



# AFJROTC Science of Flight

- PS 1 Analyze the elements of flight including the principles and theory of flight, airfoils, relative wind, four forces of flight, and flight stability.
- PS 2 Explain how each part of the airplane functions and impacts flight including the various types of engines.
- PS 3 Explain how an airplane moves and how the primary controls work.
- PS 4 Evaluate how atmospheric conditions affect flight.
- PS 5 Evaluate how flight affects the human body.
- PS 6 Analyze flight navigation and the purpose of aerial navigation.
- PS 7 Demonstrate an understanding of controlled flight by successfully completing all flight lessons in Microsoft simulator including the solo flight.
- PS 8 Explain the key factors of effective communications.
- PS 9 Apply the key factors of effective communications.
- PS 10 Explain how personal awareness affects individual actions.
- PS 11 Explain the key elements of building and encouraging effective teams.
- PS 12 Apply the key behaviors for becoming a credible and competent leader.
- PS 13 Explain the purpose of AFJROTC.
- PS 14 Describe the structure of AFJROTC and our unit.
- PS 15 Explain AFJROTC dress and appearance standards and military traditions.
- PS 16 Explain the importance of having a good attitude, discipline, respect, and integrity.
- PS 17 Explain the USAF core values and how to implement them in your life.
- PS 18 Explain how to make ethical decisions.
- PS 19 Demonstrate how to properly wear the AFJROTC uniform once per week.
- PS 20 Explain the USAF marching movements and commands.
- PS 21 Demonstrate how to properly perform and command the AFJROTC 30-drill movement sequence.
- PS 22 Explain the importance of establishing a health and wellness program.
- PS 23 Demonstrate significant improvement in physical fitness program exercises.

- PS 24 9-10.RST.4 Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to grades 9–10 texts and topics.
- PS 25 9-10.RST.7 Translate quantitative or technical information expressed in words in a text into visual form (e.g., a table or chart) and translate information expressed visually or mathematically (e.g., in an equation) into words.
- PS 26 9-10.WHST.6 Use technology, including the Internet, to produce, publish, and update individual or shared writing products, taking advantage of technology’s capacity to link to other information and to display information flexibly and dynamically.
- PS 27 9-10.WHST.8 Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the usefulness of each source in answering the research question; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and following a standard format for citation