



## ISTITUTO DI ISTRUZIONE SUPERIORE

*"Michelangelo Buonarroti"*

Sede Associata: Via Svezia 10 09038 Serramanna (SU)

### Programma di Lingua Inglese

**A.S. 2023/2024**

**CLASSE : 4Q - Informatica e Telecomunicazioni - art. Informatica**

**DOCENTE: Prof.ssa Daniela Urpi**

**LIBRI DI TESTO UTILIZZATI:** J. Hird, *Grammar and vocabulary for the real world*, Oxford.  
M. Ravecca, *Information technology - Skills and competences*, Minerva Scuola; materiali vari, realia, video e dispense fornite dall'insegnante.

#### CONTENUTI

##### SECTION 1: GRAMMAR AND SKILLS

Grammar: Revisione delle principali strutture e funzioni linguistiche affrontate nel biennio e nella classe terza, in particolare phonetics; present and past perfect; articles (special uses); modal verbs. The passive form; passive with *get*; relative pronouns and clauses (defining, non defining, reduced).

Skills: skimming, scanning, reading for details; chunking; recording new words/ mind maps; using a dictionary; note taking; summarizing a text; pronunciation practice; different wording.

##### SECTION 2: INFORMATION TECHNOLOGY

###### History of computers

A brief history of computers (Abacus, Napier's bones, Pascaline, Leibniz wheel, Difference engine, Analytical engine, Tabulating machine, Differential analyser, Mark I)  
Generations of computers

###### Unit 4 - The "brain of the computer"

The CPU

The first of the bricks that built the IT world

###### Unit 5 - Storage

RAM, ROM and PROM

Flash memory and virtual memory

Bringing your files with you (USB)

SSD: the new generation of personal computer storage

Your data is in the cloud.

**Unit 7 - Operating systems**

Operating systems - mind map  
Definition, features and functions, types  
GUI and BIOS  
OSs for mobile devices

**Unit 8 - Computer languages**

What is communication?  
Programming languages: low-level and high-level languages  
Object-oriented programming  
Reality task: Writing a handbook/glossary about object-oriented programming languages and Java (UDA condivisa Inglese/Informatica)

**SECTION 3: CULTURE**

**Module 1: The Elizabethan Age**

Life in Elizabethan England  
The Age of theatres and Drama: structure, features, themes  
W. Shakespeare: life and works  
*Romeo and Juliet*: reading and analysis of the balcony scene, act II, scene II - Full movie.  
*Othello* and gender-based violence; What is femicide? (English/Citizenship)  
Sonnet XVIII: reading, structure and analysis of the Elizabethan sonnet

**Module 2: Geography**

Ireland: geography, attractions, government  
The Irish question, the Troubles.  
Song: "Sunday Bloody Sunday" by U2

**SECTION 4: ACTIVE CITIZENSHIP**

The European Union; milestones, symbols, main EU institutions  
Brexit  
The Commonwealth of Nations

Serramanna, 01/06/2024

La Docente  
Daniela Urpi

Gli studenti .....  
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