

**Istituto Istruzione Superiore “DIONIGI SCANO- OTTONE BACAREDDA”**

**Cagliari**

**Anno Scolastico 2024-2025**

**Programma di Lingua Inglese**

**Classe 5°B CAT**

**Prof.sa Zonno M. Luisa**

**Libro di testo: BUILDING HORIZONS – Loescher**

#### **UNIT 4 BUILDING ELEMENTS**

Foundations

Walls

Stairs

Roofs

Windows

Doors

Repairs and renovation

Restoration

Adaptive reuse

Barrier removal

Modern methods of construction

#### **UNIT 5 BUILDING SYSTEMS**

The plumbing system

The drainage system

The electrical system

Cooling

Ventilation

Eco-friendly heating and cooling

Lighting

Fire detection and suppression

Security systems

Smart home of the future

#### **UNIT 6 HOUSES: IDEAS AND ISSUES**

House types in Great Britain

House styles in Great Britain

House types in the United States

House types worldwide

Building valuation

#### **UNIT 7 PUBLIC WORKS**

Roads

Bridges

Educational buildings

Gardens and parks

Flood protections

Theatres

Museums

## UNIT 8 ON THE BUILDING SITE (ED.CIVICA)

The building site: safety risks

Safety standards of materials, equipment and tools

The necessary equipment: PPE

Safety on the building site

Construction instruments

Safety legislation in Italy and the UK

## UNIT 9 URBAN PLANNING

Fundamentals of urban planning

Goals of urban planning

Urban planning in the course of history

Master plan

City areas

Transport planning

Road planning

## HISTORY OF ARCHITECTURE

The 20th and the 21st centuries

Cast-iron architecture

Art Nouveau

The rise of Modernism

Schools of Modernism

Bauhaus

Walter Gropius

Art Deco

American Modernism

Le Corbusier

Mies van der Rohe and the International Style

Italian Modernism and its masters

Late Modernism

Postmodern architecture

Antoni Gaudì

Richard Rogers

Renzo Piano

Daniel Libeskind

Zaha Hadid

Stefano Boeri

Ripasso grammaticale e allenamento prova INVALSI livello B1/B2

La docente  
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