

Classe **5D**

DISCIPLINA: **INGLESE**

INSEGNANTE: Francesca Sitia

Libro di testo: Silvana SARDI con Daniela CERRONI, "ON SITE", Construction, Edizioni ELI

**Module 1: Building materials**

Stone: Granite, Travertine

Timber

Fabric

Thatch

Bricks and concrete blocks

Cement, mortar and concrete

Metals: steel and aluminum

Glass, curtain walls

Plastics

Sustainable materials

Reclaimed building materials

**Module 2: Surveying and Design**

Surveying

Equipment

New surveying instruments

Sketch stage and working drawings

CAD, Rendering, BIM

**Module 3: Building and safety**

British and American houses

A brief history of skyscrapers

The Empire State Building

Foundations

Walls

Floors

Stairs

Roof

Thatching

Windows

Health and safety

What to wear on the building site

**Module 4: Building Public Works**

Roads- Lombard Street

Bridges

The Golden Gate Bridge

Tunnels

**Module 5: Building culture**

The Modern Movement: Functionalism, Italian Rationalism

Bauhaus School

Le Corbusier

Frank Lloyd Wright

Richard Rogers

Norman Forster

Frank Gehry

Gaudi'

**CLIL module:** lezione introduttiva sul Decostruttivismo, analisi di filmato su Haha Hadid, lettura sullo stile architettonico e sul Maxxi di Roma.