

## **#1: VOR Navigation Tutorial**

This tutorial has already taught thousands of pilots at FBO's and major universities how to use this essential navigation aid. All pilots can benefit from this tutorial, as it takes the user through basic navigation concepts, aircraft equipment, and real-world application. Many features are included—quizzes, easy to read graphics, and interactive simulations of aircraft equipment.

- Basic and advanced VOR theory
- Hands-on instruction with VOR equipment
- On-screen equipment simulation
- Using VOR
- Intercepting and tracking radials
- Finding position
- VOR specifications
- Situational awareness
- Sound narration and animation
- Quizzes

## **#2: NDB Navigation Tutorial**

NDB navigation can be confusing and frustrating, but not if it is presented in a simple and straightforward manner. The NDB Navigation tutorial teaches the pilot basic concepts that simplify NDB's and provides standardized procedures that make flying NDB's easy. The tutorial covers the use of aircraft equipment, homing, tracking, and interception of NDB bearings, and much more. You'll use simulations of actual aircraft equipment as real-life scenarios are presented.

- Basic and advanced NDB theory

- Instructs the use of ADF aircraft equipment
- On-screen interactive equipment simulations
- Real-life navigation scenarios
- Teaches bearing homing, intercepting, and tracking
- Finding position
- Use of aeronautical charts
- NDB Specifications
- Animation, sound narration, and quizzes

### **#3: Using HSI & RMI Tutorial**

Once you've mastered VOR and NDB concepts, try your hand at learning the HSI (Horizontal Situation Indicator) and RMI (Radio Magnetic Indicator) instruments. HSI and RMI instruments are typically found in higher-performance aircraft, and their interpretation can be tricky—that's where this tutorial comes in! If you're flying a higher-performance aircraft, or are acquiring an instrument rating, you'll save money and time by learning how to use these instruments on the ground.

- HSI and RMI Overview
- Components of HSI and RMI instruments
- On-screen interactive equipment simulations
- Real-life navigation scenarios
- Finding position
- Tips and pointers for practical use
- Animation, sound narration, and quizzes

## **#4: GPS Navigation Tutorial**

GPS, or Global Positioning System, represents the cutting-edge of navigation technology—it also presents pilots with new challenges. The GPS Navigation tutorial teaches pilots, regardless of experience, basic navigation concepts, including dead reckoning and pilotage, and relates them to this new technology. The GPS satellite system and terminology are explained in detail, and you'll use an interactive simulation of a panel-mounted GPS receiver to learn hands-on, operational use of GPS. By "flying" an actual trip scenario from Milwaukee, Wisconsin to Champaign, Illinois, you'll see just how easy and practical GPS navigation can be.

- Basic theory of the GPS satellite system
- Dead reckoning review
- Interactive GPS receiver simulator
- "Fly" a simulated trip using the GPS receiver
- Online glossary
- GPS error messages and safety factors
- Use of aeronautical charts
- Sound narration

## **#5: Airspace Tutorial**

This tutorial walks you through the complex airspace structure of the United States. You'll cover everything, from Class A airspace to Class G, including Special Use Airspace, Military Training Routes, and much more. Thorough explanations and 3-D representations of airspace make this topic easy to understand. You'll be an expert on airspace in a matter of hours.

- Covers Classes A, B, C, D, E, and G airspace
- Special Use, TRSA, and other miscellaneous airspace
- 3-D graphical representations
- Communications examples

- Clearly outlines weather and pilot requirements
- Uses Chicago in examples, as the busiest airspace
- Aeronautical chart explanations and callouts
- Legal ramifications of different airspace types
- Sound narration