

DESIGN TECHNOLOGY

Year	Subject	AP	Band A	Band B	Band C
7	DesignTechnology	AP1	<p>Students can:</p> <ul style="list-style-type: none"> ● Demonstrate a range of drawing and rendering techniques following the rules. These include oblique, isometric, 1 and 2 point perspective and 3rd angle orthographic. ● Demonstrate knowledge of health and safety rules and routines and always follow them ● Demonstrate an accurate use of CAD; (working within the tolerances set) ● Identify all tools to draw basic shapes to scale, change line colours, use text and contour images in CAD independently ● Demonstrate a good understanding of how to: <ul style="list-style-type: none"> ○ Analyse an existing product with relevant points and some justification 	<p>Students can:</p> <ul style="list-style-type: none"> ● Demonstrate a range of drawing and rendering techniques mostly following the rules. These include oblique, isometric, 1 and 2 point perspective and 3rd angle orthographic. ● Demonstrate knowledge of health and safety rules and routines and follow them ● Demonstrate some accuracy with CAD; working mostly within the tolerances set ● Identify tools to draw basic shapes mainly to scale, change line colours, use text and contour images in CAD with some support ● Demonstrate an understanding of how to: <ul style="list-style-type: none"> ○ Analyse an existing product with relevant points 	<p>Students can:</p> <ul style="list-style-type: none"> ● Demonstrate some drawing and rendering techniques sometimes following the rules. These could include oblique, isometric, 1 and 2 point perspective and 3rd angle orthographic. ● Demonstrate knowledge of health and safety rules and routines and follow them with some reminders ● Demonstrate some accuracy with CAD; but not within the tolerances set ● Identify tools to draw basic shapes, change line colours, use text and contour images in CAD with support ● Start to demonstrate some understanding of how to: <ul style="list-style-type: none"> ○ Analyse an existing product with obvious points

			<ul style="list-style-type: none"> ○ Annotate designs in detail 	<ul style="list-style-type: none"> ○ Annotate designs with some detail 	<ul style="list-style-type: none"> ○ Annotate designs with obvious statements
7	DesignTechnology	AP2	<p>Students can:</p> <ul style="list-style-type: none"> ● Demonstrate knowledge of health and safety rules and routines and always follow them. ● Select and use tools correctly. ● Demonstrates an accurate use of tools, equipment and machines used to produce a product of an excellent outcome. ● Demonstrates an accurate use of CAD (working within the tolerances set) ● Identify all tools to draw basic shapes to scale, change line colours, use text and contour images in CAD independently. 	<p>Students can:</p> <ul style="list-style-type: none"> ● Demonstrate knowledge of health and safety rules and routines and follow them. ● Select and use tools correctly most of the time. ● Demonstrates a mostly accurate use of tools, equipment and machines used to produce a product of a good outcome. ● Demonstrates some accuracy with CAD; working mostly within the tolerances set. ● Identify tools to draw basic shapes mainly to scale, change line colours, use text and contour images in CAD with some support. 	<p>Students can:</p> <ul style="list-style-type: none"> ● Demonstrate knowledge of health and safety rules and routines and follow them with some reminders. ● Select and use tools correctly some of the time. ● Demonstrates some accuracy when using tools, equipment and machines to produce a product of a good outcome. ● Demonstrates some accuracy with CAD; but not within the tolerances set. ● Identify tools to draw basic shapes, change line colours, use text and contour images in CAD with support.
8	DesignTechnology	AP1	<p>Students can:</p> <ul style="list-style-type: none"> ● Demonstrate an understanding of how to: 	<p>Students can:</p> <ul style="list-style-type: none"> ● Demonstrate an understanding of how to: 	<p>Students can:</p> <ul style="list-style-type: none"> ● Start to demonstrates an understanding of how to:

		<ul style="list-style-type: none"> ○ Analyse a brief with a range of points and some details, more extended thinking evident ○ Write a design specification with relevant points and some justification ○ Analyse an existing product with relevant points and some justification ● Generate a range of design ideas demonstrating excellent drawings techniques ● Annotate designs in detail ● Produce excellent development work ● Communicate design ideas well with all information ● Demonstrate knowledge of health and safety rules and routines and always follow them. ● Demonstrate accuracy with CAD; working within the tolerances set 	<ul style="list-style-type: none"> ○ Analyse a brief with a range of points ○ Write a design specification with mostly relevant points ○ Analyse an existing product with relevant points ● Generate a range of design ideas demonstrating good drawings techniques ● Annotate designs with some detail ● Produce good development work ● Communicate design ideas well with most information ● Demonstrate knowledge of health and safety rules and routines and follow them ● Demonstrates some accuracy with CAD; working mostly within the tolerances set ● Design in CAD using a variety of tools and techniques; mostly independently. 	<ul style="list-style-type: none"> ○ Analyse a brief with obvious points ○ Write a simple or more obvious design specification ○ Analyse an existing product with more obvious points ● Generate some design ideas demonstrating some good drawings techniques ● Annotate designs with more obvious points ● Start to model to be able to test and evaluate some parts of the product ● Produce limited development work ● Communicate design ideas with some information ● Demonstrate knowledge of health and safety rules and routines and follow them with some reminders ● Demonstrate some accuracy with CAD; not within tolerances set
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			<ul style="list-style-type: none"> Design in CAD using a variety of tools and techniques independently. 		<ul style="list-style-type: none"> Design in CAD using a variety of tools and techniques; with some support.
8	DesignTechnology	AP2	<p>Students can:</p> <ul style="list-style-type: none"> Demonstrate knowledge of health and safety rules and routines and always follow them. An understanding of modelling to be able to test and evaluate products. Select and use tools, equipment and machines correctly and accurately to produce a product of an excellent quality. Demonstrates accuracy with CAD; working within the tolerances set. Design in CAD using a variety of tools and techniques independently. 	<p>Students can:</p> <ul style="list-style-type: none"> Demonstrate knowledge of health and safety rules and routines and follow them. Good understanding of modelling to be able to test and evaluate products. Select and use tools, equipment and machines correctly and accurately most of the time to produce a product of a good quality. Demonstrates some accuracy with CAD; working mostly within the tolerances set. Design in CAD using a variety of tools and techniques; mostly independently. 	<p>Students can:</p> <ul style="list-style-type: none"> Demonstrate knowledge of health and safety rules and routines and follow them with some reminders. Start to model to be able to test and evaluate some parts of the product. Select and use tools, equipment and machines correctly and accurately some of the time and produce a product of a sufficient quality. Demonstrates some accuracy with CAD; not within tolerances set. Design in CAD using a variety of tools and techniques; with some support.
9	DesignTechnology	AP1	<p>Students can:</p> <ul style="list-style-type: none"> Demonstrate an understanding of how to: 	<p>Students can:</p> <ul style="list-style-type: none"> Demonstrate an understanding of how to: 	<p>Students can:</p> <ul style="list-style-type: none"> Start to demonstrate an understanding of how to:

		<ul style="list-style-type: none"> ○ Analyse a brief with a range of points and some details, more extended thinking evident ○ Write a design specification with mainly relevant points and some justification ○ Analyse an existing product with relevant points and some justification ● Generate a range of design ideas demonstrating excellent drawing techniques and evidence of excellent development work ● Annotate designs in detail ● Demonstrate excellent modelling to be able to test and evaluate products ● Demonstrate knowledge of health and safety rules and routines and always follow them 	<ul style="list-style-type: none"> ○ Analyse a brief with a range of points ○ Write a design specification with mostly relevant points ○ Analyse an existing product with relevant points ● Generate a range of design ideas demonstrating good drawing techniques with evidence of good development work ● Annotate designs with some detail ● Demonstrate good modelling to be able to test and evaluate products ● Demonstrate knowledge of health and safety rules and routines and follow them ● Demonstrate some accuracy with CAD; working mostly within the tolerances set ● Design in CAD using a variety of tools and techniques; mostly independently 	<ul style="list-style-type: none"> ○ Analyse a brief with obvious points ○ Write a simple or more obvious design specification ○ Analyse an existing product with more obvious points ● Generate some design ideas demonstrating some good drawing techniques with evidence of some development work ● Annotate designs with more obvious points ● Start to model to be able to test and evaluate some parts of the product ● Demonstrate knowledge of health and safety rules and routines and follow them with some reminders ● Demonstrate some accuracy with CAD; not within tolerances set ● Design in CAD using a variety of tools and techniques; with some support
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			<ul style="list-style-type: none"> ● Demonstrate accuracy with CAD; working within the tolerances set ● Design in CAD using a variety of tools and techniques independently ● Evaluate products in detail by testing, gaining client feedback and comparing to the design specification with justification. 	<ul style="list-style-type: none"> ● Evaluate products by testing, gaining client feedback and comparing to the design specification. 	<ul style="list-style-type: none"> ● Evaluate some elements of the product by testing, gaining client feedback or comparing to the design specification.
9	DesignTechnology	AP2	<p>Students can:</p> <ul style="list-style-type: none"> ● Demonstrates an understanding on how to: ● Demonstrate knowledge of health and safety rules and routines and always follow them. ● Select and use tools, equipment and machines correctly and accurately to produce a product of an excellent quality. ● Demonstrates accuracy with CAD; working within the tolerances set. 	<p>Students can:</p> <ul style="list-style-type: none"> ● Demonstrates an understanding on how to: ● Good modelling to be able to test and evaluate products. ● Demonstrate knowledge of health and safety rules and routines and follow them. ● Select and use tools, equipment and machines correctly and accurately most of the time to produce a product of a good quality. ● Demonstrates some accuracy with CAD; working mostly within the tolerances set. 	<p>Students can:</p> <ul style="list-style-type: none"> ● Start to demonstrate an understanding on how to. ● Demonstrate knowledge of health and safety rules and routines and follow them with some reminders. ● Select and use tools, equipment and machines correctly and accurately some of the time and produce a product of a sufficient quality. ● Demonstrates some accuracy with CAD; not within tolerances set.

			<ul style="list-style-type: none">● Design in CAD using a variety of tools and techniques independently.● Evaluate product in detail by testing, gaining client feedback and comparing to the design specification with justification.	<ul style="list-style-type: none">● Design in CAD using a variety of tools and techniques; mostly independently.● Evaluate product by testing, gaining client feedback and comparing to the design specification.	<ul style="list-style-type: none">● Design in CAD using a variety of tools and techniques; with some support.● Evaluate some elements of the product by ever testing, gaining client feedback or comparing to the design specification
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