



Ministero dell'Istruzione e del merito
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PROGRAMMA SVOLTO

DOCENTE	Antonella Carello
DISCIPLINA	Inglese
CLASSE	5^F MECCANICA E MECCATRONICA – a.s. 2023/2024

Argomenti trattati:

MODULE 4	<ul style="list-style-type: none">- Drawing tools: functions and shapes- Technical drawing- Standardised conventions- Multiple views: parallel projection, types of axonometric projections, orthographic and perspective projections- Computer-aided design (CAD)
MODULE 5	<ul style="list-style-type: none">- Machine tools- Machine tools classification- Parts of a lathe – modes of use- Woodworking lathes – metalworking lathes – glass-working lathes – metal spinning lathes- Drilling – types of drills- Boring – types of boring machines- Lathe boring- Milling – types of milling machines- Grinding – types of grinding machines- Planers and shapers- Metal-forming machine tools- Non-traditional machining processes- Electric circuits: how electricity moves in a circuit – direct and alternating current
MODULE 6	<ul style="list-style-type: none">- Steelmaking – the steelmaking process- Casting – die casting – sand casting – strand casting- Hot and cold processes- Forging- Extrusion- Welding- Brazing and soldering- Sheet metal processing

<i>MODULE 7</i>	<ul style="list-style-type: none"> - Drive train - The four-stroke engine - The two-stroke engine - The diesel engine - Biofuels - The fuel system – carburisation - Fuel injection and EFI - The electrical system: the battery - The braking system – hydraulic brake system - The cooling system - The exhaust system - Electric and hybrid cars - Fuel cell vehicles
<i>MODULE 8</i>	<ul style="list-style-type: none"> - Mechatronics - Robotics
<i>LITERATURE</i>	George Orwell: 1984
<i>HISTORY</i>	The Great Depression
<i>GRAMMAR</i>	<ul style="list-style-type: none"> - Future forms: Present continuous – be going to – will - Comparative and superlative adjectives - Linking words - First conditional – second conditional – third conditional

Approfondimenti anche in riferimento all' Educazione civica:

ATTIVITÀ DI AMPLIAMENTO DELL'OFFERTA FORMATIVA SVOLTE NELL'ANNO SCOLASTICO

TIPOLOGIA	OGGETTO	LUOGO
Uscite didattiche		
Viaggio di istruzione		

Progetti ed iniziative		
Incontri con esperti -	Incontro con i referenti Adecco	Istituto Marco Polo, Aula Magna 29/04/2024

Colico, 06/06/2024.....

L'Insegnante.

Antonella Carello
