



SPRING 2017 Class Schedule

Snohomish County Airport / Paine Field (425) 353-2110 Ext: 8

www.wpaflys.org/aviation_academy.html

NOTE: Times are subject to change. Check email or Facebook group page for updates.

Week One	
<p><u>April 24</u> 7 PM to 8:30 PM Monday</p>	<p><u>Aviation Academy Welcome</u></p> <p><i>Introduction to the Aviation Academy. Review class materials, schedule and homework assignments. Proceed with the "Aviation and You" presentation.</i></p>
<p><u>April 26</u> 7 PM to 8:30 PM Wednesday</p>	<p><u>4 Forces of Flight</u> Read: Module 1, Pgs 1-14, 31-34, 38-42; Module 2, Pgs 12-18</p> <p><i>Aircraft motion and control, basic flight maneuvers, landings and stalls. (Lift - Weight - Thrust - Drag) and Flight Instruments.</i></p>
<p><u>April 29</u> 9 AM to 1 PM Saturday Meet at Museum of Flight Restoration Center</p>	<p><u>Tour of Paine Field Airport</u> Read: Module 2, Pgs 24-25</p> <p><i>This is a "behind the scenes" look at airport operations. Tours include the airport facilities, Fire Department, and the Museum of Flight's Restoration Center and flight schools.</i></p>
Week Two	
<p><u>May 1</u> 7 PM to 8:30 PM Monday</p>	<p><u>Props and Power</u> Read: Module 2, Pgs 1-10</p> <p><i>Power for flight, propellers, turbines, ramjets, aircraft systems and speculation on engines of the future.</i></p>
<p><u>May 3</u> 7 PM to 8:30PM Wednesday</p>	<p><u>Air Traffic Control</u> Read: Module 2, Pgs 24-37</p> <p><i>Air Traffic Control System and airspace. Review non-tower and tower controlled airports, Air Route Traffic Control, Approach and Departure Control.</i></p>
<p><u>May 6</u> 8:45 AM to 11 AM Saturday Meet @ HFF</p>	<p><u>Historic Flight Foundation Tour</u></p> <p><i>See a collection of flying historic aircraft such as a P-51 Mustang, F8F Bearcat, Supermarine Spitfire, F7F Tigercat, and the B-25 Mitchell bomber "Grumpy."</i></p>

Week Three	
<p><u>May 8</u> 7 PM to 8:30 PM Monday</p>	<p><u>Weather</u> Read: Module 3, Pgs 1-37</p> <p><i>Earth's atmosphere, heat and temperature, wind, fog, dewpoint, clouds, air masses and fronts. Knowledge of weather is critical to any "go or no-go" decision.</i></p>
<p><u>May 10</u> 7 PM to 8:30 PM Wednesday</p>	<p><u>Careers in Aviation</u></p> <p><i>This is your night! We will assemble as many experts from as many aviation fields as we can. They are here to answer any and all questions about careers in aviation.</i></p>
<p><u>May 13</u> 8:30 AM to 12 PM Saturday Meet at Future of Flight</p>	<p><u>Future of Flight Aviation Center & Boeing Tour</u></p> <p><i>A look at the Future of Flight and see how large commercial airplanes are put together at the Boeing Company.</i></p>
Week Four	
<p><u>May 15</u> 7 PM to 8:30 PM Monday</p>	<p><u>Navigation and Charts</u> Read: Module 2, Pgs 38-45</p> <p><i>The science of navigation, and the earth's reference system as it applies to Sectional Chart Navigation (pilot maps). The study will include wind correction and magnetic deviation.</i></p>
<p><u>May 17</u> 7 PM to 8:30 PM Wednesday</p>	<p><u>Cross Country Flight Planning</u></p> <p><i>Review Sectional charts in preparation for the "fly-out" on Saturday. Note: The Young Eagles form must be on file in order to participate on Saturday!</i></p>
<p><u>May 20</u> 9:30 AM to 5 PM Saturday Coincides with Aviation Day @ Paine Field Flight Times TBD</p>	<p><u>Graduation and Flights</u></p> <p><i>Weather permitting, students will be assigned to volunteer pilots and their airplanes from the Washington Pilots Association for a flight around the Puget Sound area.</i></p>