

**ISTITUTO di ISTRUZIONE SUPERIORE "Ettore Majorana" Avezzano (AQ)**  
**Anno Scolastico 2022-2023**

**Programma d'inglese**  
**Classe 5M      Meccanica e Meccatronica**

Sono stati rivisti alcuni argomenti di grammatica tratti dal libro di testo Engage 2.

**Dal libro di testo "Smartmech Premium":**

**TRIMESTRE**

**Mechanical drawing**

- Mechanical drawing: drawing tools.
- Technical drawing
- Standardised conventions

**Multidisciplinary field**

- Computer-aided design (CAD)

**Safety first**

- The importance of safety (Ed.Civica)
- Spot the hazards
- Assess the risk
- Safety education
- Article 4 of the Italian Constitution

**Multidisciplinary field**

- The work of a drafter

**The Motor Vehicle**

- The four-stroke engine

**PENTAMESTRE**

**The Motor Vehicle**

- The two-stroke engine
- The diesel engine
- Biofuels

**The Motor Vehicle**

- The two-stroke engine
- The diesel engine
- Biofuels

**Basic car systems**

- Carburation
- Fuel injection and EFI
- The battery
- The braking system

**Alternative engine**

- Electric and hybrid cars
- Fuel cell vehicles

**Multidisciplinary field**

- Numerical control and CNC (pag. 198)  
(advantages and disadvantages of CNC machines)

Educazione civica: argomento dell'UDA

- The European Union

Avezzano 03/06/2023

Alunni

Insegnante