

<i>Subject content</i>	<i>Boardworks presentations</i>
Unit 1: Written Paper	
Materials and Components	
Design and Market Influences	
Designers	
Techniques and Processes	Introducing Graphic Products
Sketching	Drawing
Enhancement	Drawing
Presentation	ICT in Graphic Products
Pictorial drawings	Drawing
Working drawings	Drawing
Surface development (net)	ICT in Graphic Products
Information drawings	Systems and Control

<i>Subject content</i>	<i>Boardworks presentations</i>
Paper and Card Engineering	
Products and Applications	Introducing Graphics Products
Evaluation Techniques	Evaluation Techniques
Social, Cultural, Moral, Environmental, Economic and Sustainability Issues	Social, Cultural, Moral and Environmental Issues
Economic	Social, Cultural, Moral and Environmental Issues Industrial Practices
Sustainability	Social, Cultural, Moral and Environmental Issues Industrial Practices
Information and Communication Technology	ICT in Graphic Products
Health and Safety Issues	Health and Safety

<i>Subject content</i>	<i>Boardworks presentations</i>
Processes and Manufacture	
Systems and control procedures	Systems and Control
Industrial Practices	Industrial Practices

Stage	Subject content	Boardworks presentations
	Unit 1 Creative Design and Make Activities	
1	Investigate	
1.1	Analysing the brief	
1.2	Research	Evaluation Techniques
1.3	Specification	Evaluation Techniques
2	Design	
2.1	Initial ideas	Developing Your Ideas
2.2	Review	Evaluation Techniques
2.3	Communication	Designing and Developing Ideas
3	Develop	
3.1	Development	Designing and Developing Ideas ICT in Graphics Product
3.2	Final design	Designing and Developing Ideas Evaluation Techniques
4	Plan	
4.1	Production plan	
5	Make	

Stage/ Topic	Subject content	Boardworks presentations
5.1	Quality of manufacture	ICT in Graphics Products
5.2	Quality of outcome	
5.3	Health and safety	Health and Safety
6	Test and Evaluate	
6.1	Testing and evaluating	Evaluation Techniques
	Unit 2 Knowledge and Understanding of Graphics Products	
1	Materials and components	
1.1	Paper and board	Materials
1.2	Metals	Materials
1.3	Polymers	Materials
1.4	Glass	
1.5	Woods	
1.6	Composites	
1.7	Modern and smart materials	

Stage	Subject content	Boardworks presentations
1.8	Components	Graphic Media
2	Industrial and Commercial Processes	
2.1	Scale of production	Industrial Practices
2.2	Modelling and prototyping	ICT in Graphics Products
2.3	Forming techniques	Industrial Practices
2.4	Joining techniques	Graphic Media
2.5	Finishing techniques	Materials
2.6	Printing process	Printing
2.7	Health and safety	Health and Safety
3	Analysing Products	
3.1	Specification criteria	Evaluation Techniques Materials
3.2	Materials and components	Materials

Stage	Subject content	Boardworks presentations
3.3	Manufacturing processes	Industrial Practices Introducing Graphic Products
4	Designing products	
4.1	Specification criteria	Developing Your Ideas Industrial Practices
4.2	Designing Skills	Developing Your Ideas Evaluation Techniques
4.3	Application of knowledge and understanding	Materials
5	Technology	
5.1	Information and communication technology	ICT in Graphics Products
5.2	Digital media and new technology	
5.3	Computer-aided design/computer aided manufacturing (CAD/CAM) technology	ICT in Graphics Products
6	Sustainability	
6.1	Minimising waste production	Industrial practices Social, Cultural, Moral and Environmental Issues

Stage	Subject content	Boardworks presentations
6.2	Renewable sources of energy	Cooking Choices
6.3	Climate change	
7	Ethical design and manufacture	
7.1	Moral, social and cultural issues	Social, Cultural, Moral and Environmental Issues

Subject content	Boardworks presentations
Unit A531: Introduction to Design and Making	
Demonstrate creativity	Introducing Graphics Products
Demonstrate designing skills	Introducing Graphics Products Evaluation Techniques ICT in Graphic Products
Demonstrate good making skills	Introducing Graphics Products Evaluation Techniques ICT in Graphic Products Drawing
Demonstrate critical evaluation skills	Evaluation Techniques
Unit A532: Sustainable Design	
The 6 Rs	Social, Cultural, Moral and Environmental Issues Industrial Practices
Product analysis and the design of products	Social, Cultural, Moral and Environmental Issues Industrial Practices

Subject content	Boardworks presentations
Unit A533: Making Quality Products	
Develop and demonstrate designing skills	Evaluation Techniques Drawing ICT in Graphic Products Developing Your Ideas
Demonstrate good making/workshop skills	Evaluation Techniques Drawing ICT in Graphic Products Graphic Media
Demonstrate critical evaluation skills	Evaluation Techniques
Unit A534: Technical Aspects of Designing and Making	
The general classification of graphic material	Materials Graphic Media
Physical and aesthetic properties of graphic media	Materials Graphic Media
Joining materials	

Subject content	Boardworks presentations
Smart and modern materials	Materials
Environmental and sustainability issues	Social, Cultural, Moral and Environmental Issues
Design	Evaluation Techniques Drawing ICT in Graphic Products Developing Your Ideas
Product planning	Industrial Practices Social, Cultural, Moral and Environmental Issues Developing Your Ideas
Tools and equipment	Materials
Processes	Drawing
Computer applications	ICT in Graphic Products
Health and safety	Health and Safety
Quality	Graphic Media Drawing Evaluation Techniques

<i>Subject content</i>	<i>Boardworks presentations</i>
Product analysis	Evaluation Techniques Social, Cultural, Moral and Environmental Issues
Environmental and sustainability issues	Social, Cultural, Moral and Environmental Issues