



ISTITUTO DI ISTRUZIONE SUPERIORE

"Buonarroti-Volta"

Sede Associata: Via Svezia 10 09038 Serramanna (SU)

Programma di Lingua Inglese

Anno Scolastico 2025/2026

Classe: 3Q Informatica e Telecomunicazioni - Art. Informatica

Materia: Lingua Inglese

Docente: Daniela Urpi

LIBRI DI TESTO UTILIZZATI: M. Ravecca, *Information technology - Skills and competences*, Minerva Scuola; J. Hird, *Grammar and vocabulary for the real world*, Oxford; materiali vari, realia e dispense fornite dall'insegnante.

Contenuti

Section 1 - Grammar

- Revision of verb categories and tenses overview: talking about the present, the past and the future.
- Auxiliary, ordinary and modal verbs (patterns)
- All modal verbs with scenario: *can, could, be able to; may, might; should, ought to, must, have to, need*;

Skills: using a dictionary; understanding idioms; reading (skimming, scanning, reading for details); organizing vocabulary (mind maps) and recording new words; chunking; note taking and summarizing a text.

Section 2 - Culture

- Geography of U.K.
- Who are the British? A brief history of invasions.
- British form of government and institutions (The monarch, the Parliament, the Anglican Church)
- London's attractions and landmarks.
- A "famous" Londoner: Jack the ripper

Section 3 - Computer Science

Libro di testo : M. Ravecca, *Information technology - Skills and competences*, Minerva Scuola

Unit 0 - The computer system

- What is a computer?
- Hardware and software
- Bits and bytes
- Definitions of Data, Information, GIGO.
- Von Neumann-type computer

Unit 1 - A smart world

- The internet of Things
- Review of IoT products
- Generation Z rising

Unit 2 - Different types of computer

- A matter of scale: workstation, mainframes, supercomputers.
- Small, smaller, the smallest
- The touchscreen revolution

Unit 3 - Computer issues

- The dark side of the internet
- The anatomy of a phishing scam
- A guide to healthy computing

Unit 4 - The "brain of the computer"

- The CPU
- The first of the bricks that built the IT world
- Federico Faggin
- What are multi-core processors?

UDA condivisa (Inglese/Informatica)

Reality task: Writing a handbook/glossary about "C" programming language

Active citizenship

The battle to save the planet: Global warming and environmental issues; Environmental activism: Greenpeace, Extinction Rebellion, Fridays for Future movement, Last Generation.

Serramanna, 03/06/2026

La Docente

Daniela Urpi

Gli studenti