



Please write clearly in block capitals.

Centre number

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Candidate number

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Surname

Forename(s)

Candidate signature

I declare this is my own work.

A-level

DESIGN AND TECHNOLOGY: PRODUCT DESIGN

Paper 1 Technical Principles

Wednesday 5 June 2024

Afternoon

Time allowed: 2 hours 30 minutes

Materials

For this paper you must have:

- normal writing and drawing instruments
- a scientific calculator.

Instructions

- Use black ink or black ball-point pen. Use pencil only for drawing.
- Fill in the boxes at the top of this page.
- Answer all questions.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- If you need extra space for your answer(s), use the lined pages at the end of this book. Write the question number against your answer(s).
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information

- The marks for questions are shown in brackets.
- The maximum mark for this paper is 120.

For Examiner's Use	
Question	Mark
1–2	
3–4	
5	
6	
7–8	
9	
10–11	
12	
13–14	
15–16	
17–18	
19	
20–21	
TOTAL	

Aqa Product Design 455question Paper

**Eamonn Durkan,David Dunlop,Geoff
Westell**

Aqa Product Design 455question Paper:

AQA AS/A-Level Design and Technology: Product Design Will Potts,Julia Morrison,Ian Granger,Dave Sumpner,2018-01-08 Exam Board AQA Level AS A level Subject Design Technology First Teaching September 2017 First Exam June 2018 Encourage your students to be creative innovative and critical designers with a textbook that builds in depth knowledge and understanding of the materials components and processes associated with the creation of products Our expert author team will help guide you through the requirements of the specification covering the core technical and designing and making principles needed for the 2017 AQA AS and A level Design and Technology Product Design specification Explores real world contexts for product design Develops practical skills and theoretical knowledge and builds student confidence Supports students with the application of maths skills to design and technology Helps guide students through the requirements of the Non Exam Assessments and the written exams at both AS and A Level **MY REVISION NOTES** JULIA. SUMPNER MORRISON (DAVE.),2018 *AQA AS/a-Level Design and Technology* Will Potts,2017 Exam Board AQA Level AS A level Subject Design Technology First Teaching September 2017 First Exam June 2018 Encourage your students to be creative innovative and critical designers with a textbook that builds in depth knowledge and understanding of the materials components and processes associated with the creation of products Our expert author team will help guide you through the requirements of the specification covering the core technical and designing and making principles needed for the 2017 AQA AS and A level Design and Technology Product Design specification Explores real

GCSE D and T Graphic Products AQA Exam Practice Answers (for Workbook) Richard Parsons,2009-12-04 GCSE D T Graphic Products AQA Exam Practice Answers for Workbook **AQA GCSE (9-1) Design and Technology: Paper and Boards** Bryan Williams,Louise Attwood,Pauline Treuherz,Dave Larby,Ian Fawcett,Dan Hughes,2017-08-31 Exam Board AQA Level GCSE Subject D T First Teaching September 2017 First Exam June 2019 Build in depth understanding and inspire your students to tackle design challenges both practically and creatively with a textbook that delivers the Core Technical plus Specialist Technical and Design Making Principles needed for the 2017 AQA D T GCSE The insight of our author team will build topic knowledge including the technical principles of materials with which you are less familiar while focusing on the specialist principles of paper and boards in more depth to ensure you can navigate the specification with confidence whilst your students ideas flourish Trusted author team of specialist teachers and those with examining experience Build topic knowledge with learning objectives directly linked to the specification and short activities to reinforce understanding Develop mathematical and scientific knowledge and understanding with activities that link topics to maths and science Inspire your students as they undertake the iterative design process with examples of imaginative design and make tasks and a look at how to approach the Non Exam Assessment Check knowledge and understanding with end of topic summaries and practice questions for the written exam **AQA GCSE (9-1) Design and Technology: Textile-Based Materials** Bryan

Williams,Louise Attwood,Pauline Treuherz,Dave Larby,Ian Fawcett,Dan Hughes,2017-09-25 Exam board AQA Level GCSE Subject Design and Technology First teaching September 2017 First exams Summer 2019 Build in depth understanding and inspire your students to tackle design challenges both practically and creatively with a textbook that delivers the Core Technical plus Specialist Technical and Design Making Principles needed for the 2017 AQA D T GCSE The insight of our author team will build topic knowledge including the technical principles of materials with which you are less familiar while focusing on the specialist principles of textile based materials in more depth to ensure you can navigate the specification with confidence whilst your students ideas flourish Trusted author team of specialist teachers and those with examining experience Build topic knowledge with learning objectives directly linked to the specification and short activities to reinforce understanding Develop mathematical and scientific knowledge and understanding with activities that link topics to maths and science Inspire your students as they undertake the iterative design process with examples of imaginative design and make tasks and a look at how to approach the Non Exam Assessment Check knowledge and understanding with end of topic summaries and practice questions for the written exam

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Workbook Richard Parsons,2009-12-04 GCSE D T Graphic Products AQA Exam Practice Workbook **GCSE Design & Technology AQA Revision Question Cards** CGP Books,2019-10-09 **My Revision Notes: AQA GCSE (9-1) Design and Technology: Paper and Boards** Ian Fawcett,Debbie Tranter,Pauline Treuherz,2018-07-30 Exam board AQA Level GCSE Subject Design and Technology First teaching September 2017 First exams Summer 2019 Target success in AQA GCSE 9 1 Design and Technology with this proven formula for effective structured revision Key content coverage is combined with exam style tasks and practical tips to create a revision guide that students can rely on to review strengthen and test their knowledge This revision guide is for you if you have chosen to study papers and boards in greater depth With My Revision Notes every student can plan and manage a successful revision programme using the topic by topic planner consolidate subject knowledge by working through clear and focused content coverage test understanding and identify areas for improvement with regular Now Test Yourself tasks and answers improve exam technique through practice questions expert tips and examples of typical mistakes to avoid get exam ready with extra quick quizzes and answers to the practice questions available online

New Grade 9-1 GCSE Design & Technology AQA Exam Practice Workbook Cgp Books,2017-06-05

GCSE Design and Technology Graphic Products AQA Revision Guide Richard Parsons,2009-09-01 Full of clear revision notes and detailed diagrams for GCSE graphic products students this text covers all of the topics in the design and technology course for the AQA exam board **AQA GCSE (9-1) Design & Technology** Birdman,2017 **The Essentials of AQA** Mary James,2003 **AQA GCSE Design and Technology: Product Design** Jeff Draisey,Brian Russell,Krysia Ballance,Andrea Bennett,Nicola Deacon,2014-11 Specifically written to cover the AQA GCSE Product Design specification our student book takes a focused look at the creative and manufacturing processes of product design whilst providing

comprehensive support for the Controlled Assessment Clear learning objectives at the start of each chapter helping students focus on what they need to know Key terms reinforce learning providing definitions of key words that students need to be familiar with Includes a range of activities that develops design and making skills encouraging students to apply concepts to real life contexts **AQA GCSE Design and Technology** Eamonn Durkan,David Dunlop,Geoff Westell,2011-04-01 AQA GCSE Design and Technology Graphic Products helps your students develop a real understanding of Resistant Materials

Technology and the application of its theory Student projects illustrate the creativity at the heart of the subject and links between the projects and theory deepen knowledge and motivate students Written specifically for Graphic Products rather than adapted from a generic Design and Technology template Genuinely exciting exemplars of innovative and interesting design solutions which are analysed and linked to the AQA specification Direct links between theory and its application helping students to truly grasp underpinning knowledge and improve their written paper grades **GCSE Design and**

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Williams,Louise Attwood,Pauline Treuherz,Dave Larby,Ian Fawcett,Dan Hughes,2017-08-31 Exam Board AQA Level GCSE Subject D T First Teaching September 2017 First Exam June 2019 Build in depth understanding and inspire your students to tackle design challenges both practically and creatively with a textbook that delivers the Core Technical plus Specialist Technical and Design Making Principles needed for the 2017 AQA D T GCSE The insight of our author team will build topic knowledge including the technical principles of materials with which you are less familiar while focusing on the specialist principles of timber metal based materials and polymers in more depth to ensure you can navigate the specification with confidence whilst your students ideas flourish Trusted author team of specialist teachers and those with examining experience Build topic knowledge with learning objectives directly linked to the specification and short activities to reinforce understanding Develop mathematical and scientific knowledge and understanding with activities that link topics to maths and science Inspire your students as they undertake the iterative design process with examples of imaginative design and make tasks and a look at how to approach the Non Exam Assessment Check knowledge and understanding with end of topic summaries and practice questions for the written exam **AQA GCSE (9-1) Design and Technology: All Material Categories and Systems** Bryan Williams,Louise Attwood,Pauline Treuherz,Dan Hughes,Dave Larby,Ian Fawcett,2017-06-30 **My**

Revision Notes: AQA A-Level Design and Technology: Fashion and Textiles Julie Drake,Kate Bush,2019-03-29 **AQA AS/A-Level Design and Technology: Fashion and Textiles** Pauline Treuherz,Amanda Dick,Denise Davies,2018-03-12 Exam board AQA Level A level Subject Design and Technology First teaching September 2017 First exams Summer 2018 AS Summer 2019 A Level Encourage your students to be creative innovative and critical designers with a textbook that builds in depth knowledge and understanding of the materials components and processes associated with the creation of fashion and

textile products Our experienced author team will help guide you through the requirements of the specification covering the core technical and designing and making principles needed for the 2017 AQA AS and A level Design and Technology Fashion and Textiles specification Explores real world contexts for fashion and textiles Develops practical skills and theoretical knowledge and builds student confidence Supports students with the application of maths skills to fashion and textiles Helps guide students through the requirements of the Non Exam Assessments and the written exams at both AS and A level

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