



Istituto Istruzione Superiore "Galilei-Artiglio" - VIAREGGIO

PROGRAMMA SVOLTO a.s. 2023-2024

Classe 5 DT

**Articolazione: Settore tecnologico
Indirizzo: INFORMATICA**

Disciplina: INGLESE Docente: Stefania Palagi

Dal libro di testo CLICKABLE, English for Specific Purposes: It & Telecommunications, editrice San Marco sono stati trattati i seguenti argomenti:

**Modulo 1 – The Computer world
Job skills**

COMPUTER CLASSIFICATION

- Supercomputers
- Mainframes
- Servers and workstations

JOB SKILLS

- Giving a presentation
- Writing a good CV
- Writing an email cover letter
- Making phone calls

**Modulo 2 – Programming languages and Operating systems
PROGRAMMING LANGUAGES**

- LOW-LEVEL PROGRAMMING LANGUAGES
First generation languages(1GL) – Second-generation languages (2GL)
- HIGH-LEVEL PROGRAMMING LANGUAGES
- Third-generation languages(3GL) – Fourth-generation languages (4GL) Fifth-generation languages (5GL)

C AND C++

WEBSITE DEVELOPMENT

PHP – Java

OPERATING SYSTEMS

- Microsoft Windows – Mac OS

OPEN SOURCE SYSTEMS

- Linux

Modulo 3 - Application software

MAIN SOFTWARE

OFFICE PRODUCTIVITY SOFTWARE

- Apache OpenOffice-Google Docs

CLOUD STORAGE

- Google Drive- iCloud

DATABASES

TYPES OF DATABASES

- Relational databases-Distributed databases
- Cloud databases-NoSQL databases

GRAPHICS SOFTWARE

- Computer-aided design (CAD)

Modulo 4 – Robotics

ROBOTICS

GPS

DRONES

ARTIFICIAL INTELLIGENCE

SMART HOMES

Modulo 5 – NETWORKS

NETWORK CONFIGURATIONS

- Types of computer network

THE INTERNET AND THE WEB

- Social networks

COMPUTER OPPORTUNITIES

- Ict and education
- Online learning platforms: MOODLE
- Job and careers in technology

Modulo 6 – ICT security and best practices

MALWARE

- Viruses-Trojans-Worms

SPAM AND PHISHING

DATA ENCRYPTION

- Symmetric and asymmetric keys

THE IMPACT OF TECHNOLOGY

Environmental impact-Computers and health

Modulo di Educazione civica

Artificial Intelligence vs human intelligence: How AI will change the world.

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