

Key Stage 5	Curriculum Checkpoints: What do students know and what can they do?				
Design and Technology	Developing	Securing	Mastering	Excelling	Further guidance
Design	Students can identify a range of designers and design movements	Students can describe the work of a range of designers and design movements	Students can evaluate the work of a range of designers and design movements against some socio-economic factors	Students can analyse the work of a range of designers and design movements against socio-economic factors	
Practical Skills	Students can select and use tools and machinery, including CAM, with a fair degree of skill, accuracy and precision	Students can select and use tools and machinery, including CAM, with an adequate level of skill, accuracy and precision	Students can select and use appropriate tools and machinery, including CAM, with a good level of skill, accuracy and precision	Students can select and use appropriate tools and machinery, including CAM, with a high level of skill, accuracy and precision	NEA Mark Scheme
	Students manufacture products with a fair degree of complexity and challenge	Students manufacture products with some complexity and challenge	Students manufacture products with good complexity and challenge	Students manufacture products with significant complexity and challenge	NEA Mark Scheme
	Students can manufacture partially functioning products that only just perform as intended	Students can manufacture satisfactory functioning products as intended	Students can manufacture functioning products that generally perform as intended	Students can manufacture fully functioning products that perform as intended	
	Students are developing skills in a range of processes	Students can use a range of processes	Students can use a wide range of processes	Students can expertly use a wide range of processes	
Materials	Students can identify possible materials for a product based on some properties	Students can describe which materials are suitable for products based on their properties	Students can evaluate which materials are suitable for products based on their properties	Students can analyse which materials are suitable for products based on their properties in detail	
	Students can explain how certain materials are sourced and produced	Students can describe how certain materials are sourced and produced	Students can describe in detail how certain materials are sourced and produced	Students can analyse in detail how certain materials are sourced and produced	
	Students can identify a variety of material finishes	Students can describe a variety of material finishes	Students can evaluate a wide variety of material finishes	Students can analyse why a variety of material finishes are used on certain products	
	Students can identify a variety of material enhancements	Students can describe a variety of material enhancements	Students can evaluate a wide variety of material enhancements	Students can analyse why a variety of material enhancements are used on certain products	
Commercial and Industrial Practice	Students can identify a wide range of manufacturing systems in relation to products	Students can describe a wide range of manufacturing systems in relation to products	Students can evaluate a wide range of manufacturing systems in relation to products	Students can analyse a wide range of manufacturing systems in relation to products	
	Students understand the use of CAD/CAM/ICT in design and manufacture	Students can describe the use of CAD/CAM/ICT in design and manufacture	Students can evaluate the use of CAD/CAM/ICT in design and manufacture	Students can analyse the use of CAD/CAM/ICT in design and manufacture in detail	
	Students can explain a variety of ways manufacturers keep employees and customers safe	Students can describe a variety of ways manufacturers keep employees and customers safe	Students can justify a variety of reasons why manufacturers keep employees and customers safe and how	Students can analyse the variety of ways manufacturers keep employees and customers safe and why	
	Students understand the importance of marketing and brand identity	Students can explain a range of marketing and brand identity processes	Students can describe a range of marketing and brand identity processes	Students can analyse a range of marketing and brand identity processes	Enterprise
Sustainability	Students can explain the effects global production has on culture and people	Students can describe the effects global production has on culture and people	Students can evaluate the effects global production has on culture and people	Students can analyse the effects global production has on culture and people	
	Students can explain the use of energy in manufacturing	Students can describe in detail the use of energy in manufacturing	Students can evaluate the use of energy in manufacturing	Students can critically evaluate the use of energy in manufacturing	
	Students have some understanding of consumer rights and the legislation that affects products	Students have a good understanding of consumer rights and the legislation that affects products	Students have an excellent understanding of consumer rights and the legislation that affects products	Students have a sophisticated understanding of consumer rights and the legislation that affects products	
	Students demonstrate some understanding of how to design in a sustainable way	Students demonstrate a good understanding of how to design in a sustainable way	Students demonstrate an excellent understanding of how to design in a sustainable way	Students demonstrate an excellent understanding of how to design in a sustainable way through critical evaluation	