Istituto di Istruzione Superiore 'Scano' Sede di Monserrato anno scolastico 2022-2023 indirizzo: Trasporti e logistica articolazione: Costruzione del mezzo aereo classe 5B TL materia: inglese insegnante: Anna Maria Murtas

programma

CONTENUTI

General	Grammar	verbs: past pe	erfect		
English	Grunnina	verbs: pass perfect verbs: passive form of present continuous, present perfect, modals			
Linghibii		verbs: passive form of present continuous, present perfect, modals			
		question tags			
	Vocabulary				
	vocabulary	crime and justice			
		money			
	Functions	checking information			
		reporting a cr	ime		
		cv			
		job interview			
English in	Airframe	wings:	•		
Aeronautics			cantilever wi	ngs, wings supported by struts	
			low wings, m	nid wings, high wings	
			straight wing	s, swept wings, delta wings	
			structure (spa	ars, ribs, skin)	
			movable part		
			1		
		tail:	function		
			fixed parts (ta	ailnlane fin)	
				ts (elevators, rudder)	
			1	ars, ribs, skin)	
			structure (spa	ais, 1105, 5km)	
		aves (longitudinal avis lateral avis vertical avis)			
		axes (longitudinal axis, lateral axis, vertical axis) movements (roll, pitch, yaw)			
		control surfaces (ailerons, elevators, rudder)			
		how they work			
		fuselage:	function		
		luselage.		structure (beams, skin)	
			truss type:		
			managaguat	use	
			monocoque t		
				structure (frames, bulkheads, skin)	
				cons	
			semimonoco		
				structure (frames, bulkheads, longerons, skin)	
				pros	
		landing gear:			
			unit:	structure (wheel, tire, leg, brake)	
			conventional	type:	
				components	
				cons	
			tricycle type:	components	
				pros	
				use	
			tandem type:	components	
				use	
			non-retractab	ble and retractable types	
T	L	1			

Engine	heat engine external combustion engine, internal combustion engine, rocket engine requirements reciprocating engine: power cycle inside the cylinder (intake stroke, compression stroke, power stroke, exaust stroke)			
	revolutions of the crankshaft transmission of power to the propeller use gas-turbine engine:			
	turbojet type: structure (compressor, combustor, turbine) thrust pros and cons			
	use turboprop type:			
	structure (compressor, combustor, turbine, propeller) thrust pros and cons			
	use turbofan type:structure (compressor, combustor, turbine, fan, 2 nd duct) thrust pros			
Flight a	nd horizontal airspeed, vertical speed, height			
propuls				
instrum	ASI, VSI, altimeter: functions how they work attitude around the horizontal and lateral axes, attitude around the vertical axis, direction gyroscope artificial horizon, turn-and-bank indicator, directional gyro:			
	functions how they work			
	engine speed rpm indicator			
	engine temperature cylinder head temperature indicator, jet-pipe temperature indicator, turbine-gas temperature indicator			
	oil temperature indicator			
	engine pressure manifold pressure gauge oil pressure gauge			
	fuel fuel tank contents indicator fuel flowmeter			
	glass cockpit			
Civics SDG 4	history of education in England Europass CV			

testo adottato: Elizabeth Sharman, Identity B1 to B1+, OUP, 2019

testo adottato: Raffaele Polichetti - Raffaella Beolè, English in Aeronautics, Loescher, 2019