

# Unlock Your Potential with OCR Cambridge National Level 12 Award/Certificate in Engineering Design

# OCR

CAMBRIDGE NATIONALS

Current qualifications

Engineering Design  
Award/Certificate Level 1/2

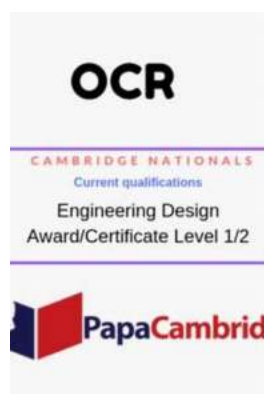


Are you passionate about designing and creating innovative solutions? Do you want to kickstart a career in engineering design? Look no further! The OCR

Cambridge National Level 12 Award/Certificate in Engineering Design is your ticket to success.

## What is OCR Cambridge National Level 12 Award/Certificate in Engineering Design?

The OCR Cambridge National Level 12 Award/Certificate in Engineering Design is a recognized qualification that equips students with the skills and knowledge needed to thrive in the fast-paced world of engineering design. This course is designed to provide a solid foundation in engineering principles, creative thinking, and problem-solving techniques.



### OCR Cambridge National Level 1/2 Award/Certificate in Engineering Design

by Jonathan Adams (Kindle Edition)

★★★★☆ 4.8 out of 5

Language : English

File size : 29559 KB

Text-to-Speech : Enabled

Screen Reader : Supported

Enhanced typesetting : Enabled

Print length : 485 pages



## Why Choose OCR Cambridge National Level 12 Award/Certificate in Engineering Design?

Here are a few reasons why you should consider pursuing the OCR Cambridge National Level 12 Award/Certificate in Engineering Design:

- **Industry-Relevant Skills:** The course is carefully tailored to meet the demands of the engineering design industry. You will gain practical

experience in using industry-standard software and tools.

- **Career Opportunities:** With this qualification, you open doors to a wide range of exciting career opportunities in various sectors such as manufacturing, technology, automotive, aerospace, and more.
- **Hands-On Learning:** The course emphasizes practical, hands-on learning, allowing you to apply the theoretical knowledge you acquire in a real-world context.
- **Expert Guidance:** You will be taught by experienced instructors who have a wealth of knowledge and industry experience. They will guide you throughout your learning journey.

## Course Structure

The OCR Cambridge National Level 12 Award/Certificate in Engineering Design is divided into several units:

### Unit 1: Engineering Design Fundamentals

In this unit, you will learn the fundamental principles and practices of engineering design. Topics covered include engineering drawing, material selection, manufacturing processes, and project management.

### Unit 2: Computer-Aided Design (CAD)

This unit focuses on developing your skills in using CAD software to create detailed technical drawings and models. You will learn about 2D and 3D modeling, assembly design, and simulation techniques.

### Unit 3: Engineering Design Project

In this unit, you will apply your knowledge and skills to complete a design project. This hands-on experience will give you a taste of what it's like to work on real-world engineering projects.

## **Unit 4: Engineering Design Practice**

This unit explores the practical aspects of engineering design, including health and safety regulations, ethical considerations, and effective communication within a design team.

### **Assessment**

Assessment for the OCR Cambridge National Level 12 Award/Certificate in Engineering Design is a combination of coursework, practical assignments, and a final examination. This ensures that you have a well-rounded understanding of the subject matter.

### **Next Steps**

If you're ready to embark on an exciting journey in engineering design, the OCR Cambridge National Level 12 Award/Certificate is the perfect starting point. Enroll today and unlock your potential!

The OCR Cambridge National Level 12 Award/Certificate in Engineering Design offers a comprehensive and practical approach to learning engineering design principles. This qualification will not only equip you with the necessary skills but also open doors to numerous career opportunities. So, take the plunge and unleash your creativity in the world of engineering design!

Keywords: OCR Cambridge National Level 12 Award in Engineering Design, OCR Cambridge National Level 12 Certificate in Engineering Design, engineering design course, career opportunities in engineering design



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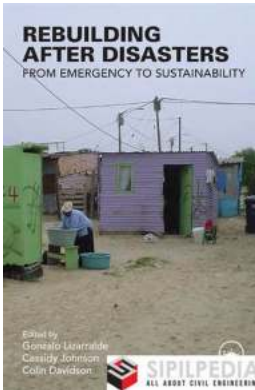
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Help your learners develop their knowledge and prepare for assessment with this brand-new classroom resource - the only textbook tailored to the Cambridge National Level 1/2 Award and Certificate in Engineering Design.

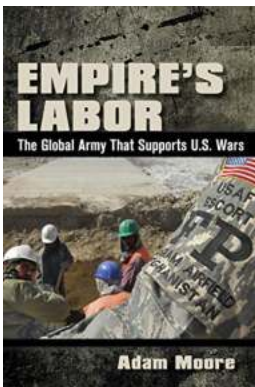
Covering all four units, this Student Book will:

- develop learners' skills and confidence in preparation for assessment with detailed guidance on each learning outcome
- contextualise knowledge with activities and case studies throughout
- include practice questions to help with unit R105: Design briefs, design specifications and user requirements
- provide expert advice to help students understand the format of the centre-assessed units and develop their portfolio of evidence.



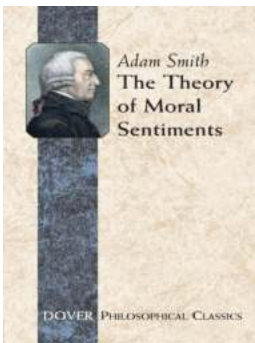
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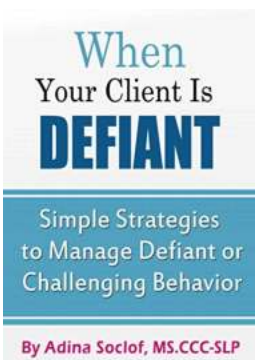
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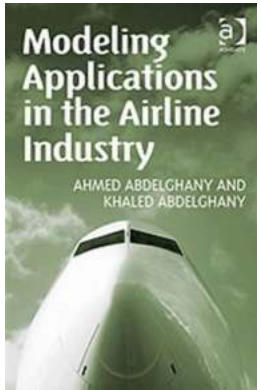
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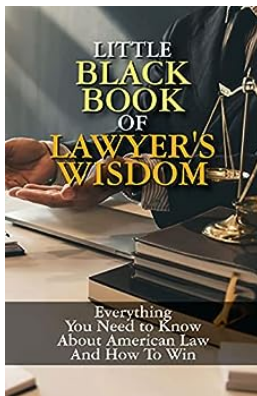
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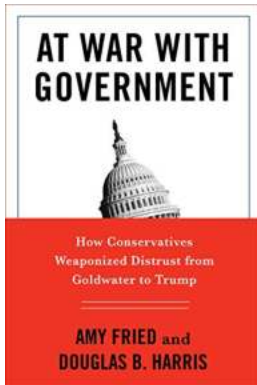
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