



## Aerospace, Aviation and Hands-On Fun! New Exhibition Launches Visitors Into the Sky and Beyond

*Above and Beyond – The Ultimate Flight Exhibition* Opens June 1 at the New York Hall of Science

Queens, NY – The New York Hall of Science (NYSCI) launches museum visitors into the future of aerospace technology and air travel with the summer exhibition, *Above and Beyond – The Ultimate Flight Exhibition*. *Above and Beyond* is presented by Boeing and produced by Evergreen Exhibitions in collaboration with NASA and the Smithsonian’s National Air and Space Museum. The exhibition will be open June 1 – September 8.

“*Above and Beyond* is the feature attraction of our summer season, which focuses on flight and space,” said Dan Wempa, chief operating officer of NYSCI. “The hands-on interactives will give visitors insight into present-day aviation, as well as what is possible for the future.”


Through more than 15 exhibit components, visitors to *Above and Beyond* will explore innovations in aviation and aerospace, from the first powered flights to the newest innovations on Earth and in space. As guests enter *Above and Beyond*, they will be welcomed with an immersive, wraparound theater that highlights the epic quest to challenge the limits of flight. Continuing through the exhibition, they will learn more about flight through the hands-on interactives. They can step into a simulated space elevator that takes them to the edge of the universe, design and test a supersonic fighter jet to face off in a virtual high-speed flying competition, experience what it’s like to fly like a bird through a flying simulation with motion-sensing technology, and more.

“Sparking an interest in the wonder of aerospace at an early age is a priority for Boeing, and the *Above and Beyond* exhibition provides future engineers, pilots or astronauts with an interactive glimpse into how they can achieve their dreams and inspire them to pursue careers in science and technology,” said Greg Hyslop, Boeing chief technology officer.

Exhibits include:

- **Beyond the Limits** – This three-minute video celebrates the epic quest to challenge the limits of flight and the power of innovation to propel humans above and beyond every new horizon.
- **Digital Timeline** – A multilayered digital touchscreen timeline where visitors can retrace innovators and innovations that have transformed the world through flight.
- **Spread Your Wings** – A group flying experience where motion-sensing technology and computer graphics transform visitors into virtual birds. Visitors explore the forces of flight – lift, weight, thrust and drag – as they lean to steer, and flap and angle their wings to fly.
- **Take Flight** – Virtual 3D models demonstrate key innovations in flight and the science behind them. Visitors select one model at a time from contemporary versions of six different aircraft, then make it fly, find out how it works, and explore its heritage.



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- **Shock Waves** – Allows visitors to perform a simulated wind tunnel test to gauge the effects of aerodynamics on high-speed flight.
  - **Full Throttle** – Visitors use aerodynamic principles to design their own virtual fighter jets and race against others in a high-speed flying competition.
  - **Smart Manufacturing** – This video demonstrates smart technologies that are shaping how aerospace companies design and build aircraft, including virtual design and rapid prototyping, 3D printing and manufacturing robots.
  - **Future Aircraft** – A touchscreen where visitors can explore concepts for future aircraft that fly faster, greener and better in various ways. They'll experience new supersonic passenger jets, a flying car, a hypersonic aircraft that flies more than five times the speed of sound, and more.
  - **RoboFlyers** – In this fascinating look at applications for remotely piloted technologies, visitors launch their unique Roboflyer designs to test their skills at equipping and programming flyers for the missions they choose.
  - **Smart Skies** – A brief, theater-style presentation reveals how smart technologies will transform air space. Visitors discover innovations to decrease weather delays, reduce pollution, and improve air traffic efficiency.
  - **Future Spacecraft** – Touchscreen media and images of futuristic spacecraft systems give visitors a sneak peek at exciting innovations designed to open the space frontier to everyone and propel human astronauts farther than ever before.
  - **Marathon to Mars** – Through an augmented-reality experience, visitors explore first-hand the challenge of flying to Mars. They'll take on the physical and psychological challenges of the journey and try out some potential solutions.
  - **Space Junk** – In this virtual timed challenge, visitors try to eliminate orbital debris surrounding Earth, using cutting-edge solutions.
  - **Elevator to Space** – Visitors ascent to Earth orbit aboard a simulated space elevator of the future. During their ascent, breathtaking scenery, visual displays and a virtual tour guide describe aircraft, spacecraft and aerospace phenomena.
  - **Dreams Aloft** – As visitors exit the exhibition, they view a montage of video vignettes by young aerospace employees who describe their inspirations, projects and dreams for the next century of flight. Visitors can add their own visions for the future of flight to a collective wall of dreams.

*Above and Beyond* is open June 1 through September 8, 2019. Entry to the exhibition costs \$4 per person, plus NYSCI admission. Museum members can enter for free. For more information, visit [nysci.org](http://nysci.org).

**Hi-Res photos and video in mp4, mpg and mov formats** are available for media use on request. Please contact Mary Record at [mrecord@nysci.org](mailto:mrecord@nysci.org) or 718-595-9123.





New York Hall of Science



**About The New York Hall of Science** – The mission of the New York Hall of Science (NYSCI) is to nurture generations of passionate learners, critical thinkers and active citizens through an approach called Design, Make, Play. Design, Make, Play emphasizes open-ended exploration, imaginative learning and personal relevance, resulting in deep engagement and delight in science, technology, engineering and mathematics. NYSCI was founded at the 1964-65 World’s Fair and has evolved into New York’s center for interactive science serving a half million students, teachers and families each year. NYSCI is open Monday – Friday, 9:30 am – 5 pm and weekends, 10 am – 6 pm. General admission is \$16 for adults and \$13 for children (ages 2-17), college students with valid ID, and seniors (62+). For more information, visit [nysci.org](http://nysci.org) or call 718-699-0005. Follow NYSCI on Twitter and Instagram: @nysci, and on Facebook at: [facebook.com/nysci](https://facebook.com/nysci).

**About Boeing** – Boeing is the world’s largest aerospace company and leading provider of commercial airplanes, defense, space and security systems, and global services. As the top U.S. exporter, the company supports commercial and government customers in more than 150 countries. Boeing employs more than 150,000 people worldwide and leverages the talents of a global supplier base. Building on a legacy of aerospace leadership, Boeing continues to lead in technology and innovation, deliver for its customers and invest in its people and future growth. For more information, visit [boeing.com](http://boeing.com).

**About Evergreen Exhibitions (formerly Clear Channel Exhibitions)** – Evergreen Exhibitions is one of the world’s premier providers of traveling museum exhibits. Evergreen Exhibitions conceptualizes, designs, produces, markets and tours its traveling museum exhibits, primarily in science, art, natural history and children’s museums. The exhibits use educational concepts to create high quality, immersing, multi-sensory, entertaining and educational experiences for family audiences. More than 100 million people worldwide have enjoyed a Evergreen Exhibitions experience. Highly respected in the science museum community for its commitment and dedication to quality and education, Evergreen Exhibitions has established a niche for producing sponsored educational experiences for family audiences. For more information, visit [evergreenexhibitions.com](http://evergreenexhibitions.com).

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