

# HAWORTH®

## Healthy and Smart Education Facilities

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### Healthy and Smart Education Facilities (One hour course)

AIA Course #: HAW540; HSW

IDCEC Course #: 5095

Subject Code: 4.5 Design Specialties: Education; 2.12 Interior Design: Sustainable/Environmental Design

**Course Description:** If everyone loves the idea of high performance educational facilities, why don't we have more of them? In this hands-on lecture, you will learn about the consequences of traditional 'lower' performance educational facilities in contrast to the characteristics and benefits of 'healthy' and 'smart' education facilities. Replacing myths with facts, case studies will demonstrate that high performance need not cost more. Leave with your own 'action plan' to gain support for and take steps towards creating high performance buildings in your own region as part of your professional practice.

#### Course Objectives:

- Identify high performance and traditional 'lower' performance characteristics of their current home and school or workplace.
- Describe the consequences of traditional 'lower' performance schools as well as the characteristics and benefits of high performing schools.
- Develop an 'action plan' listing ways to gain support for and how to take steps towards creating high performance schools in their district or as part of their design practice.

#### Content Outline:

1. Introduction and interactive 'Home/Workplace Audit' exercise.
2. Discuss why 'green' design.
3. Definition of high performance schools.
4. Top issues facing education facilities today.
5. Consequences, characteristics and benefits of high performance 'healthy' schools:
  - Indoor air quality
  - Lighting
  - Thermal comfort
  - Acoustics
6. Characteristics and benefits of high performance 'smart' schools:
  - Environmentally responsible site
  - Easy to maintain and operate
  - Technology
  - Flexible, responsive learning environment
  - Teaching tool
  - Community resource
7. Demystifying the cost argument - case studies.
8. Keys to success and resources.
9. Your personal 'action plan'.