



ISTITUTO DI ISTRUZIONE SECONDARIA SUPERIORE
Pietro Sette



PROGRAMMA SVOLTO

Materia **INGLESE**

Prof. **Alessandro Cavallari**

Classe **4 A MAT**

Libri di testo: **HAND-ON Electronics and Electrotechnology** di *P. Gherardelli* –
ed. Zanichelli

ARGOMENTI SVOLTI

JUST WHAT IS ELECTRICITY?

- Basics of Electricity
- Where does the word ‘electricity’ come from?
- Electrical conductors and insulators;
- Types and components of electrical circuits;
- Electrician: a job in high demand;
- What is static electricity?

HOW TO CARRY OUT AN ELECTRICAL DESIGN PROJECT.

- Electrical installations;
- Why isn’t there a standard voltage around the world?
- Electrical design plan;



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- Defining parts of the electrical system;
- Creating the electrical plan;
- talking about location;
- the tools of the trade.

ELECTRIC MOTORS AND GENERATORS.

- Discovering electric motors;
- Electric motor types;
- Synchronous generators;
- Learning about electric machines at MIT;
- Electromobility.

Santeramo in Colle, 31/05/2025.

Il docente