



# **ISTITUTO DI ISTRUZIONE SUPERIORE**

## ***"Michelangelo Buonarroti"***

Via Velio Spano, 7 - 09036 Guspini (VS) Cod. fiscale 82002450920 - Cod. Min. CAIS009007  
**E-Mail:** CAIS009007@istruzione.it - **Web:** <<http://www.iisbuonarrotiguspini.edu.it>> / - **Tel.** 0709783042  
Sede Associata: Via Velio Spano 7 09036 Guspini (VS) - Cod. Min. CATD00901D  
Sede Associata: Via Svezia 10 09038 Serramanna (VS) - Cod.Min.CATF00901Q

---

*Programma svolto di Lingua e cultura inglese*

**Docente Prof.ssa Alessandra Puddu**  
**Classe IV sez. A**  
**indirizzo Informatica e telecomunicazioni**  
**Articolazione Informatica**

A.S. 2022 /2023

**Libro di testo:**

Menchetti M., Matassi C., *New Totally Connected*, CLITT, 2014

**Programma svolto**Grammar: Revision and reinforcing Unit

Present tenses      Present Simple + adverbs of frequency

Present continuous

Present simple vs present continuous

Past tenses      Past simple

Present perfect

Present perfect vs past simple

Passive voice (present simple, past simple, present continuous)

Reported speech

Defining and non-defining relative clauses

Module 5 – *Operating systems*

Main functions of operating systems

What is an operating system?

How an operating system controls hardware

Types of operating systems

UNIX, Linux, and Windows

Operating systems for mobile devices

Android

iOS 7's new look

Application Packages

Database managers

What can database managers do?

Module 6 – *Languages*

Programming languages: low level languages

Communicating with a computer

The first generation: machine code

The second generation: Assembly language

Programming languages: high-level languages

The third generation: people-oriented program

The fourth generation: nonprocedural languages (4GLS)

Oop and object-oriented languages

Is there a fifth generation?

Special languages

Computer language translators

Visual languages: icons for words

What is com?

HTML 5

CSS3 and XML: an overview

## Module 7 – Program development

Computer programming

What is a computer program?

Software in perspective

The first step: understanding the problem

Building a program

Developing the algorithm

Writing the program

Documenting the program

Testing and debugging the program

Errors

System flowcharts

Flowcharting

Pseudocode

Subprogram

Control structures

## Module 8 – A world of Apps – Java: a bright star

A world of Apps

Platforms

Instagram

Java: a software system for online multimedia

What is Java?

Definition of "script"

JavaScript

Java Programming Language

The Java Language

Java platform

Titles

Code comments

How to build applications and applets: application structure

### Culture

The history of English language

Thanksgiving day and Black Friday

Guspini, 06/06/2023

La Docente

Prof.ssa Alessandra Puddu

---

Gli alunni

---

---