



ISTITUTO DI ISTRUZIONE SUPERIORE

"Michelangelo Buonarroti"

Sede Associata: Via Svezia 10 09038 Serramanna (SU)

Programma di Lingua Inglese A.S. 2021/2022

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

Grammar:

Revision of the tenses studied in the previous years (simple present, present continuous; simple past, past continuous; future, present perfect, past perfect);
relative pronouns and clauses.

Section 1: INFORMATION AND COMMUNICATION TECHNOLOGY

Module 5: Application packages

Database managers

What can database managers do

SQL and Query

Module 7: Program development

Computer programming

What is a computer program?

Building a program: steps (understanding the problem, developing the algorithm, writing, documenting, testing and debugging)

Types of errors

Module 8: Security and Cryptography

Computer security

Encryption

Alan Turing and code breaking

Module 9: It's a wired world

Understanding networks

Types of networks: LAN, MAN, WAN, SAN, PAN and BAN

VPN

Networking devices

Topologies: physical and logical topologies.

Module 12: Finding the right career path

Career opportunities for IT specialists

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

Black Lives Matter Movement

Module 3 (UdA interdisciplinare): Oscar Wilde

Life and works

The Aesthetic movement

The Victorian Era

Reading from *"The picture of Dorian Gray"*: Preface and Conclusion.

Module 4: Bram Stoker

Life and works

"Dracula" and the gothic novel

Historical background

Reading from *"Dracula"*

Exam preparation and INVALSI practice:

INVALSI practice (B1/B2)

Speaking and writing activities about all the topics in the program.

Serramanna, 30/05/2022

La Docente

Daniela Urpi

Gli studenti

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