

PROGRAMMA di INGLESE 5° CMA  
LIBRO DI TESTO : ENGLISH IN  
AERONAUTICS A.s. 2022-2023

#### THE PRINCIPLES OF FLIGHT

The four forces

Phases of flight

#### THE PARTS OF AN AIRPLANE

The main parts of the aircraft

The wing

The tail unit

The control surfaces

Axes of rotation and movement

Roll – Pitch – Yaw

The cockpit and flight instruments

Pressure instruments (VSI – ASI – ALTIMETER)

Gyroscopic instruments (ARTIFICIAL HORIZON – TURN AND BANK INDICATOR – DIRECTIONAL GYRO)

#### AIR NAVIGATION

The Chicago convention and ICAO

Airspace

The control tower

Flight plan

VFR and IFR

VOR – SID -STAR -ILS -DME

#### THE RADAR

Primary radar

Secondary radar

#### WEATHER

Meteorology (1 and 2)

Visibility-clouds-wind-forms of precipitation-icing-wind shear.

METARS