

# Standards Correlations

## Aircraft Pilot Training II (8732)

Task	SOL Correlations
<b>Demonstrating Personal Qualities and Abilities</b>	
Demonstrate creativity and innovation.	<p>English: 6.1, 6.3, 6.4, 6.6, 6.7, 6.9, 7.1, 7.3, 7.4, 7.6, 7.7, 7.9, 8.1, 8.3, 8.4, 8.6, 8.7, 8.9, 9.1, 9.5, 9.6, 9.8, 10.1, 10.5, 10.6, 10.8, 11.1, 11.5, 11.6, 11.8, 12.1, 12.5, 12.6, 12.8</p> <p>History and Social Science: CE.1, CE.4, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WG.4, WHI.1, WHII.1</p> <p>Mathematics: 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7, 6.10, 6.11, 6.12, 7.2, 7.3, 7.8, 7.9, 8.2, 8.4, 8.6, 8.7, 8.11, 8.12, 8.17, 8.18, A.9, AFDA.3, AFDA.4, AFDA.5, AFDA.6, AFDA.7, AFDA.8, AII.9, COM.1, COM.3, COM.4, COM.5, COM.8, DM.7, DM.1*, DM.10, DM.2*, DM.3*, PS.3*, PS.4*, PS.7*, PS.9*, PS.10*</p> <p>Science: 6.1, BIO.1, CH.1, ES.1, LS.1, PS.1</p>
Demonstrate critical thinking and problem solving.	<p>English: 6.1, 6.3, 6.4, 6.5, 6.6, 6.7, 6.9, 7.1, 7.3, 7.4, 7.5, 7.6, 7.7, 7.9, 8.1, 8.3, 8.4, 8.5, 8.6, 8.7, 8.9, 9.1, 9.5, 9.6, 9.8, 10.1, 10.5, 10.6, 10.8, 11.1, 11.5, 11.6, 11.8, 12.1, 12.5, 12.6, 12.8</p> <p>History and Social Science: CE.1, CE.4, CE.11, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WG.4, WHI.1, WHII.1</p> <p>Mathematics: 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.10, 6.11, 7.2, 7.3, 7.8, 7.12, 7.13, 8.2, 8.4, 8.8, 8.9, 8.10, 8.11, A.8, A.9, G.1, G.13, G.14, AFDA.3, AFDA.5, AFDA.8, AII.9, AII.10, AII.11, COM.1, COM.3, COM.4, COM.5, COM.8, DM.4, DM.7, DM.1*, DM.2*, DM.3*, DM.9*, PS.9*, PS.10*</p> <p>Science: 6.1, BIO.1, CH.1, ES.1, LS.1, PS.1</p>

Demonstrate initiative and self-direction.	English: 6.1, 6.4, 6.6, 6.7, 6.9, 7.1, 7.4, 7.6, 7.7, 7.9, 8.1, 8.4, 8.6, 8.7, 8.9, 9.1, 9.5, 9.6, 9.8, 10.1, 10.5, 10.6, 10.8, 11.1, 11.5, 11.6, 11.8, 12.1, 12.5, 12.6, 12.8 History and Social Science: CE.1, CE.4, CE.11, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1
Demonstrate integrity.	English: 6.1, 7.1, 8.1, 9.1, 9.5, 10.1, 10.5, 11.1, 11.5, 12.1, 12.5 History and Social Science: CE.1, CE.3, CE.4, GOVT.1, GOVT.16, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1
Demonstrate work ethic.	English: 6.1, 7.1, 8.1, 9.1, 10.1, 11.1, 12.1 History and Social Science: CE.1, CE.4, CE.14, GOVT.1, GOVT.16, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Science: CH.1
<b>Demonstrating Interpersonal Skills</b>	
Demonstrate conflict-resolution skills.	English: 6.1, 6.2, 6.4, 6.6, 6.7, 6.9, 7.1, 7.2, 7.4, 7.6, 7.7, 7.9, 8.1, 8.2, 8.4, 8.6, 8.7, 8.9, 9.1, 10.1, 11.1, 12.1 History and Social Science: CE.1, CE.4, GOVT.1, USI.1, VUS.1
Demonstrate listening and speaking skills.	English: 6.1, 6.2, 6.4, 6.6, 7.1, 7.2, 7.4, 7.6, 8.1, 8.2, 8.4, 8.6, 9.1, 10.1, 11.1, 12.1 History and Social Science: CE.1, CE.4, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1
Demonstrate respect for diversity.	English: 6.1, 7.1, 8.1, 9.1, 10.1, 11.1, 12.1 History and Social Science: CE.1, CE.3, CE.4, GOVT.1, GOVT.16, USI.1, USII.1, USII.9, VUS.1, VUS.13, WG.1, WHI.1, WHII.1
Demonstrate customer service skills.	English: 6.1, 6.4, 6.7, 7.1, 7.4, 7.7, 8.1, 8.4, 8.7, 9.1, 9.5, 9.6, 10.1, 10.5, 10.6, 11.1, 11.5, 11.6, 12.1, 12.5, 12.6 History and Social Science: CE.1, CE.4, GOVT.1, GOVT.16, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1
Collaborate with team members	English: 6.1, 7.1, 8.1, 9.1, 10.1, 11.1, 12.1 History and Social Science: CE.1, CE.3, CE.4, GOVT.1, GOVT.16, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1

<b>Demonstrating Professional Competencies</b>	
Demonstrate big-picture thinking.	English: 6.1, 6.4, 7.1, 7.4, 8.1, 8.4, 9.1, 9.5, 10.1, 10.5, 11.1, 11.5, 12.1, 12.5 History and Social Science: CE.1, CE.4, CE.12, GOVT.1, GOVT.15, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1
Demonstrate career- and life-management skills.	English: 6.1, 6.7, 7.1, 7.7, 8.1, 8.7, 9.1, 9.6, 10.1, 10.6, 11.1, 11.6, 12.1, 12.6 History and Social Science: CE.1, CE.4, CE.12, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: 8.4
Demonstrate continuous learning and adaptability.	English: 6.1, 6.4, 6.7, 6.9, 7.1, 7.4, 7.7, 7.9, 8.1, 8.4, 8.7, 8.9, 9.1, 9.5, 9.6, 9.8, 10.1, 10.5, 10.6, 10.8, 11.1, 11.5, 11.6, 11.8, 12.1, 12.5, 12.6, 12.8 History and Social Science: CE.1, CE.3, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Science: BIO.1, CH.1, LS.1, PH.1, PH.4, PS.1
Manage time and resources.	English: 6.1, 6.2, 6.4, 6.7, 6.9, 7.1, 7.2, 7.4, 7.7, 7.9, 8.1, 8.2, 8.4, 8.7, 8.9, 9.1, 9.5, 9.6, 9.8, 10.1, 10.5, 10.6, 10.8, 11.2, 11.5, 11.6, 11.8, 12.2, 12.5, 12.6, 12.8 History and Social Science: CE.1, CE.4, CE.11, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: 6.10, 6.11, 6.12, 7.2, 7.3, 7.8, 7.9, 7.10, 7.11, 7.12, 7.13, 8.4, 8.11, 8.12, 8.13, 8.14, 8.17, 8.18, A.4, A.5, A.8, A.9, AFDA.3, AFDA.4, AFDA.5, AFDA.6, AFDA.7, AFDA.8, COM.1, COM.3, COM.5, COM.8
Demonstrate information-literacy skills.	English: 6.1, 6.2, 6.4, 6.6, 6.7, 6.9, 7.1, 7.2, 7.3, 7.4, 7.6, 7.7, 7.9, 8.1, 8.2, 8.3, 8.4, 8.6, 8.7, 8.9, 9.2, 9.5, 9.6, 9.8, 10.2, 10.5, 10.6, 10.8, 11.2, 11.5, 11.6, 11.8, 12.2, 12.5, 12.6, 12.8 History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: 6.10, 6.11, 7.8, 7.9, 8.11, 8.12, A.8, A.9, AFDA.3, AFDA.4, AFDA.6, AFDA.7, AFDA.8, DM.8, PS.1*, PS.2*, PS.3*, PS.4*, PS.7*,

	PS.8*, PS.9*, PS.10* Science: 6.1, BIO.1, CH.1, ES.1, LS.1, PH.1, PS.1
Demonstrate an understanding of information security.	English: 6.1, 6.2, 6.3, 6.4, 6.6, 6.7, 6.8, 6.9, 7.1, 7.2, 7.3, 7.4, 7.6, 7.7, 7.8, 7.9, 8.1, 8.2, 8.3, 8.4, 8.6, 8.7, 8.8, 8.9, 9.1, 9.2, 9.5, 9.6, 9.8, 10.1, 10.2, 10.5, 10.6, 10.8, 11.1, 11.2, 11.5, 11.6, 11.8, 12.1, 12.2, 12.5, 12.6, 12.8 History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: COM.10
Maintain working knowledge of current information-technology (IT) systems.	English: 6.1, 6.3, 6.4, 6.6, 6.9, 7.1, 7.3, 7.4, 7.6, 7.9, 8.1, 8.3, 8.4, 8.6, 8.9 History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: 7.8, COM.1, COM.2, COM.7, COM.9, COM.10, COM.11, COM.16, COM.18, PS.17 Science: BIO.1, CH.1, ES.1, PH.1
Demonstrate proficiency with technologies, tools, and machines common to a specific occupation.	History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: 6.10, 6.11, 7.9, 8.4, A.7, A.8, A.9, AFDA.1, AFDA.3, AFDA.5, AII.4, AII.7, AII.9, COM.1, COM.7, COM.10, COM.11, COM.12, COM.16 Science: CH.1, ES.1, LS.1, PH.1, PS.1
Apply mathematical skills to job-specific tasks.	English: 6.4, 6.6, 6.7, 7.4, 7.6, 7.7, 8.4, 8.6, 8.7, 9.5, 9.6, 10.5, 10.6, 11.5, 11.6, 12.5, 12.6 History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: 6.1, 6.2, 6.5, 6.6, 6.12, 6.13, 6.14, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.8, 7.9, 7.11, 7.12, 7.13, 8.4, 8.5, 8.6, 8.8, 8.9, 8.10, 8.11, 8.12, 8.13, 8.14, 8.15, 8.16, 8.17, 8.18, A.1, A.3, A.4, A.5, A.7, A.8, A.9, AFDA.1, AFDA.3, AFDA.5, AFDA.8, AII.3, AII.7, AII.9, AII.10, COM.1, COM.7 Science: 6.1, BIO.1, CH.1, ES.1, LS.1, PH.1, PS.1
Demonstrate professionalism.	English: 6.1, 7.1, 8.1, 9.1, 10.1, 11.1, 12.1 History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1,

	VUS.1, WG.1, WHI.1, WHIL.1
Demonstrate reading and writing skills.	English: 6.1, 6.6, 6.7, 7.1, 7.6, 7.7, 8.1, 8.6, 8.7, 9.1, 9.5, 9.6, 9.7, 10.1, 10.5, 10.6, 10.7, 11.1, 11.5, 11.6, 11.7, 12.1, 12.5, 12.6, 12.7 History and Social Science: CE.1, CE.4, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHIL.1 Science: 6.1, PH.1, PS.1
Demonstrate workplace safety.	English: 6.4, 7.4, 8.4, 9.5, 10.5, 11.5, 12.5 History and Social Science: CE.1, CE.4, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHIL.1 Science: CH.1
<b>Examining All Aspects of an Industry</b>	
Examine aspects of planning within an industry/organization.	History and Social Science: GOVT.16
Examine aspects of management within an industry/organization.	
Examine aspects of financial responsibility within an industry/organization.	
Examine technical and production skills required of workers within an industry/organization.	
Examine principles of technology that underlie an industry/organization.	
Examine labor issues related to an industry/organization.	History and Social Science: GOVT.16
Examine community issues related to an industry/organization.	History and Social Science: GOVT.16
Examine health, safety, and environmental issues related to an industry/organization.	History and Social Science: GOVT.16
<b>Addressing Elements of Student Life</b>	

Identify the purposes and goals of the student organization.	
Explain the benefits and responsibilities of membership in the student organization as a student and in professional/civic organizations as an adult.	
Demonstrate leadership skills through participation in student organization activities, such as meetings, programs, and projects.	
Identify Internet safety issues and procedures for complying with acceptable use standards.	
<b>Exploring Work-Based Learning</b>	
Identify the types of work-based learning (WBL) opportunities.	
Reflect on lessons learned during the WBL experience.	
Explore career opportunities related to the WBL experience.	
Participate in a WBL experience, when appropriate.	
<b>Understanding Aircraft Performance</b>	
Calculate airspeed.	Mathematics: AII.1
Calculate center of gravity.	
Calculate a course intercept.	Mathematics: AII.3, MA.3, MA.4, MA.7
Calculate density altitude.	
Calculate landing speed and distance.	
Calculate turbine temperatures.	
Calculate takeoff speed and distance.	

Calculate time, speed, distance, course, fuel, and wind.	
Calculate wind correction.	Mathematics: MA.7
Calculate distance and bearing to a station.	
Plan flight performance.	English: 11.1, 12.1
Calculate fuel consumption.	
Calculate lift-to-drag ratio.	
Calculate angle of attack (AOA).	Mathematics: AII.1, MA.7
Calculate pressure altitude.	
Calculate turbulent air penetration.	
Calculate weight and balance.	
Interpret drag ratio from charts.	English: 11.5, 12.5
Interpret information on a performance curve chart.	English: 11.5, 12.5 Mathematics: AII.7
Interpret information on a slush/standing water takeoff chart.	English: 11.5, 11.8, 12.5, 12.8
Interpret information on a velocity/load factor chart.	English: 11.5, 12.5 Mathematics: AII.4, AII.7
Interpret information on takeoff charts.	English: 11.5, 12.5
Interpret a takeoff speeds chart.	English: 11.5, 12.5 Mathematics: AII.7
Interpret weight and balance guidelines.	English: 11.5, 11.8, 12.5, 12.8 Mathematics: AII.1

Describe aircraft loading computations.	English: 11.5, 12.5 Mathematics: AII.1
Describe effects of temperature.	English: 11.5, 12.5
Describe loading limitations.	English: 11.5, 12.5 Mathematics: MA.7
Describe performance planning in relation to aircraft loading.	English: 11.5, 12.5
Describe constant and variable-speed propeller operations.	English: 11.5, 12.5
Calculate aircraft glide performance.	
<b>Exploring Aeromedical Issues</b>	
Define <i>aeronautical decision-making</i> (ADM).	English: 11.3, 11.5, 12.3, 12.5
Describe critical phase of flight.	English: 11.5, 12.5
Describe oxygen requirements.	English: 11.5, 12.5
Describe the physiological effects of altitude.	English: 11.5, 12.5
Describe effects of carbon monoxide poisoning.	English: 11.5, 12.5
Describe aeromedical factors related to fitness for flight.	English: 11.5, 12.5
Describe aeromedical factors related to scanning procedures.	English: 11.5, 12.5
Describe the effects of hazardous ADM.	English: 11.5, 12.5
Describe human factors that affect ADM.	English: 11.5, 12.5
Describe the effects of alcohol on the body.	English: 11.5, 12.5
Describe the effects of stress on the body.	English: 11.5, 12.5 Science: BIO.4

Describe human behavior with regard to dangerous tendencies.	English: 11.5, 12.5
Describe human behavior with regard to defense mechanisms.	English: 11.5, 12.5
Describe a pilot's healthy response to external pressure.	English: 11.5, 12.5
Describe self-fulfillment with regard to the career of a pilot.	English: 11.5, 12.5
Describe the role of judgment in ADM.	English: 11.5, 12.5
Describe stress management.	English: 11.5, 12.5
Describe in-flight illusions.	English: 11.5, 12.5
Describe the learning process (levels of learning, transfer of learning, and incidental learning).	English: 11.5, 12.5
Describe the learning process as related to physical skills.	English: 11.5, 12.5
Describe laws of learning elements.	English: 11.5, 12.5
Describe oxygen systems.	English: 11.5, 12.5
Describe the need for oxygen system inspection.	English: 11.5, 12.5
Describe hyperventilation as related to cabin pressure.	English: 11.5, 12.5
Describe hypoxia.	English: 11.3, 11.5, 12.3, 12.5
Describe the physiological effects of scuba diving and flying.	English: 11.5, 12.5
Describe the threat of hyperventilation to pilots.	English: 11.5, 12.5
Describe concerns related to night vision.	English: 11.5, 12.5
Define <i>spatial disorientation</i> .	English: 11.3, 11.5, 12.3, 12.5
Describe positive exchange of flight controls.	English: 11.5, 12.5
Describe regulations related to the use of narcotics, drugs, and intoxicating liquor.	English: 11.5, 12.5

Describe considerations related to prescription and over-the-counter drugs.	English: 11.5, 12.5
Describe regulations related to hazardous operations.	English: 11.5, 12.5
Describe dehydration and heat stroke.	English: 11.5, 12.5
<b>Examining Atmospheric and Meteorological Conditions</b>	
Define <i>atmospheric adiabatic process</i> .	English: 11.3, 11.5, 12.3, 12.5
Define <i>ceiling</i> , according to the FAA.	English: 11.3, 11.5, 12.3, 12.5
Interpret a weather report.	English: 11.5, 12.5 Science: ES.12
Interpret constant pressure chart and isotachs chart.	English: 11.5, 12.5 Science: ES.12
Interpret analysis heights and temperature chart.	English: 11.5, 12.5
Interpret information on a convective outlook.	English: 11.5, 11.8, 12.5, 12.8
Interpret information on a METAR/SPECI report.	English: 11.5, 12.5
Interpret information on a pilot weather report (PIREP).	English: 11.5, 12.5
Interpret information on a convective outlook chart.	English: 11.5, 12.5
Interpret information on a SIGMET.	English: 11.5, 11.8, 12.5, 12.8
Interpret information on a significant weather prognostic chart.	English: 11.5, 12.5
Interpret information on a surface-analysis chart.	English: 11.5, 12.5
Interpret information on a terminal aerodrome forecast (TAF).	English: 11.5, 11.8, 12.5, 12.8
Interpret information on a winds and temperatures aloft forecast (FB).	English: 11.5, 11.8, 12.5, 12.8

Describe the use of thunderstorm-detection equipment.	English: 11.5, 12.5
Describe aircraft anti-icing and de-icing.	English: 11.5, 12.5
Describe turbulent air penetration.	English: 11.5, 12.5
Describe atmospheric conditions.	English: 11.5, 12.5
Describe cloud formation and resulting weather.	English: 11.5, 12.5 Science: ES.12
Describe fog formation and resulting weather.	English: 11.5, 12.5 Science: ES.12
Describe icing formation and characteristics.	English: 11.5, 12.5
Describe a constant pressure analysis chart.	English: 11.5, 11.8, 12.5, 12.8
Describe a forecast of winds and temperatures aloft (FB).	English: 11.5, 12.5
Describe a height-velocity diagram.	English: 11.5, 12.5
Describe a significant-weather prognostic chart.	English: 11.5, 12.5
Describe a surface-analysis chart.	English: 11.5, 12.5
Describe a terminal aerodrome forecast (TAF).	English: 11.5, 11.8, 12.5, 12.8
Describe a weather-depiction chart.	English: 11.5, 11.8, 12.5, 12.8
Describe AIRMETs and SIGMETs.	English: 11.5, 11.8, 12.5, 12.8
Describe in-flight aviation weather advisories.	English: 11.5, 12.5
Describe inversion layers.	English: 11.5, 12.5
Describe jet streams.	English: 11.5, 12.5 Science: ES.12
Describe severe weather watches (WW).	English: 11.5, 12.5
Describe microbursts.	English: 11.5, 12.5

Describe the distribution of notices to airmen (NOTAMs).	English: 11.5, 12.5
Describe precipitation.	English: 11.5, 12.5 Science: ES.12
Describe a radar summary chart.	English: 11.5, 12.5
Describe squall lines.	English: 11.5, 12.5
Describe the effects of temperature on weather formations.	English: 11.5, 12.5
Describe thermals and atmospheric stability.	English: 11.5, 12.5
Describe formation of thunderstorms and associated hazards.	English: 11.5, 12.5 Science: ES.12
Describe turbulence.	English: 11.5, 12.5
Describe windshear.	English: 11.5, 12.5
Describe VFR weather minimums.	English: 11.5, 12.5
<b>Operating the Aircraft</b>	
Describe special-use airspace.	English: 11.3, 11.5, 12.3, 12.5
Interpret information on a departure procedure (DP) chart.	English: 11.5, 12.5
Interpret information on a high altitude chart.	English: 11.5, 11.8, 12.5, 12.8
Interpret information on a low altitude chart.	English: 11.5, 11.8, 12.5, 12.8
Interpret information on a sectional chart.	English: 11.5, 12.5
Interpret information on a tower en route control (TEC).	English: 11.5, 12.5
Interpret information in U.S. chart supplements.	English: 11.5, 12.5
Interpret information on an airways chart.	English: 11.5, 12.5

Interpret information on an instrument approach procedures (IAP) chart.	English: 11.5, 11.8, 12.5, 12.8
Describe IFR en route low altitude aeronautical charts.	English: 11.5, 12.5
Describe pilotage aeronautical charts.	English: 11.5, 12.5
Explain the difference between true north (TN) and magnetic north (MN).	English: 11.5, 12.5
Describe types of landing systems.	English: 11.5, 12.5
Describe VOR and NAV navigation systems.	English: 11.5, 11.8, 12.5, 12.8
Describe the pilotage method of navigation.	English: 11.5, 12.5
Describe airspeed indicators (ASIs).	English: 11.5, 12.5
Describe normal climb and descent rates.	English: 11.5, 12.5
Describe takeoff.	English: 11.5, 12.5
Describe aircraft pressurization.	English: 11.5, 12.5
Describe environmental control systems.	English: 11.5, 12.5
Describe use of aircraft operations checklists.	English: 11.5, 12.5
Describe taxiing techniques in wind.	English: 11.5, 12.5
Describe regulations related to VOR systems.	English: 11.5, 12.5
Describe anti-icing and de-icing systems.	English: 11.5, 12.5
Describe takeoff and landing maneuvers.	English: 11.5, 12.5
Describe effective communication.	English: 11.5, 12.5
Describe departure procedures.	English: 11.5, 12.5
Describe communication with ATC.	English: 11.5, 12.5
Describe the ATC system and services.	English: 11.5, 12.5
Describe air navigation.	English: 11.5, 12.5
Describe aeronautical charts.	English: 11.5, 12.5

Describe dead reckoning.	English: 11.5, 12.5
Describe the effects of wind.	English: 11.5, 12.5
Describe the VOR system.	English: 11.5, 12.5
Interpret readings on an aircraft course and DME indicator.	English: 11.5, 12.5
Describe environmental control systems as related to humidity and illumination control.	English: 11.5, 12.5
Describe scanning techniques as related to collision avoidance.	English: 11.5, 12.5
Describe the role of TCAS in collision avoidance.	English: 11.5, 12.5
Identify common student errors.	English: 11.5, 12.5
Describe ground-reference maneuvers.	English: 11.5, 12.5
Describe VFR on top.	English: 11.5, 12.5
Describe night and high-altitude operations.	English: 11.5, 12.5
Describe management of emergency situations.	English: 11.5, 11.8, 12.5, 12.8