



ISTITUTO DI ISTRUZIONE SUPERIORE "Buonarroti – Volta"

PROGRAMMA SVOLTO

ANNO SCOLASTICO 2024/2025

CLASSE **5^A** SEZIONE **D** TECNOLOGICO - MECCANICA E MECCATRONICA

DOCENTE ROBERTO FANNI	MATERIA INGLESE
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Libro di testo

Rizzo R. A.

SMARTMECH PREMIUM Mechanical Technology & Engineering

Volume unico

Eli Publishing

Ore settimanali: **3**

Grammar review on:

- ✓ Present Simple – verb *to be* and common verbs (with adverbs of frequency)
- ✓ Present Continuous
- ✓ Present Simple vs Present Continuous
- ✓ *Must, have to* and *need to* – affirmative, interrogative and negative forms
- ✓ Past Simple – verb *to be* and common verbs: regular and irregular verbs
- ✓ Past Continuous
- ✓ Past Continuous vs Past Simple

From the text adopted:

Module 5 - Machining operations

- ✓ Power-driven machines
 - Machine tools
 - Machine tools classification
- ✓ The lathe
 - Parts of a lathe
 - Major types of lathes: woodworking lathes; metalworking lathes
- ✓ Machine tool basic operations
 - Drilling: types of drills
 - Boring: types of boring machines
 - Milling
- ✓ Electric circuits
 - How electricity moves in a circuit
 - Measuring electricity
 - Direct current and alternating current

Module 6 - Metal processes

- ✓ Metalworking
 - Steelmaking: the steelmaking process
 - Casting
- ✓ Forming methods
 - Hot and cold processes
 - Forging: open die forging and closed die forging

Module 7 - The motor vehicle

- ✓ What makes a car move
 - Drive train
 - The four-stroke engine
 - The two-stroke engine
 - The diesel engine
- ✓ Basic car systems
 - The fuel system: carburisation

UdA interdisciplinare - “Il Novecento: secolo di conflitti, innovazioni tecnologiche e scoperte”

Taylorism and Fordism: the concepts of assembly line and scientific management

Educazione Civica:

The women's suffrage movement in Britain: the suffragettes and the Women's Social and Political Union (WSPU).

GUSPINI, 05/06/2025

IL DOCENTE

Prof. Roberto Fanni