



## ISTITUTO DI ISTRUZIONE SUPERIORE

*"Michelangelo Buonarroti"*

Sede Associata: Via Svezia 10 09038 Serramanna (SU)

### Programma di Lingua Inglese

**A.S. 2022/2023**

**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: the passive form. modal verbs: *can/may/might; must vs have to*; comparatives; If clauses (Type 0/1/2/3); *would/wouldn't/could /couldn't* in If clauses;

#### **Section 1: INFORMATION AND COMMUNICATION TECHNOLOGY**

##### **The 21st century IT revolution:**

The Internet of Things  
Review of IoT products

##### **Module 5: Application packages**

Database managers  
What can database managers do  
Record design  
SQL and Query  
Database inquiries

##### **Module 7: Program development**

What is a computer program?  
Building a program  
Writing, documenting and testing the program

## **Module 8: Security and Cryptography**

Computer security

Encryption and decryption

Alan Turing and code-breaking

## **Module 9: It's a wired world**

Understanding networks

Networking devices

Topologies

## **Module 12: Finding the right career path (*hints*)**

IT in our lives (yesterday and today)

ICT in commerce and at work

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

### **Module 3 (UdA interdisciplinare): Oscar Wilde**

Life and works

The Aesthetic movement

The Victorian Era (social background and values)

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

### **Module 4 (UdA interdisciplinare): George Orwell**

Life and works

Historical background, Propaganda and totalitarianisms: "*Animal Farm*"

Reading from "*Animal farm*": Chapter VI

### **Exam preparation and Invalsi practice:**

Simulazione prove d'esame 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, 31/05/2023

La Docente

*Daniela Urpi*