideration of their needs and wants. Clearly communicates a range of ideas to others. Comprehensive range of details including materials and dimensions. Effective use of testing to evolve ideas.	Used appropriate making skills & processes to produce a good quality functioning prototype. Describes relevant stages of production in detail. Used tools, equipment & machinery safely with good accuracy.	Identifies a variety of modifications & strengths of the final prototype. Produces a good evaluation of design ideas & decisions. Good use of responding to feedback from others.	Identify the names of most tools, equipment and machinery. To know names and uses of a range of materials. To be able to identify hazards highlighted by the safety rules. To be able to measure accurately.
Advanced	Detailed analysis of several problems or opportunities within the design brief which has informed the development of high quality and unique design ideas. Analysed a potential user in detail with consideration of their needs, values & wants, including reflection. Demonstrates a sophisticated use of skills to clearly communicate a range of ideas to others. Comprehensive range of details including materials, dimensions & production techniques. Clear, detailed & effective use of testing to evolve own ideas.	Used a range of making skills & processes to produce a high quality functioning prototype. Clearly communicates relevant stages of production in detail. Used tools, equipment & machinery safely with independence & accuracy.	Respond to feedback from others & clearly identifies opportunity for development of the final prototype. Undertakes critical analysis & evaluation of designs & prototypes throughout.	Identify the names, uses and hazards of tools, equipment and machinery. To justify the use of tools for set tasks To know names, properties and uses of a range of materials. To be able to measure accurately within a tolerance. To be able to suggest control measures for hazards identified.