

Key Stage 3 Assessment ladder

Year 7 – Design and Technology

Designing: D&T (Materials)					
Exceeding	My work shows a clear and thorough understanding of the design brief and the user needs	I can identify and explain a range of keywords with excellent detail	I can write a detailed design specification, and this clearly influences my design work	My design is detailed, drawn with care and rendered neatly	I have labelled the materials, equipment and features along with reasons for their choice/suitability
Securing	My work shows a good understanding of the design brief and the user needs	I can identify and explain a range of keywords with good detail	I can write a design specification and use this to influence my design work	My design is detailed, drawn with care and coloured	I have labelled the materials, equipment and features with some reasons for their choice
Demonstrating	My understanding of the brief and some user needs are shown in my work	I can identify and explain a range of keywords	I can write a simple design specification and use this to influence my work	My design is drawn with care and coloured (I might start to use some (3D shapes)	I have labelled materials and features and included some reasons for choice
Approaching	I understand the design brief and some user needs	I can identify and explain some keywords	I can write a simple design specification	I can draw and colour a basic design	I have labelled most of my materials and features
Working towards	I understand the design brief	I can identify keywords	I can use a design specification in my design work	I can draw a basic design in pencil (mainly 2 D)	I have labelled some of my materials and features

Making: D&T (Materials)

Exceeding	I can name and find all hand tools and equipment I require, with independence	I can identify the properties of most materials/components I have used	I can use the drilling machine safely and accurately on my own	I can use a template and a steel rule to mark out my work accurately on my own	I can use a range of files and abrasive papers to shape and smooth the edges of the material to create an accurate 'finish'	My work has been completed to an excellent standard. It is consistent and well made
Securing	I can name and find all hand tools I require, with guidance	I can identify the properties of some Materials/components I have used	I can use the drilling machine safely on my own and accurately with some guidance	I can use a template and a steel rule to mark out my work accurately	I can use a file and abrasive paper to shape and smooth the edges of the material to create an appropriate 'finish'	My work has been completed to a high standard. It is neat, tidy and well made
Demonstrating	I can name and find some of the hand tools I have used	I can name and identify most materials/components I have used	I can use the drilling machine safely and on my own	I can use a template and a steel rule to mark out my work carefully	I can shape and smooth the edges of the material to create a suitable 'finish'	My practical outcome has been completed to a good standard
Approaching	I can name some of the hand tools I have used	I can name some materials/components I have used	I can use the drilling machine safely	I can use a template and steel rule to mark out my work	I can smooth the edges of the material to create a 'finish'	My practical outcome has been completed to a reasonable standard
Working towards	I can name some hand tools	I can name some materials/components	I can use the drilling machine safely with guidance	I can use a template with guidance to help me mark out	I know how to smooth the edges of the material to create a 'finish'	My practical outcome has been completed

Evaluating : D&T (materials)

Exceeding	I can use accurate punctuation, grammar and paragraphs	You have identified strengths of your practical outcome and explained with some detail	You have identified improvements of your practical outcome and explained with some detail	I can use my strengths and weaknesses to influence possible materials/design changes	I have explained my description of the finish, quality and function of my product	My work is complete to an excellent standard. It is consistent, neat and well presented
Securing	I can use accurate punctuation and grammar.	You have identified strengths of your practical outcome and explained some of them	You have identified improvements of your practical outcome and explained some of them	I can suggest possible material/design changes to my product with reasons why	I have used a variety of adjectives to describe the finish, quality and function of my product	My work is complete to a very high standard. It is neat and tidy and well presented
Demonstrating	I can use some punctuation and grammar.	You have identified multiple strengths of your practical outcome	You have identified multiple improvements of your practical outcome	I can suggest possible material/design changes to my product	I can use adjectives to describe the finish, quality and function of my product	My work has been complete to a very good standard and is well presented
Approaching	I can use sentences to construct my evaluation	You have identified two strengths of your practical outcome	You have identified two areas to improve your practical work	I can suggest one possible material/design change to my product with a reason why	I can describe finish and the quality of my product	My work is complete to a good standard
Working towards	I have written my evaluation using bullet points	You have identified one strength of your practical outcome	You have identified one area to improve your practical work	I can suggest one possible material/design change to my product	I can describe the 'finish' of my product	My work is complete to a reasonable standard

Assessment ladder

Year 8 – Design and Technology

Designing: D&T Materials					
Exceeding	My design work fully reflects the design brief and the user needs	I can justify my selection of keywords and use this in most areas of my design specification	I can write a detailed design specification and my design and choice of materials and equipment reflect my planning	My design is detailed, and closely reflects my ideas. It is rendered well and includes shading and tone	I have labelled all materials, equipment and features with the reason for choice and I start to consider environmental issues
Securing	My design work clearly demonstrates my understanding of the design brief and the user needs	I can identify and explain a range of keywords with excellent detail and use this in some areas of my design specification	I can write a detailed design specification and use this to influence different elements of my design work	My design is detailed, and closely reflects my ideas. It is rendered well	I have labelled key materials, equipment and features along with reasons for choice /suitability
Demonstrating	My work shows a clear and thorough understanding of the design brief and the user needs	I can identify and explain a range of keywords with excellent detail	I can write a detailed design specification, and this clearly influences my design work	My design is detailed, drawn with care and rendered neatly with 3D work	I have labelled the materials, equipment and features along with reasons for their choice/suitability
Approaching	My work shows a good understanding of the design brief and the user needs	I can identify and explain a range of keywords with good detail	I can write a design specification and use this to influence my design work	My design is detailed, drawn with care and coloured and includes some 3D work	I have labelled the materials, equipment and features with some reasons for their choice
Working towards	My understanding of the brief and some user needs are shown in my work	I can identify and explain a range of keywords	I can write a simple design specification and use this to influence my work	My design is drawn with care and coloured (I might start to use some (3D shapes)	I have labelled materials and features and included some reasons for choice

Making: D&T Materials

Exceeding	I can name and find a wide range of equipment in the food room with some guidance	I can identify the properties of all materials/components I have used and why they have been used	I can use the disc sander safely and accurately on my own	I can use a jig and a try square to mark out my lap joints accurately on my own	I can select and use a range of materials, embellishments to improve the finish of my storage box	My work has been completed independently to a very high standard. It is neat and tidy and consistent
Securing	I can find a wide range of equipment in the food room with some assistance	I can identify the properties of all materials/components I have used	I can use the disc sander safely on my own and accurately with some guidance	I can use a jig and a try square to mark out my lap joints accurately	I can use a range of materials, embellishments to improve the finish of my storage box	My work has been completed independently to a good standard and is well presented
Demonstrating	I can name and find all hand tools and equipment I require, with independence	I can identify the properties of most materials/components I have used	I can use the disc sander safely and on my own	I can use a jig and a try square to mark out my lap joints carefully	I can use a range of files and abrasive papers to shape and smooth the edges of the material to create an accurate 'finish'	My work has been completed to an excellent standard. It is consistent and well made
Approaching	I can name and find all hand tools I require, with guidance	I can identify the properties of some Materials/components I have used	I can use the disc sander safely	I can use a jig and a try square to mark out my lap joints	I can use a file and abrasive paper to shape and smooth the edges of the material to create an appropriate 'finish'	My work has been completed to a high standard. It is neat, tidy and well made
Working towards	I can name and find some of the hand tools I have used	I can name and identify most materials/components I have used	I can use the disc sander safely with guidance	I can use a jig and a try square with guidance to help me mark out my lap joints	I can shape and smooth the edges of the material to create a suitable 'finish'	My practical outcome has been completed to a good standard

Evaluating : D&T Materials

Exceeding	I can use accurate punctuation, grammar and paragraphs. I have used connective in my work to structure my evaluation well	I can identify strengths from my practical and explain with very good detail	I can identify improvements of my practical outcome and explain with very good detail	I can make some suggestions on how to adapt or modify the product I have made	I have discussed the possible reasons for the finish quality and function of my product
Securing	I can use accurate punctuation, grammar and paragraphs to write a well-structured evaluation	I can identify strengths from my practical and explain with good detail	I can identify improvements of my practical outcome and explain with good detail	I can use my strengths and weaknesses to select and discuss possible material/design changes	I have given some reasons for the finish quality and function of my product
Demonstrating	I can use accurate punctuation, grammar and paragraphs	I can identify strengths of my practical outcome and explain with some detail	I can identify improvements of my practical outcome and explain with some detail	I can use my strengths and weaknesses to influence possible materials/design changes	I have explained my description of the finish, quality and function of my product
Approaching	I can use accurate punctuation and grammar.	I can identify strengths of my practical outcome and explain some of them	I can identify improvements of my practical outcome and explain some of them	I can suggest possible material/design changes to my product with reasons why	I have used a variety of adjectives to describe the finish, quality and function of my product
Working towards	I can use some punctuation and grammar.	I can identify multiple strengths of my practical outcome	I can identify multiple improvements of my practical outcome	I can suggest possible material/design changes to my product	I can use adjectives to describe the finish, quality and function of my product

Assessment ladder

Year 9 – Design and Technology

Designing: D&T Materials					
Exceeding	My design work is imaginative, creative and shows innovation. It shows and excellent understanding of the design context	My selection of keywords has been clearly used to influence my design.	My design specification is excellently written and used coherently in the development of my design.	My design is detailed and reflects my ideas and thoughts. I have used a wide range of designing techniques	I have annotated all materials, equipment and features. I have given reasons for choice and I have considered a wide range of MESS issues
Securing	My design work is imaginative and fully reflects the design brief and the user needs	My selection of keywords has been used to influence my design.	My design specification is written and used coherently. This is evident in my design.	My design is detailed and reflects my ideas and thoughts. I have used a range of designing techniques	I have labelled all materials, equipment and features. I have given reasons for choice and I have considered some environmental and sustainability issues
Demonstrating	My design work reflects the design brief and the user needs	I can justify my selection of keywords and use this in most areas of my design specification	I can write a detailed design specification and my design and choice of materials and equipment reflects elements of my planning	My design is detailed, and closely reflects my ideas. It is rendered well and includes shading and tone	I have labelled most materials, equipment and features with the reason for choice and I start to consider environmental issues
Approaching	My design work clearly demonstrates my understanding of the design brief and the user needs	I can identify and explain a range of keywords with excellent detail and use this in some areas of my design specification	I can write a detailed design specification and use this to influence different elements of my design work	My design is detailed, and closely reflects my ideas. It is rendered well	I have labelled key materials, equipment and features along with reasons for choice /suitability
Working towards	My work shows a clear and thorough understanding of the design brief and the user needs	I can identify and explain a range of keywords with excellent detail	I can write a detailed design specification, and this clearly influences my design work	My design is detailed, drawn with care and rendered neatly with 3D work	I have labelled the materials, equipment and features along with reasons for their choice/suitability

Making: D&T Materials

Exceeding	I can name and find required equipment, including specialist tools, in the workshop with little direction.	I can identify the function and discuss the properties of a wide range of commonly used materials and components	I can use an appropriate range of machinery safely and skilfully on my own	I can independently use a working drawing, rule and try square to mark out my components precisely	My practical outcome shows a high level of making/modelling/finishing skills and high levels of accuracy	My product has been completed independently and most aspects show a high level of demand and rigour
Securing	I can name and find a wide range of equipment in the workshop with independence.	I can identify the function and discuss the properties of all the materials and components I have used	I can use a range of machinery safely and skilfully on my own	I can independently use a working drawing, rule and try square to mark out my components accurately	My practical outcome shows a high level of making/modelling/finishing skills	My product has been completed independently and some aspects of it show a high level of demand
Demonstrating	I can name and find a wide range of equipment in the workshop with some guidance	I can identify the properties of all materials/components I have used and discuss why they have been used	I can use a range of machinery safely and accurately on my own	I can independently use a working drawing, rule and try square to mark out my components	My practical outcome shows a very good level of making/modelling/finishing skills	My work has been completed independently to a very high standard. It is neat and tidy and consistent
Approaching	I can find a wide range of equipment in the workshop with some assistance	I can identify the properties of all materials/components I have used	I can use some machinery safely on my own and accurately with some guidance	With some guidance, I can use a working drawing, rule and try square to mark out my components	My practical outcome shows a good level of making/modelling/finishing skills	My work has been completed independently to a good standard and is well presented
Working towards	I can name and find all hand tools and equipment I require, with independence	I can identify the properties of most materials/components I have used	I can use some machinery safely and on my own	with assistance, I can use a working drawing, rule and try square to mark out my components	My practical outcome shows a basic level of making/modelling/finishing skills	My work has been completed to an excellent standard. It is consistent and well made

Evaluating : D&T Materials

Exceeding	My evaluation is excellently written and structured. It reads fluently and includes excellent spelling, punctuation and grammar.	I can identify a variety of strengths of my practical outcome and explain with excellent detail and justification.	I can identify a variety of possible improvements of my practical outcome and explain with excellent detail and justification.	I can make some suggestions on how to adapt or modify the product I have made based on the user needs and justify my suggestions.	I can test most aspects of my design/product against the specification/ Criteria and the design context
Securing	I can use accurate punctuation, grammar and paragraphs. I have used connectives excellently to structure my evaluation.	I can identify multiple strengths of my practical outcome and explain with very good detail.	I can identify multiple improvements of my practical and explain with very good detail.	I can make some suggestions on how to adapt or modify the product I have made based on the user needs	I can test some aspects of my design/product against the specification/ criteria
Demonstrating	I can use accurate punctuation, grammar and paragraphs. I have used connective in my work to structure my evaluation well	I can identify strengths of my practical outcome and explain with very good detail	I can identify improvements of my practical outcome and explain with very good detail	I can make some suggestions on how to adapt or modify the product I have made	I have discussed the possible reasons for the finish quality and function of my product
Approaching	I can use accurate punctuation, grammar and paragraphs to write a well-structured evaluation	I can identify strengths of my practical outcome and explain with good detail	I can identify improvements of my practical outcome and explain with good detail	I can use my strengths and weaknesses to select and discuss possible material/design changes	I have given some reasons for the finish quality and function of my product
Working towards	I can use accurate punctuation, grammar and paragraphs	I can identify strengths of my practical outcome and explain with some detail	I can identify improvements of my practical outcome and explain with some detail	I can use my strengths and weaknesses to influence possible materials/design changes	I have explained my description of the finish, quality and function of my product