



ISTITUTO DI ISTRUZIONE SUPERIORE

"Buonarroti-Volta"

Sede Associata: Via Svezia 10 09038 Serramanna (SU)

Programma di Lingua Inglese

Anno Scolastico 2024/2025

Classe: 5Q Informatica e Telecomunicazioni - Art. Informatica

Materia: Lingua Inglese

Docente: Daniela Urpi

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

Contenuti

Grammar: Revisione delle principali strutture e funzioni linguistiche affrontate negli anni precedenti (B1 level), in particolare: superlative and comparative adjectives; past perfect; if-clauses (type 0, 1, 2, 3).

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 1: INFORMATION AND COMMUNICATION TECHNOLOGY

Unit 9: Databases

An intro to the database: definition
Relational databases: main features
DBMS and queries
SQL

Unit 10: Networking

Types of area networks
Network topologies
Physical and logical topologies
Network standards and protocols
The OSI and TCP/IP models
Peer-to peer communication

Cryptography and cybersecurity (UDA condivisa Inglese/Storia/Sistemi)

Computer security
Cryptography: encryption vs decryption

Alan Turing and code-breaking
A. Turing's biography
Movie: "The imitation game"

Reality task

Writing a handbook/glossary about Databases and DBMS (UDA condivisa Inglese / Informatica)

Section 2: CULTURE/INTERCULTURE

Module 1: USA yesterday and today

Geographical features, climate
Political system; government; presidential debate
Population and ethnic composition
America's gun culture and mass shootings
The Civil Rights Movement and Martin Luther King
"I have a dream" speech (excerpt)
Listening activity: "Strange fruit" by Billie Holiday

Module 3: Oscar Wilde (UdA interdisciplinare Inglese/Italiano)

Life and works
The Aesthetic movement
The Victorian Era: society and values; British Empire
The Victorian novel and "The picture of Dorian Gray": features, plot, themes.
Reading from "*The picture of Dorian Gray*": Preface and Conclusion.

Module 4: George Orwell (UdA interdisciplinare Inglese/Italiano)

Life and works
Historical background
Propaganda and totalitarianisms:
"Animal Farm": features, characters, themes
Reading from "*Animal farm*" by G. Orwell (Chapter 6)

Exam preparation and INVALSI practice:

Simulazione prove d'esame e INVALSI;
Speaking and writing activities about all the topics in the program.

Section 3: ACTIVE CITIZENSHIP

Gun culture, Racism, discrimination and White Supremacy in the USA;
"Black Lives Matter" movement

Serramanna, 03/06/2025

La Docente

Daniela Urpi

Gli studenti