

Riepilogo Attività Registro di Classe

Classe: 4ACA IST.TEC. COSTRUZIONI AMBIENTE E
TERR. TRIENNIO Sede Associata "G. Baruffi"
(ITCA)

Anno: 2025/2026

Docente: FERRUA ALESSANDRO

Materia: LINGUA INGLESE

| Attività svolta |
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| B2 use of English (grammar exercises, sentence transformation with key word) illustrato patto formativo annuale |
| Planned Oral Tests (Bracco, Mamino, Peirone) Strange Case of Dr Jekyll and Mr Hyde. Building materials: natural building materials (stones types (sedimentary rocks; metamorphic rocks; magnatic rocks) p. 50-51 Libro On Site Construction. |
| Planned Oral Tests (Garelli M., Canta, Mauro)Natural Building Materials, p. 50-51 (Stones Types and their uses, where are they quarried in the UK. Thatched roofing, (water reeds), Thatch, Wood (Da Finire), |
| Planned oral tests; Wood Seasoning Methods, Wood in construction, log framing, timber framing, platform framing, baloon framing , wood boards, wood terminology, plywood, Laminated wood. |
| wood as sustainable building material, conifers, ties, robin-tail tie, most used ties type to build furniture items , sawing process to obtain timbers, boards, lumber; main drawing types: plan, elevations, sections, etc. |
| Homework correction; Revision of sustainable materials vocabulary exercise 1,2,3, pp.62,63 Man-made materials: Brick and Concrete blocks, p. 54 Cement Mortar and Concrete p.55. |
| homework correction, steel, reinforced concrete, concrete in history, the Ro.ans first improvements of this building technique using pozzolana, cast on site concrete Pros &Cons of RAAC video ; metals Steel and Aluminium, Plastics. |
| sustainable building materials Rammed earth. and bamboo; pros and cons of these materials update your own wordlist with new terms and expressions. |
| Glass, the basics, design considerations, history, glass types, glass blocks advantages and drawbacks Curtain walls. Plastics advantages, disadvantages, uses. (thermosetting plasticis, thermosoftening plastics); the basics, design considerations, history, glass types, on classroom, ex. 1, 2, 3, p.57 ex1. p.58. |
| glass types: window panes, double glazing and their assembling, basic key glass, tempered glass, |
| glass blocks: how do the do it? video, to show the constituents and working process, different types of additives and their use in construction industry, stained glasse its medioeval origins, purpose and how they made it then and today. why is it still studied today in the UK as restauration of clerestory windows. |

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| Building Elements: Foundations, Walls, Beams, columns, Floorings, Stairs, Steps; Roofings, Function and Foundations Types, what is meant by bedrock? Works to be carried out before deciding which type of foundations we need to use. Soil samples analysis; definition of Shallow foundations; excavations, Basement, Ground floor, Levels, storeys, Definition of deep Foundations, why do they use shallow foundations in the UK? Where do we need to employ deep foundations? What is permafrost? |
| Functions of Foundations; Foundations loads; Foundations Types: Shallow Foundations: Spread Footing; Combined Footing; Mat (Raft) Foundations; Deep Foundations; Deep Strip Footing; Pile Foundations, Pier Foundations, Well Foundation. |
| Walls functions and types. |
| Class Test (Valido per Ed. Civica) building materials sustainable building materials |
| Roof construction gable to gable roofing; main parts, its usage and low pitched roof ; difference between dormer, attic, and Loft ot Penthouse. |
| Consegna e correzione individuale Class Tests |
| Windows Types and Functions; Skylight or Roof Windows, Casement windows, Sash windows, Awning Windows, Window panes, double Glazed windows, French windows, Bay windows, Vs Bow Windows, Vs Oriel Windows, dormer Windows, |
| Class test Building Elements |
| consegna e correzione individuale del test scritto. |
| Houses types in Italy: Alberobello Trulli, Scaccabarozzi house in Turin.; Boat Houses; Prefabs Start Again: when do we use Prefab Houses; the Cube Prefab House in the mountains; house boats, houses in orbit, Modern methods of construction, The Building Site: scaffolding and Fences types used to surround the Building Site; what to wear on the building site; video taken from: Grand Designs UK season 22 ep.1 Foundation type: problems faced structural engeneering |
| homework correction; boat house, modern prefab: small but perfectly funtional; houses in horbit, homeliness in the UK. |
| Sorveglianza Cinema Teatro Baretto in occasione della presentazione corpo carabinieri Progetto (PCTO) Circ. n. 159 - a. s. 2025/2026 Incontro con il Comandante dei Carabinieri di Mondovi per l'anniversario degli 80 anni della divisione interregionale Pastrengo. |

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| Class Test (Houses types, Building elements, Building Materials, Reading Comprehension, Listening Comprehension). |
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| Oral tests (recupero assenti alla verifica del 30/01/2026)) Revision of wordlist. |
| Half-timbered houses in the Uk and in the USA pp. 226-227 More about p.226 |
| Lexis Test ; Homework correction; Module 6: House Systems Plumbing Systems; Waste Disposal Systems pp. 124, 125, 126 Ex 5 Listening invalsì. |
| The LINE NEOM Project |
| Module 6: Electrical Systems. Deepened on Classroom: Alarm Systems p. 128 Update your own wordlist. |
| homework correction alarm systems heating systems.129 |
| oral tests module 4 surveying and maps 10 open answer questions reading comprehension listening |
| class test module 4 |
| domotics intelligent homes, how do home automation systems work? Smart applications,smart systems, more abuot urban farming, smart lampposts,smart bins. |
| correzione individuale dei test invalsì Reading comprehension. |
| Presentazioni su Smart Cities: A comparative analysis between NEOM project and Eko Atlantc City.; Eko Atlantic City Vs Masdar; NEOM vs. Eko Atlantic; Woven City and The Line; |
| Visita Medica obbligatoria per stage (PCTO) classi quarte come da Circ. n. 430 del 20/05/2026, al termine Listening ex. 4 p. 139. |
| la classe partecipa all'incontro "Lezione teorico/pratica sulle nuove tecnologie e strumentazioni per il rilievo architettonico e del territorio " come da circ. n.436 del 22/05/2026; l'incontro si è concluso prima del previsto, al rientro in classe Oral Test Conterno. Feedback su aspetti positivi e negativi del programma svolto di inglese Tecnico. |