

Istituto Istruzione Superiore “Galilei-Artiglio” - VIAREGGIO

PROGRAMMA SVOLTO a.s. 2022-2023

Classe 5 ET

Indirizzo: TELECOMUNICAZIONI

Disciplina: INGLESE

Docente: CRISTINA DONAGLIA

Dal libro di testo **BIT BY BIT ed. Edisco** sono stati trattati i seguenti argomenti:

Module 1 – THE MIND OF COMPUTERS

1) COMPUTER LANGUAGES

Low and high level languages, translation programs
First and second and third generation languages
Fourth generation languages: non procedural languages and markup languages

2) COMPUTER PROGRAMMING

Programming languages most in demand: SQL, Java, C, C#, C++, Python (cenni su fotocopia)
Mapping a program
Writing a program
Testing a documenting a program

3) OPERATING SYSTEMS

Operating systems
User interfaces
Unix, Linux and Android
Windows (cenni)

Module 2 – THE USES OF COMPUTERS

1) MAIN SOFTWARE

Word processors
Spreadsheets
Presentations
Electronic organizers
Databases

2) GRAPHICS SOFTWARE

Painting and drawing software
CAD

3) OTHER SOFTWARE PROGRAMS

Global positioning system
Virtual reality and video games
Domotics and smart homes
Business software
E-learning

Module 3 – LINKING COMPUTERS

1) COMMUNICATION NETWORKS

Telecommunications
Peer – to – peer /client -server Networks
Types of Networks
Main networks topologies

2) THE INTERNET

History of the internet
Internet connection and services
The World Wide Web, Websites and Web browsers
Search engines and web search, Wikis and Email

3) SHARING ONLINE

Social networks
Blogs and online forums
Smart TV and streaming

Module 4 – PROTECTING COMPUTERS

1) COMPUTER THREATS

Malware, adware, spam and bugs
Viruses. Worms. Crimeware and cookies

2) COMPUTER PROTECTION

Protection against risks
Network security, secure payments and copyright

Module 5 – ACTIVE CITIZENSHIP

Per il Progetto interdisciplinare di Educazione Civica sono stati trattati argomenti relativi a **Smart Home Technology – Domotics and sustainable lifestyle**.

Sono stati assegnati lavori di gruppo su tali argomenti esposti poi in classe a tutti gli studenti.

Viareggio 7 giugno 2023

L'insegnante
Cristina Donaglia

