



SISTEMA DI GESTIONE PER LA QUALITÀ

Indirizzo Trasporti e Logistica
Ist. Tec. Aeronautico Statale
"Arturo Ferrarin"
Via Galermo, 172
95123 Catania (CT)

Modulo

MODELLO PROGRAMMA SVOLTO

Codice
M PSV A

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PROGRAMMA SVOLTO DI INGLESE

CLASSE 5E - A.S. 2023/2024

La prof.ssa MESSINA ELISABETTA MARIA

- LIBRO DI TESTO UTILIZZATO: R. Polichetti – R. Beolè, *English in aeronautics*, Loescher Editore

MODULO/UNIT	VOCABULARY	FUNCTIONS
Section 1 MODULE 1 - The World of flight UNIT 4	<i>History of flight from 1900 to today</i> - From dirigibles to the first airplane - Airplane improvement during World War 1 - Historical flight records - Development in civil aviation - Into Space - Stealth and drones	Talking about facts and events related to the history of flight
Section 3 MODULE 2 – On the ground UNITS 1, 2, 3	<i>Airports</i> - Definition of aerodrome - First airports - Facilities at an airport - Standards set by ICAO - The First Flight Airport <i>Runways and taxiways</i> - Materials and dimensions - What affects their orientation and length - Taxiways and aprons - Lightning - Airport signs and markings <i>The Control Tower</i> - Air traffic controllers - Traffic Control Tower - Flight plans - ETA - International language - London Airport's new control tower	Talking about the functioning of airports



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<p>Section 3 MODULE 3 – In flight UNITS 1, 2, 3, 4</p>	<p><i>Visual Flight Navigation</i></p> <ul style="list-style-type: none">- VFN- Pilotage- Dead Reckoning Navigation- Visual Flight Rules- Visual Meteorological Conditions- Squawk 7700 <p><i>Radio Navigation - IFR</i></p> <ul style="list-style-type: none">- Nav-Aids- Instrumental Flight Rules- NDB- VOR- TACAN- VORTAC- Global Positioning System- Instrumental Landing System - MLS- Flight Plan <p><i>The Radar</i></p> <ul style="list-style-type: none">- Primary Radar- Secondary Radar- Weather Radar- Surface Movement Radar- Stealth technology <p><i>The Traffic Alert and Collision Avoidance System (TCAS)</i></p> <ul style="list-style-type: none">- TCAS I and Traffic Advisory- TCAS II and Resolution Advisory- TCAS III and horizontal and vertical Ras	<p>Talking about facts and processes related to the world of flight</p>
<p>Section 3 MODULE 5 – Weather UNITS 1, 2, 3, 4</p>	<ul style="list-style-type: none">- Volcanic ash: a big problem for aircraft- Microbursts <p><i>METARs</i></p> <ul style="list-style-type: none">- What a METAR is- European METAR structure- The METAR weather components- How to decode a METAR <p><i>Turbulence</i></p> <ul style="list-style-type: none">- Causes- Jet Stream and CAT, wake vortex turbulence- Wind shear and microbursts- Classification	<p>Talking about events related to weather conditions Decoding a METAR</p>

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	- Perception of turbulence severity	
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Si è inoltre tenuto un modulo interdisciplinare inglese-italiano sui seguenti argomenti:

- Dystopia: its origin and themes;
- George Orwell's life;
- 1984: plot and themes; reading of a passage "The Hate had started" (ch. III);
- Aldous Huxley's Brave New World: plot and themes; reading of the passage "The conditioning centre" (ch. II).

Catania, lì 27/05/2024

IL DOCENTE
prof./ssa ELISABETTA MARIA MESSINA