Anno scolastico	2025-2026
Disciplina	LINGUA STRANIERA INGLESE
Docente	LA FAUCI DANIELA
Classe	4^A TL
Indirizzo	INFORMATICA E TELECOMUNICAZIONI
Articolazione	TELECOMUNICAZIONI

Contenuti/Attività svolte

Dal libro di testo Bit_by_Bit- D. Ardu – R. Palmer - Edisco

1 Module - The Birth and Role of Computers

Unit 1.1 Computer science, ICT and digital literacy
- Main fields of computing
- ICT and health
- ICT and work
- ICT, education and culture
- ICT and the environment
  CITIZENSHIP • Managing e-waste
  Unit 1.2 Computers
- The binary system and units of measure
- Analogue vs digital
- The history of computers
- Present-day computers and their future evolution
- Large computers
- Smaller computers
- Mobile technology
- Wearable, handheld and embedded computers
  CITIZENSHIP •Android vs humans

2 Module – The Body of Computers

Unit 2.1 The electronics of computers
- Integrated circuits
- Transistors and Microprocessors
- Transmission media
  CITIZENSHIP • Safety and quality control in chip farms
  Unit 2.2 The structure of computers
- Hardware and software
- The CPU and the machine cycle
- Computer memory
- Primary storage
- Secondary storage: magnetic devices
- Secondary storage: optical discs and solid-state memory
  CITIZENSHIP • Respecting safety rules at work

Unit 2.3 The peripherals of computers

- Peripheral devices
- Primary input devices
- Other input devices
- Primary output devices
- Other output devices
- Automated input devices and control devices

CITIZENSHIP • The risks and ethical implications of automation

3 Module – The Mind of Computers

Unit 3.1 Computer languages

- Low-level and high-level languages and translation programs
- First and second generation languages
- Third generation languages

Dal libro di testo "World in Progress" – L. Ferruta- M. Rooney- S. Knipe – Mondadori for English

Unit 12- Sustainable Economies

- Closing the circle
- A successful African Businesswoman

Unit 13 – Reducing, Recycling, Rewilding

- Oceans of Plastic
- Rewilding Britain

Unit 14 – Energy for the Future

- Wind power
- Biomass Power
- Hydroelectric Power
- Solar Power
- Geothermal Energy
- The Greenhouse Effect

EDUCAZIONE CIVICA Costituzione

The Rule of Law in Europe

The Rule of Law in Europe and the European charter of Human Rights

The Rule of Law : Equality- Legal Certainty- Accountability

Key Provisions of the Charter – Dignity: Right to Life (Article 2-4); Freedoms: Article 7-8-11; Equality: Article 21-22

Milazzo, lì 25-05-2026

F.to Il Docente
Prof.ssa Daniela La Fauci

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Gli Alunni

Calabrò Noè

Impellizzeri Caterina

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