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The Future of Flight Aviation Center & Boeing Tour Aviation Zones

The Future of Flight features interactive learning zones equipped with touch-screen computers operating an interactive program that lets you design your own aircraft. As you experience the gallery, you learn about the principal features of powered flight as well as the design and technological nuances of commercial airplanes at these interactive stations. You can then digitally design and test your own airliner designs.

Airplane Design Zone

Begin here, where you learn the key aspects and technological nuances of powered flight, highlighting design innovations that use a wide variety of fuselages, wings, engines and materials. Then go to one of the 15 computer stations to begin designing your own commercial jet.

Materials Zone

Here you see past and future fuselage sections and the materials of which they're made. A complete, one-piece barrel section from the testing phase of the new Boeing 787 lets you compare it to a cut-away section from an old Boeing 707 fuselage. You can touch the sections to see how rivets have been reduced and see the thicknesses of the differing fuselage sections.

Passenger Experience Zone

Near the one-piece proto-type 787 barrel, enter the initial mock-up of the 787 interior. Here you experience the new, larger windows, storage bins and aisles and see how the passenger experience is evolving. Watch a three-screen multimedia presentation about the 787 Dreamliner. Step outside the interior mock-up and view the latest in in-flight entertainment from the Panasonic Avionics Corporation's in-flight systems.

Visit the Passenger Experience Research Center (P.E.R.C.) which tests new airplane interior concepts. On-site is a full scale interior mockup of a possible future airplane. Visitors can view and help evaluate the interior.

Flight Systems Zone

Here you learn about the onboard but unseen systems that make airliners work: flight control, avionics, navigation systems and hydraulics.

Flight Deck Zone

Experience flight decks from the “dial and switches” era of the 727 flight deck to the current “flat panel” in airliners and then the future era of the Boeing 787 Dreamliner. Take a virtual tour of the 787 flight deck. Also view videos of historical flight decks while listening to narration about the reliability, safety and maintenance of flight decks.

Manufacturing Zone

Discover the future of airliner manufacturing using 3D animation.

Propulsion / Engines Zone

See real engines and learn about the different engine types and means of propulsion through video animation from the beginning of the jet age to engines of today.

Future Concepts Zone

See projected advancements and future concepts ranging from materials to manufacturing.

Now Pick Up Your Airliner Design in the Future of Flight Store

In each zone, you've been able to develop and modify your own airliner design via touch-screen computers. Now head to the Future of Flight Store to pick up your finalized design — a keepsake color print of your creation. It is personalized with your initial and a graphic summary of unique specifications and data you input to create this airliner.