



ISTITUTO STATALE DI ISTRUZIONE SUPERIORE "MARGARITONE"  
ISTITUTO PROFESSIONALE STATALE PER L'INDUSTRIA E L'ARTIGIANATO "MARGARITONE"  
:Via Fiorentina, 179 - 52100 AREZZO

## PROGRAMMA SVOLTO

Docente Eminentì Rebecca

Disciplina Lingua e cultura inglese

Classe IV MA Anno Scolastico 2023/2024

Testo adottato: Rizzo R. A., "Smartmech Premium", Eli.

### MODULE 1: Engineering

#### Engineering and Mechatronics

- What is engineering?

#### Roles in engineering

- Mechanical engineers

#### Careers

- Mechanics

#### Safety first!

- The importance of safety
- Safety education

#### VOCABULARY

- Safety in the workplace

#### GRAMMAR

- Possessive adjectives and pronouns
- Il genitivo sassone/whose
- Present simple, present continuous

#### CLIL

- Safety in the workplace

### MODULE 2: Energy Sources

#### Non-renewable energy sources

- Fossil fuel sources
- Non-fossil fuel sources

#### Renewable energy sources

- Inexhaustible sources

## Pollution

- Pollution: environmental policies
- Pollution parameters

## VOCABULARY

- Non-renewable and renewable energy sources
- Pollution

## GRAMMAR

- Present simple active and passive
- Past simple
- Past continuous

## CLIL

- Effects of global warming

## **MODULE 3: Materials**

### Materials science

- What is materials science?

### Properties of materials

- Mechanical properties
- Thermal properties
- Electrical-magnetic and chemical properties
- Electrical materials (fornito dalla docente)

### Types of materials

- Metals
- Polymer materials

### Nanotechnology

- A smaller and smaller world
- Nanomaterials
- Case study: Nanomaterials in the automotive industry (fornito dalla docente)
- Batteries (fornito dalla docente)

## VOCABULARY

- Types of materials

## GRAMMAR

- Future form (will)

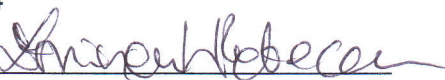
**Educazione civica:** The Agenda 2030 and the 17 SDGs.

**UDA:** The bike (terms, its development, benefits, sustainable development, safety)

Sono state svolte le attività finalizzate alla preparazione del test INVALSI per la lingua inglese. Infine è stato fornito ulteriore materiale dall'insegnante tramite il registro elettronico.

Arezzo, 7/06/2024

Firma del docente



Firma degli Alunni

