

Start of Key Stage 3 Level Assessment

Name: _____

Target level:

Class: _____

Levels Awarded

Task	Question Topic	Level Awarded
1	Writing a set of design criteria	
2	Designing a resistant materials product	
3	Designing a textiles product	
4	Writing a food recipe	

Overall Level
Awarded:

Additional Comments:

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Task 1

You have been asked to design a toy for a two year old child.
Write the design criteria that you would use for this toy.

	Need:
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

Marking

Tick the 'marking' box **only** if you have done what is described in the 'Have you ...' column.
The Level you achieve must have all of the boxes above it ticked.

Have you ...	Marking:			Level
	I think...	thinks...	My teacher thinks...	
... written down a list of needs that the product must satisfy?				3
... identified at least 4 different types of need that the product must satisfy? <i>E.g.: appearance, cost, safety, size, how it will work, what it could be made from, sustainability</i>				
... stated at least 6 needs in your specification?				4
... identified the constraints (the things that limit what can be made)? <i>E.g.: the material it will be made from might only be available in a certain size or the product might need to be a small size to fit into something</i>				
... stated at least 8 needs in your specification?				5
... explained why a few of the identified needs are important?				
... used your research to identify some of the design criteria?				6
... stated at least 10 needs in your specification, some of which are measurable?				
... explained why some of the identified design features are important?				7
... shown how most of the design criteria link to your research?				
... explained why most of the identified design needs are important?				8
... shown how every one of the design criteria links to your research and analysis?				
... explained why all of the identified design features are important?				8
... explained how every one of the design criteria links to your research and analysis?				

Level Awarded:

Task 2

In the space below, sketch three different design ideas for a storage unit for computer games.

Tick the 'marking' box only if you have done what is described in the 'Have you ...' column.
The Level you achieve must have all of the boxes above it ticked.

Have you ...	Marking:			Level
	I think...	I think...	My teacher thinks...	
... generated at least three design ideas?				3
... included at least 5 labels on each design idea, pointing out the important features? (e.g. how it works, what it looks like)				
... created design ideas that are clearly different from each other?				
... suggested the materials, components or ingredients to be used in your product?				
... made a comment about how your design ideas have been influenced by environmental or sustainability considerations?				4
... commented about how well your design ideas will meet the needs of the users?				
... commented about how well your designs satisfy a few of the design criteria?				
... chosen at least one of the materials, components or ingredients that you plan to use based on some of its properties?				5
... made comments about how your design has been influenced by either a social, moral, environmental or sustainability issue?				
... commented about how well your designs satisfy most of the design criteria?				
... used knowledge of their working properties to choose a few of the materials, components or ingredients that you plan to use?				6
... explained how your design ideas address at least 5 different types of need? (e.g. aesthetic, cost, user, environmental, safety, size, functional, manufacturing.)				
... given reasons for the main features of your design ideas?				
... described how your design ideas have been influenced by either a social, moral, environmental or sustainability consideration?				
... evaluated your design ideas against the design criteria?				7
... used knowledge of their working properties to choose some of the materials, components or ingredients that you plan to use?				
... shown how your design has been influenced by more than one social, moral, environmental or sustainability consideration?				
... objectively evaluated your design ideas against some of the design criteria?				
... considered the needs of the user when evaluating your design ideas?				8
... used knowledge of their working properties to choose most of the materials, components or ingredients that you plan to use?				
... explained in detail the main features of your design ideas?				
... explained how your design has been influenced by a range of social, moral, environmental and sustainability issues?				
... shown where your research has influenced your designs?				
... explained how your ideas could be made using the available equipment?				8
... objectively evaluated your designs against most of the design criteria?				
... used knowledge of their working properties to choose all of the materials, components or ingredients that you plan to use?				

Level Awarded:

Task 3

In the space below, sketch three different design ideas for a school bag that would appeal to teenagers.

Tick the 'marking' box only if you have done what is described in the 'Have you ...' column.
The Level you achieve must have all of the boxes above it ticked.

Have you ...	Marking:			Level
	I think...	think...	My teacher thinks...	
... generated at least three design ideas?				3
... included at least 5 labels on each design idea, pointing out the important features? (e.g. <i>how it works, what it looks like</i>)				
... created design ideas that are clearly different from each other?				
... suggested the materials, components or ingredients to be used in your product?				4
... made a comment about how your design ideas have been influenced by environmental or sustainability considerations?				
... commented about how well your design ideas will meet the needs of the users?				
... commented about how well your designs satisfy a few of the design criteria?				5
... chosen at least one of the materials, components or ingredients that you plan to use based on some of its properties?				
... made comments about how your design has been influenced by either a social, moral, environmental or sustainability issue?				
... commented about how well your designs satisfy most of the design criteria?				6
... used knowledge of their working properties to choose a few of the materials, components or ingredients that you plan to use?				
... explained how your design ideas address at least 5 different types of need? (e.g. <i>aesthetic, cost, user, environmental, safety, size, functional, manufacturing.</i>)				
... given reasons for the main features of your design ideas?				7
... described how your design ideas have been influenced by either a social, moral, environmental or sustainability consideration?				
... evaluated your design ideas against the design criteria?				
... used knowledge of their working properties to choose some of the materials, components or ingredients that you plan to use?				8
... shown how your design has been influenced by more than one social, moral, environmental or sustainability consideration?				
... objectively evaluated your design ideas against some of the design criteria?				
... considered the needs of the user when evaluating your design ideas?				8
... used knowledge of their working properties to choose most of the materials, components or ingredients that you plan to use?				
... explained in detail the main features of your design ideas?				
... explained how your design has been influenced by a range of social, moral, environmental and sustainability issues?				8
... shown where your research has influenced your designs?				
... explained how your ideas could be made using the available equipment?				
... objectively evaluated your designs against most of the design criteria?				8
... used knowledge of their working properties to choose all of the materials, components or ingredients that you plan to use?				

Level Awarded:

Task 4

Think of a food product that you have made at school.
Write up the recipe and instructions to make it.

Ingredients List			
Item	Quantity	Item	Quantity

STEP 1	
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STEP 2	
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STEP 3	
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STEP 4	
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Tick the 'marking' box only if you have done what is described in the 'Have you ...' column.
The Level you achieve must have all of the boxes above it ticked.

Have you ...	Marking:			Level
	I think...	thinks...	My teacher thinks...	
... listed the ingredients to be used in your product?				3
... prepared some instructions for making your product?				
... sorted the tasks or processes needed to make your product into the right order?				
... listed the tools and equipment needed to make your product?				4
... described some of the main stages needed to make your product?				
... identified the tools and equipment that could be used to make your product?				5
... generated a step-by-step list of the stages needed to make the product?				
... included details of how to use a few of the processes and techniques?				
... included safety notes wherever they are needed in the instructions for making?				6
... identified which activities during making could affect how well your final product will meet the general requirements of the design?				
... included alternative tools and processes that could be used? (E.g. if tools are not available, or to make in large quantities)				7
... included some quality control checks in your instructions for making?				
... identified some of the individual activities during making that could affect how well your final product will meet each of the design criteria?				8
... included process times and operating parameters (where appropriate)?				
... included some quality control checks?				7
... identified most of the individual activities during making that could affect how well your final product will meet each of the design criteria?				
... prepared detailed instructions that could be used by someone else (without technical expertise) to successfully make the product?				8
... included some appropriate forms of quality control?				
... identified all of the individual activities during making that could affect how well your final product will meet each of the design criteria?				

Level Awarded:

Continue on the next page if needed

STEP ____	
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STEP ____	
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This resource features edited versions of three worksheets from a set of 28 sheets that are available as an [AfL Resource Pack](#) from the Attainment in Education website. This pack is designed to produce a solution to assessment for learning at Key Stage 3 using new level criteria.

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