

Istituto Tecnico Industriale Statale "Othoca" - Oristano

PROGRAMMA SVOLTO
A.S. 2022-23

CLASSE: 4 SEZ. AA CORSO: ELETTRONICA ED ELETTROTECNICA

DISCIPLINA: LINGUA INGLESE

DOCENTE: PROF.SSA ANNA PINNA

Il testo adottato è: CAREER PATHS IN TECHNOLOGY, di Bolognini/Barber/O'Malley - Pearson

Si è provveduto a ripassare le principali forme grammaticali studiate lo scorso anno: Simple present/ Simple past/ Present perfect/ Past continuous, con continui check durante le lezioni su funzioni e grammar, utilizzando video e attivando le 4 skills.

Dal libro di testo sono stati trattati i contenuti delle seguenti UNIT:

- **Unit 3: Electromagnetism and motors**
Electric cars; Advantages and disadvantages; Famous British cars
- **Unit 4: Generating electricity**
Methods of producing electricity; The generator; Fossil fuel power station; Nuclear power station; Renewable energy 1: water and wind; Renewable energy 2: sun and earth; Geothermal energy, biomass and biofuels; Innovative energy: kite generators; Energy saving at home.
- **Unit 5: Distributing electricity**
The power distribution grid; The domestic circuit; Managing the grid; The transformer; The smart grid; Solar smart installation; Storing energy on the grid; Emergency action.
- **Unit 6: Electronic components**
Applications of electronics; Semiconductors; The transistor; Basic electronic components; Working with transistors; Colour coding of components.
- **Unit 7: Electronic systems**
Types of electronic circuit; Amplifiers; Oscillators; Internet of things (IoT); Analogue and digital; Digital recording.
- **Unit 8: Microprocessors**
What is a microprocessor?; How a microprocessor works; Microprocessors vs microcontrollers; Raspberry Pi or Arduino UNO?; The man who invented the microprocessor.

Ales, 10 giugno 2023

La docente

Anna Pinna