



Flight School 7-9 Syllabus

Course Goals

1 Learning to Fly

Students complete training modules similar to those used by professional pilots.

2 Historic Flight Scenarios

Students recreate famous moments in aviation history.

3 Aircraft Types

Students fly airplanes of different sizes, eras, and methods of propulsion, learning the peculiarities of each, and how flight technologies have evolved over time.

Course Topics

1 Flight Controls

Students learn the layout of an airplane cockpit, becoming familiar with the placement and function of different instruments. Students practice flying using a flight stick interface.

2 Takeoff and Landing

Students practice beginning and ending flights smoothly and safely.

3 Navigation

Students learn principles of navigation to chart flight paths and stay on course.

4 Visual and Instrument Flight

Students fly in different visibility conditions and learn to reliably interpret instrument data.

5 Traffic Pattern

Students learn to communicate with Air Traffic Control and safely share the sky with fellow pilots.

6 Emergency Maneuvers

Students practice responding to dangerous situations including stalls, engine failure, and conducting emergency landings.

7 Geography

Students explore different areas of the world, visiting airports of various sizes and elevations.

8 Weather Systems

Students fly in different weather conditions, and learn the basics of how weather systems form and change.

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