

**I.T.E.T. “G.Caruso”**  
**Classe: 5A EE**  
**MATERIA: LINGUA INGLESE**  
**PROGRAMMA SVOLTO**  
**a.s. 2022/2023**

Docente: PALMERI EUGENIA

Libro di testo: K.O’ Malley, Working with new technology, Pearson

**Electromagnetism and electric motors**

- Electromagnetism
- Experiments: how to create a simple electromagnet
- The fuel gauge system
- Electric motors

**Transport and environmental impact**

- Comparing different types of car:
  - conventional cars
  - electric cars
  - hybrid cars
- Advantages and disadvantages of different types of cars
- Maglev trains

**Energy production: nuclear plants**

- Nuclear energy
- Safety measures in nuclear power plants
- Safety concerns
- Transformers

**Energy production: solar power**

- Solar energy: how solar panels work
- Silicon doping
- N-type doping and P-type doping

## **Control logic and machines**

- Programmable logic controllers ( PLCs)

## **Ed.Civica**

- Safety and dignity at work: a case study

Gli alunni

La docente