



ISTITUTO D'ISTRUZIONE SUPERIORE "L. EINAUDI"

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PROGRAMMA SVOLTO

Anno scolastico 2025 / 2026

Docente	QUARANTA	MARTINA
Materia di insegnamento LINGUA INGLESE		Classe 5M

LIBRI DI TESTO IN ADOZIONE

"Bit by bit", di Doretta Ardu e Roy Palmer

FINALITÀ E OBIETTIVI DISCIPLINARI

Perfezionare la padronanza della Lingua Inglese (livello medio B1/ B2), in particolar modo rinforzare le abilità di esposizione orale in vista dell'Esame di Maturità.

Acquisizione di lessico specifico in Lingua Inglese riferito alla materia di indirizzo Informatica.

CONTENUTI E ARGOMENTI SVOLTI

- George Orwell. Summer reading book "1984": how the novel is linked to our contemporary time. Orwell's life. Totalitarian State as a warning. Information, Reality, Social, Physical Control. Winston's Journey. The genre: dystopian novel - cautionary tale. "Animal farm": introduction, plot, themes. Animal farm VS 1984: differences and common points.

- "The birth and role of computers". Binary system and units of measure, analogue vs digital, history of computer. Present-day computers and their future evolution. Large computers and smaller computer. Mobile technology, wearable, handheld and embedded computers.

- "The body of computers". Integrated circuits. Transistors and microprocessors; transmission media. Hardware and software. CPU and the machine cycle. Computer memory: primary storage and secondary storage (magnetic devices, optical discs and solid-state memory). Peripheral devices: primary input devices, other input devices. Primary output devices.

- "The mind of computers". Computer programming: the three stages of building a program.

EDUCAZIONE CIVICA

- "ICT and work: health dangers connected with technology/ ICT education and culture/ ICT and the environment". Each student delivered a presentation for the speaking test following the given

guidelines on a chosen topic (Title slide: name, topic, and a brief subtitle. Introduction: why the topic is relevant. Key definitions: essential ICT terminology. Current situation/ data: supported by charts or factual evidence. Use of ICT in the field. Benefits and advantages. Risks and challenges. Real-life examples or applications. Possible future developments. Personal opinion/ reflection).

- “Protecting computers”. Computer threats: malware, adware, spam, bugs. Viruses, worms, backdoors and rogue security. Crimeware. Mobile malware. Network threats. Cryptography. Protection against risks. Network security, copyright, copyleft. Electronic payments and digital currency. Comment on the movie “The imitation game” (2014) by Morten Tyldum, related with the life of Alan Turing.

METODOLOGIE E STRUMENTI UTILIZZATI

METODOLOGIE:

Lezione frontale
 Cooperative Learning
 Correzione collettiva
 Correzione reciproca
 Lavoro a coppie
 Lavoro di gruppo
 Discussione guidata
 Dibattito
 Realizzazione e presentazione di progetti, individuali o in gruppo

STRUMENTI:

Libri di testo cartacei
 Libri di testo in formato digitale
 Materiali e strumenti cartacei
 Materiali e strumenti digitali (online e in locale)
 Google Classroom
 Materiale audio-visivo
 Tecnologie informatiche: Internet, LIM, touchscreen, laboratorio informatico, computer, tablet, smartpen, webcam ..
 Aula della classe

Data 10 Giugno 2026

Firma del docente
 Martina Quaranta