



### Design Issues:

Supporting the room function  
Module size, Edge detail, Shape, Colour  
Integration (lighting, ventilation, walls, partitions)  
Layout, Access and maintenance  
Void depth

### Standards and Regulations:

Approved Document E  
Building Bulletin 93  
DDA—Disability Discrimination Act  
Fire regulations—new European standard  
Sustainability and lifecycle

### Other Modules Available:

Module: 2 Room Acoustic Comfort  
Module: 3 Introduction to Acoustics in Education  
Module: 4 Acoustics in Modern Teaching & Learning Environments  
Module: 5 Acoustic Design for Healthcare  
Module: 6 Acoustics in Clean Industries

Saint-Gobain  
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**Content Learning Aims:**

Introduction to room acoustics  
Highlights the relationship between a room, the people using it and the activity taking place there  
Outlining the relevant criteria for a space

**Content Learning Outcomes:**

Fundamental knowledge of Acoustics  
Understanding of the different acoustic requirements for different types of space  
Giving confidence that a range of solutions are available

Other Modules Available:

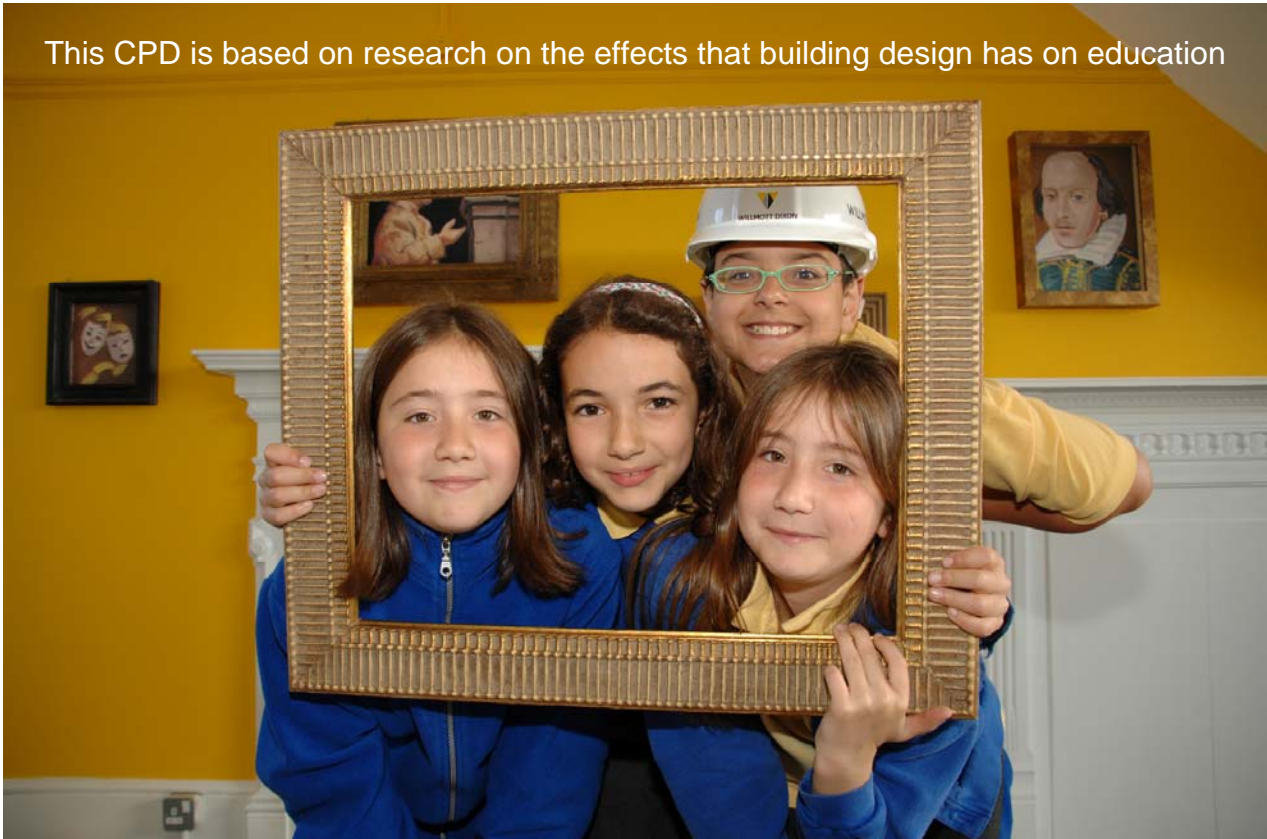
- Module: 1      Ceiling Design Solutions
- Module: 3      Introduction to Acoustics in Education
- Module: 4      Acoustics in Modern Teaching & Learning Environments
- Module: 5      Acoustic Design for Healthcare
- Module: 6      Acoustics in Clean Industries

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This CPD is based on research on the effects that building design has on education



**Pioneering Research by Herriot-Watt University:**

What do we mean by poor acoustics  
What causes acoustic problems  
How does it affect children's learning  
What are the current standards  
How can we improve acoustics in schools

**Standards and Regulations:**

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### **Content:**

Understanding the implications and contribution noise has on educational environments  
Pedagogy—the latest teaching and learning styles and exploring the changes.  
How acoustics can support the transformation of Education  
Political vision  
Bremen University Research Study  
How improved acoustic conditions lower heart rate and stress levels of teachers  
Classroom acoustic recommendations and solutions

#### Other Modules Available:

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**The importance of acoustics in Healthcare:**

The problem of Hospital Noise—The facts:  
Research & Studies into effects of noise on:  
- Essential patient sleep  
- Recovery and readmission rates  
- Staff morale & performance

**Guidance and Compliance:**

HTM 08-01  
Aims of the HTM  
Requirements and how to comply  
Practical solutions for best results

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**Content and learning aims:**

- Basic principles of good acoustics
- How noise affects people and productivity
- Health & safety legislation
- How sound absorption reduces noise
- Industry cleaning methods
- Relevant standards & regulations
- Ecophon solutions
- Environmental impact

Clean Industries include pharmaceutical production and research, food and beverage manufacturing, and clean electronics.

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