

ANNO SCOLASTICO 2022-2023

PROGRAMMA DIDATTICO

Insegnante: Mugno Matteo

Classe: 5S4 Elettronica ed Elettrotecnica

Materia: Inglese

Unit 1

- Atoms and electrons
- Conductors and insulators
- The battery
- Types of battery
- Superconductors

Unit 2

- A simple circuit
- Types of circuit
- Current, voltage and resistance
- Measuring tools
- New ways of lighting

Unit 3

- Electricity and magnetism
- The electric motor
- Electric cars: advantages and disadvantages

Unit 4

- Methods of producing electricity
- Fossil fuels power station
- Nuclear power station
- Hydroelectric power
- Wind power
- Solar power
- Geothermal energy, biomass and biofuels

Unit 5

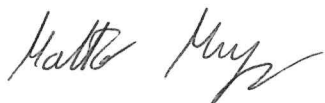
- The distributing grid
- The domestic circuit
- The transformer

- Managing the grid
- New pylons needed
- The smart grid

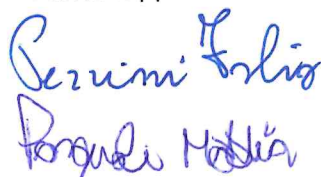
Educazione Civica:

Nell'ambito dell'insegnamento trasversale dell'educazione civica, sono stati affrontati i seguenti argomenti: *Rights and Responsibilities* e *Fake news*.

Firma docente

A handwritten signature in black ink, appearing to read 'Matteo Muz'.

Firma rappresentanti di classe

Two handwritten signatures in blue ink. The top one reads 'Serrini Enrico' and the bottom one reads 'Pignatelli Matteo'.