



ISTITUTO DI ISTRUZIONE SUPERIORE

"Michelangelo Buonarroti"

Sede Associata: Via Svezia 10 09038 Serramanna (SU)

Programma di Lingua Inglese

A.S. 2023/2024

CLASSE : 5Q - Informatica e Telecomunicazioni - Art. Informatica

DOCENTE: Prof.ssa Daniela Urpi

LIBRI DI TESTO UTILIZZATI: M. Menchetti, C. Matassi, *New Totally Connected* - Seconda Edizione, CLITT; J. Hird, *Grammar and vocabulary for the real world*, Oxford; testi e materiali forniti dall'insegnante.

CONTENUTI

Section 1: INFORMATION AND COMMUNICATION TECHNOLOGY

Module 5: Application packages

Database managers

What can database managers do

SQL and Query

Database inquiries

How the spreadsheet has changed accounting

Module 7: Program development

What is a computer program?

Building a program

SDLC: main steps

Writing, documenting and testing the program

Module 8: Security and Cryptography

Computer security

Cryptography: encryption vs decryption

Alan Turing and code-breaking

A. Turing's biography

Movie: "The imitation game"

Module 9: It's a wired world

Understanding networks: peer-to-peer and client server networks

Networking devices
Physical and logical topologies

Module 10: OSI and TCP/IP models

Bandwidth
The OSI and the TCP/IP models
Layer PDUs

Module 12: Finding the right career path

IT in our lives
Career opportunities for IT specialists

UDA condivisa (Inglese / Informatica)

Reality task: Writing a handbook/glossary about Databases, DBMs

Section 2: CULTURE/INTERCULTURE

Module 1: USA yesterday and today

Geographical features, climate
Political system
Population and ethnic composition
America's gun culture and mass shootings
The Civil Rights Movement

Module 3 (UdA interdisciplinare): Oscar Wilde

Life and works
The Aesthetic movement
The Victorian Era: values, Empire, patriotism and colonialism.
Reading from "*The picture of Dorian Gray*": Conclusion
Movie: "The picture of Dorian Gray"

Module 4 (UdA interdisciplinare): George Orwell

Life and works
Historical background
Propaganda and totalitarianisms
Reading : "*Animal farm*" by G. Orwell
Plot, themes, motifs and main characters of the novel

SECTION 3: ACTIVE CITIZENSHIP

Gun culture, Racism, discrimination and White Supremacy in the USA;
"Black Lives Matter" movement
UdA condivisa (Inglese/Storia/Ed. Civica): Apartheid and discrimination in South Africa

Serramanna, 15/05/2024

La Docente
Daniela Urpi

Gli studenti