








Content

-  Pods
-  Check & Challenge
-  Ready Made Assignment
-  Additional Resources
-  In Production





















































Design & Technology






AQA

Getting Ready for KS4 (GCSE)

Getting Ready for KS4 (GCSE) Design and Technology

Getting Ready for KS4 (GCSE)	GRF-01-001		
Natural Timbers	DT-06-003		
Manufactured Timber Boards	DT-06-004		
Metals and Alloys	DT-06-005		
Thermoforming Polymers	DT-06-006		
Thermosetting Polymers	DT-06-007		
Material Properties	DT-06-011		
Primary Sources and Origins of Materials	DT-52-001		
The Six Rs	DT-15-002		
Generating Imaginative and Creative Design Ideas (Part 1)	DT-10-001		
Generating Imaginative and Creative Design Ideas (Part 2)	DT-10-002		
Exploring and Developing Ideas	DT-10-003		
Communicating Your Design Ideas (Part 1)	DT-11-001		
Communicating Your Design Ideas (Part 2)	DT-11-002		
Communicating Your Design Ideas (Part 3)	DT-11-003		
Scales of Production	DT-19-001		
How to Shape and Form	DT-53-002		
Case Study: Marcel Breuer	DT-09-011		
Case Study: Norman Foster	DT-09-012		
Case Study: Alec Issigonis	DT-09-013		
Case Study: William Morris	DT-09-014		
Case Study: Gerrit Rietveld	DT-09-019		
Case Study: Charles Rennie Mackintosh	DT-09-020		
Case Study: Ettore Sottsass	DT-09-022		
Case Study: Philippe Starck	DT-09-023		

Symbol Keys























 Pods
  In production
  Check & Challenge
  Ready Made Assignment
  Additional Resources

Case Study: Vivienne Westwood



DT-09-024  

Core Technical Principles

New and Emerging Technologies

Industry	DT-01-001		
Enterprise	DT-01-002		
Sustainability	DT-01-003		
People	DT-01-004		
Culture	DT-01-005		
Society	DT-01-006		
Environment	DT-01-007		
Production Techniques & Systems (Part 1)	DT-01-008		
Production Techniques & Systems (Part 2)	DT-01-009		
Critical Evaluation of Design Decisions (Part 1)	DT-01-010		
Critical Evaluation of Design Decisions (Part 2)	DT-01-011		



Energy Generation and Storage

Fossil Fuels	DT-02-001		
Nuclear Power	DT-02-002		
Renewable Energy	DT-02-003		
Energy Storage Systems	DT-02-004		





Developments in New Materials

Modern Materials	DT-03-001		
Smart Materials	DT-03-002		
Composite Materials	DT-03-003		
Technical Textiles	DT-03-004		

Systems Approach to Designing

Inputs and Outputs	DT-04-001		
Processes	DT-04-002		

Mechanical Devices

Types of Movement	DT-05-001		
Changing Magnitude and Direction of Force: Levers	DT-05-002		

Symbol Keys



Pods



In production





Check & Challenge



Ready Made Assignment



Additional Resources

Changing Magnitude and Direction of Force: Linkages and Rotary Systems DT-05-003  

Materials and Their Working Properties

Paper DT-06-001  

Boards DT-06-002  

Natural Timbers DT-06-003  

Manufactured Timber Boards DT-06-004  

Metals and Alloys DT-06-005  

Thermoforming Polymers DT-06-006  

Thermosetting Polymers DT-06-007  

Textiles (Part 1) - Natural Fibres DT-06-008  

Textiles (Part 2) - Synthetic Fibres and Blended Fibres DT-06-009  

Textiles (Part 3) - Constructing Fabrics DT-06-010  

Material Properties DT-06-011  

Papers and Boards

Selection of Materials or Components

Choosing Materials and Components DT-13-001  

Specialist Tools and Equipment

Specialist Tools and Equipment DT-24-001  

Tolerances

Tolerances DT-22-001  

Forces and Stress

Manipulating Materials and Objects to Work with Forces and Stress DT-14-001  

Enhancing Materials to Resist and Work with Forces and Stress to Improve Functionality DT-14-002  

Ecological and Social Footprint

Ecological Issues in Design and Manufacture DT-15-001  

The Six Rs DT-15-002  

Social Issues in Design and Manufacture DT-15-003  

Sources and Origins

Primary Sources and Origins of Materials DT-16-001  

Symbol Keys



Pods



In production



Check & Challenge





Ready Made Assignment





Additional Resources

Using & Working with Materials

Properties of Materials and Modifying
Properties for Specific Purposes



DT-17-001  

How to Shape and Form

DT-17-002  



Stock Forms, Types and Sizes

Stock Forms, Types & Sizes

DT-18-001  



Scales of Production

Scales of Production



DT-19-001  

Specialist Techniques and Processes



The Use of Production Aids

DT-20-001  



Tools, Equipment and Processes

DT-20-002  



How Materials are Cut, Shaped and Formed
to a Tolerance

DT-20-003  

Commercial Processes and Quality Control



DT-20-004  

Specialist Techniques and Processes



DT-20-005  

Material Management

Cutting Materials Efficiently and Minimising
Waste



DT-23-001  

Using Marking-Out Methods, Data Points and
Coordinates

DT-23-002  

Surface Treatments and Finishes



Surface Treatments and Finishes

DT-21-001  



Metal-Based Materials

Forces and Stress

Manipulating Materials and Objects to Work
with Forces and Stress



DT-38-001  

Enhancing Materials to Resist and Work With
Forces and Stress to Improve Functionality



DT-38-002  

Ecological and Social Footprint



Ecological Issues in Design and Manufacture

DT-39-001  

The Six Rs



DT-39-002  

Social Issues in Design and Manufacture

DT-39-003  

Sources and Origins

Primary Sources and Origins of Materials

DT-40-001  

Symbol Keys



Pods



In production



Check & Challenge



Ready Made Assignment



Additional Resources

Using and Working With Materials





Properties of Materials	DT-41-001		
Modifying Properties for Specific Purposes	DT-41-002		

Stock Forms, Types and Sizes

Stock Forms, Types and Sizes	DT-42-001		
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Polymers





Forces and Stress

Manipulating Materials and Objects to Work with Forces and Stress	DT-50-001		
Enhancing Materials to Resist and Work with Forces and Stress to Improve Functionality	DT-50-002		

Sources and Origins







Primary Sources and Origins of Materials	DT-52-001		
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Using and Working With Materials







Properties of Materials and Modifying Properties for Specific Purposes	DT-53-001		
How to Shape and Form	DT-53-002		

Designing and Making Principles



Investigation, Primary and Secondary Data

Using Data to Understand Client and/or User Needs (Part 1)	DT-07-001		
Using Data to Understand Client and/or User Needs (Part 2)	DT-07-002		
Writing a Design Brief and Producing a Design and Manufacturing Specification	DT-07-003		

Communication of Design Ideas






Communicating Your Design Ideas (Part 1)	DT-11-001		
Communicating Your Design Ideas (Part 2)	DT-11-002		
Communicating Your Design Ideas (Part 3)	DT-11-003		







Environmental, Social and Economic Challenges

Environmental, Social and Economic Challenges	DT-08-001		
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Design Strategies

Symbol Keys

 Pods
  In production
  Check & Challenge
  Ready Made Assignment
  Additional Resources

Generating Imaginative and Creative Design Ideas (Part 1)	DT-10-001		
Generating Imaginative and Creative Design Ideas (Part 2)	DT-10-002		
Exploring and Developing Ideas	DT-10-003		

Prototype Development






Prototype Development	DT-12-001		
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The Work of Others



















Case Study: Gap	DT-09-001		
Case Study: Primark	DT-09-002		
Case Study: Under Armour	DT-09-003		
Case Study: Zara	DT-09-004		
Case Study: Alessi	DT-09-005		
Case Study: Apple	DT-09-006		
Case Study: Braun	DT-09-007		
Case Study: Dyson	DT-09-008		
Case Study: Coco Chanel	DT-09-009		
Case Study: Harry Beck	DT-09-010		
Case Study: Marcel Breuer	DT-09-011		
Case Study: Norman Foster	DT-09-012		
Case Study: Alec Issigonis	DT-09-013		
Case Study: William Morris	DT-09-014		
Case Study: Alexander McQueen	DT-09-015		
Case Study: Mary Quant	DT-09-016		
Case Study: Louis Comfort Tiffany	DT-09-017		
Case Study: Raymond Tempier	DT-09-018		
Case Study: Gerrit Rietveld	DT-09-019		
Case Study: Charles Rennie Mackintosh	DT-09-020		
Case Study: Aldo Rossi	DT-09-021		
Case Study: Ettore Sottsass	DT-09-022		
Case Study: Philippe Starck	DT-09-023		
Case Study: Vivienne Westwood	DT-09-024		

Supplementary Resources (D&T)

















Symbol Keys

 Pods
  In production
  Check & Challenge
  Ready Made Assignment
  Additional Resources

Resistant Materials: Tools and Processes

Introduction	DT-001-002-001		
Preparation and Marking Out	DT-001-002-002		
Cutting	DT-001-002-003		
Forming	DT-001-002-004		
Bending	DT-001-002-005		
Casting and Moulding	DT-001-002-006		
Joining Techniques	DT-001-002-007		
Health and Safety	DT-001-002-008		
Summary	DT-001-002-009		

Resistant Materials: Materials

Introduction	DT-001-001-001		
Properties of Materials	DT-001-001-002		
Wood and Manufactured Board	DT-001-001-003		
Plastics	DT-001-001-004		
Metals	DT-001-001-005		
Smart Materials	DT-001-001-006		
Composites and New Materials	DT-001-001-007		
Summary	DT-001-001-008		

Product Design: Compulsory Materials

Introduction	DT-003-001-001		
Mechanical Properties	DT-003-001-002		
Physical Properties	DT-003-001-003		
Paper & Card	DT-003-001-004		
Summary	DT-003-001-005		

Product Design: Optional Materials Part 2

Introduction	DT-003-007-001		
Ceramics	DT-003-007-002		
Textiles	DT-003-007-003		
Food	DT-003-007-004		
Electronic Components	DT-003-007-005		

Symbol Keys



Pods



In production



Check & Challenge



Ready Made Assignment







Additional Resources

Mechanical Components	DT-003-007-006		
New Materials	DT-003-007-007		
Summary	DT-003-007-008		















Product Design: Design Influence

Introduction	DT-003-004-001		
Design Movements	DT-003-004-002		
Packaging & Brands	DT-003-004-003		
Packaging and the Environment	DT-003-004-004		
Human Factors	DT-003-004-005		
Legal and Moral Issues	DT-003-004-006		
Environmental Issues	DT-003-004-007		
Summary	DT-003-004-008		






Product Design: Product Development: Making Products

Introduction	DT-003-005-001		
Tools for Cutting	DT-003-005-002		
Manufacturing Processes	DT-003-005-003		
Processes for Making Plastic Products	DT-003-005-004		
Combining Materials	DT-003-005-005		
Fixings & Bindings	DT-003-005-006		
Standard Components	DT-003-005-007		
Quality Control & Evaluation	DT-003-005-008		
Summary	DT-003-005-009		

Product Design: Industrial & Commercial Practice

Introduction	DT-003-006-001		
Methods of Production	DT-003-006-002		
Manufacturing Systems	DT-003-006-003		
Consistency of Production	DT-003-006-004		
CAD & CNC	DT-003-006-005		
CAM	DT-003-006-006		
Summary	DT-003-006-007		



















Symbol Keys

 Pods
  In production
  Check & Challenge
  Ready Made Assignment
  Additional Resources



















Textiles Technology: Materials & Components

Introduction	DT-005-001-001		
Fibres	DT-005-001-002		
Woven Fabrics	DT-005-001-003		
Knitted Fabric	DT-005-001-004		
Modern Fabrics	DT-005-001-005		
Combining Fabrics	DT-005-001-006		
Fastenings & Thread	DT-005-001-007		
Trimmings, Motifs, Labels & Electronics	DT-005-001-008		
Summary	DT-005-001-009		

Textiles Technology: Design Considerations

Introduction	DT-005-002-001		
Fit for Purpose	DT-005-002-002		
Caring for Your Material and the Law	DT-005-002-003		
Product Design	DT-005-002-004		
Material Choice & Design	DT-005-002-005		
Social & Cultural Issues	DT-005-002-006		
Moral & Environmental Issues	DT-005-002-007		
Health & Safety	DT-005-002-008		
Summary	DT-005-002-009		

Textiles Technology: Designing Products

Introduction	DT-005-003-001		
Research & Analysis	DT-005-003-002		
Product Analysis	DT-005-003-003		
Communicating Ideas	DT-005-003-004		
Developing Ideas	DT-005-003-005		
Planning for Production	DT-005-003-006		
The use of ICT in Manufacturing	DT-005-003-007		
Quality Assurance	DT-005-003-008		
Specifications & Quality Control	DT-005-003-009		

Symbol Keys



Pods



In production

























































Check & Challenge



Ready Made Assignment



Additional Resources

Summary	DT-005-003-010		
Textiles Technology: Making Products			
Introduction	DT-005-004-001		
Dyeing Fabric	DT-005-004-002		
Printing & Enhancing Fabric	DT-005-004-003		
Finishes	DT-005-004-004		
Nanomaterials & Integrated Electronics	DT-005-004-005		
Tools & Processes	DT-005-004-006		
Construction of Garments	DT-005-004-007		
Health & Safety	DT-005-004-008		
Scale of Production	DT-005-004-009		
CAD & CAM	DT-005-004-010		
Summary	DT-005-004-011		
Resistant Materials: Designing Products			
Introduction	DT-001-003-001		
Users and Needs	DT-001-003-002		
Research and Analysis	DT-001-003-003		
Product Analysis	DT-001-003-004		
Product Specification	DT-001-003-005		
Generating and Communicating Ideas	DT-001-003-006		
Development of Ideas	DT-001-003-007		
Rapid Prototyping	DT-001-003-008		
Planning	DT-001-003-009		
Evaluation	DT-001-003-010		
Summary	DT-001-003-011		
Resistant Materials: Design Considerations			
Introduction	DT-001-004-001		
Designers	DT-001-004-002		
Sustainability and the Environment	DT-001-004-003		
Social and Cultural Issues	DT-001-004-004		

Symbol Keys



Pods



In production



Check & Challenge



Ready Made Assignment




Additional Resources


Legal and moral issues DT-001-004-005  

Systems and Control DT-001-004-006  

Resistant Materials: Industrial Processes

Introduction DT-001-005-001  

Scale of Production DT-001-005-002  

Manufacturing in Quantity DT-001-005-003  

Quality Control Systems DT-001-005-004  

CAD DT-001-005-005  

CAM DT-001-005-006  


Summary DT-001-005-007  

Graphic Products: Materials & Components

Introduction DT-002-001-001  

Paper & Card DT-002-001-002  

Modelling Materials DT-002-001-003  

Plastics & New Materials DT-002-001-004  

Using Components DT-002-001-005  

Summary DT-002-001-006  

Graphic Products: Design Considerations

Introduction DT-002-002-001  


Role of the Designer DT-002-002-002  


Famous Designers DT-002-002-003  

Product Development DT-002-002-004  

Social & Cultural Issues DT-002-002-005  

Sustainability & the Environment DT-002-002-006  

Legal & Moral Issues DT-002-002-007  

Systems & Control DT-002-002-008  

Summary DT-002-002-009  

Graphic Products: Designing Products

Introduction DT-002-003-001  

Symbol Keys



Pods



In production

























































Check & Challenge



Ready Made Assignment



Additional Resources

Users, Needs, Research & Analysis	DT-002-003-002		
Generating Ideas	DT-002-003-003		
Types of Drawing	DT-002-003-004		
Enhancing Sketches & Presenting Work	DT-002-003-005		
Nets (Surface Developments)	DT-002-003-006		
Planning for Production	DT-002-003-007		
Evaluation	DT-002-003-008		
Summary	DT-002-003-009		
Graphic Products: Making Products			
Introduction	DT-002-004-001		
Tools & Equipment	DT-002-004-002		
CAD & CAM	DT-002-004-003		
Health & Safety	DT-002-004-004		
Summary	DT-002-004-005		
Graphic Products: Industrial Practices			
Introduction	DT-002-005-001		
Preparing for Production	DT-002-005-002		
Industrial Production	DT-002-005-003		
Commercial Printing Methods	DT-002-005-004		
Finishing and Packaging	DT-002-005-005		
Summary	DT-002-005-006		
Product Design: Optional Materials			
Introduction	DT-003-002-001		
Wood	DT-003-002-002		
Manufactured Materials	DT-003-002-003		
Plastics	DT-003-002-004		
Ferrous Metals	DT-003-002-005		
Non-Ferrous Metals	DT-003-002-006		
Summary	DT-003-002-007		
Resistant Materials: Components and Finishing			
Introduction	DT-001-006-001		

Symbol Keys



Pods



In production




Check & Challenge



Ready Made Assignment



Additional Resources





























Fixtures and Fittings	DT-001-006-002		
Adhesives	DT-001-006-003		
Finishes	DT-001-006-004		
Summary	DT-001-006-005		

Product Design: Product Development: Designing Products






Introduction	DT-003-003-001		
Product Evolution	DT-003-003-002		
Starting Points for Design	DT-003-003-003		
Research & Analysis	DT-003-003-004		
Generating Ideas	DT-003-003-005		
Communicating Ideas	DT-003-003-006		
Modelling & Prototypes	DT-003-003-007		
Planning & QA	DT-003-003-008		
Summary	DT-003-003-009		































Getting Ready for KS5 (A Level)

Getting Ready for KS5 (A Level) Design and Technology






Case Study: William Morris	DT-09-014		
Case Study: Philippe Starck	DT-09-023		
Case Study: Raymond Templier	DT-09-018		
Case Study: Apple	DT-09-006		
Case Study: Braun	DT-09-007		
Case Study: Dyson	DT-09-008		
Case Study: Marcel Breuer	DT-09-011		
Case Study: Ettore Sottsass	DT-09-022		
Product Analysis	DT-001-003-004		
Exploring and Developing Ideas	DT-10-003		
Generating and Communicating Ideas	DT-001-003-006		
Design Movements	DT-003-004-002		
Generating Imaginative and Creative Design Ideas (Part 1)	DT-10-001		
Generating Imaginative and Creative Design Ideas (Part 2)	DT-10-002		

Symbol Keys

 Pods
  In production
  Check & Challenge
  Ready Made Assignment
  Additional Resources

Critical Evaluation of Design Decisions (Part 1)	DT-01-010		
Critical Evaluation of Design Decisions (Part 2)	DT-01-011		
Production Techniques & Systems (Part 1)	DT-01-008		
Production Techniques & Systems (Part 2)	DT-01-009		
Properties of Materials and Modifying Properties for Specific Purposes	DT-53-001		
Primary Sources and Origins of Materials	DT-16-001		
Primary Sources and Origins of Materials	DT-52-001		
Tolerances	DT-22-001		
Legal and Moral Issues	DT-003-004-006		
Sustainability	DT-01-003		
Environment	DT-01-007		
Scale of Production	DT-001-005-002		
Industry	DT-01-001		
Rapid Prototyping	DT-001-003-008		
Prototype Development	DT-12-001		

Symbol Keys

 Pods
  In production
  Check & Challenge
  Ready Made Assignment
  Additional Resources