

**ISTITUTO ISTRUZIONE SUPERIORE "L. EINAUDI" – ALBA
ANNO SCOLASTICO 2020/2021**

Classe 5D Geometri

DISCIPLINA: INGLESE

INSEGNANTE: Francesca Sitia

PROGRAMMA SVOLTO

Libro di testo: Patrizia Caruzzo con Silvana SARDI e Daniela CERRONI, “**From the Ground Up**”, Construction, Edizioni ELI

Module 0: Revision

Bio-architecture

Eco-materials

Green building

Module 1: Building materials

Stone

Granite

Travertine

Timber (advantages and disadvantages)

Preservation and restoration of wood

Brick

Cement

Steel and aluminum

Plastics

Sustainable materials

Reclaimed building materials

Module 2: Surveying and Design

Surveying

New surveying instruments

Sketch stage and working drawings

CAD

Rendering

Module 3: Building and safety

British and American houses

A brief history of skyscrapers

The Empire State Building

Italian houses

Foundations

Walls

Floors

Stairs
Roof
Thatching
Health and safety
What to wear on the building site

Module 4: Building Public Works

Roads
Bridges
The Golden Gate Bridge
Tunnels

Module 5: Building culture

The modern Movement
Le Corbusier
Frank Lloyd Wright
Richard Rogers
Norman Forster
Frank Gehry
Renzo Piano
Gaudi'

11/06/2021

L'insegnante
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