

TIME AND NAVIGATION

From **Chronometers** to **GPS**



A major new exhibition
at the Smithsonian's National Air and Space Museum

National Air and Space Museum



World's showcase of aerospace technology

7 million visitors per year

Rare opportunity to replace a 5,000 square-foot gallery

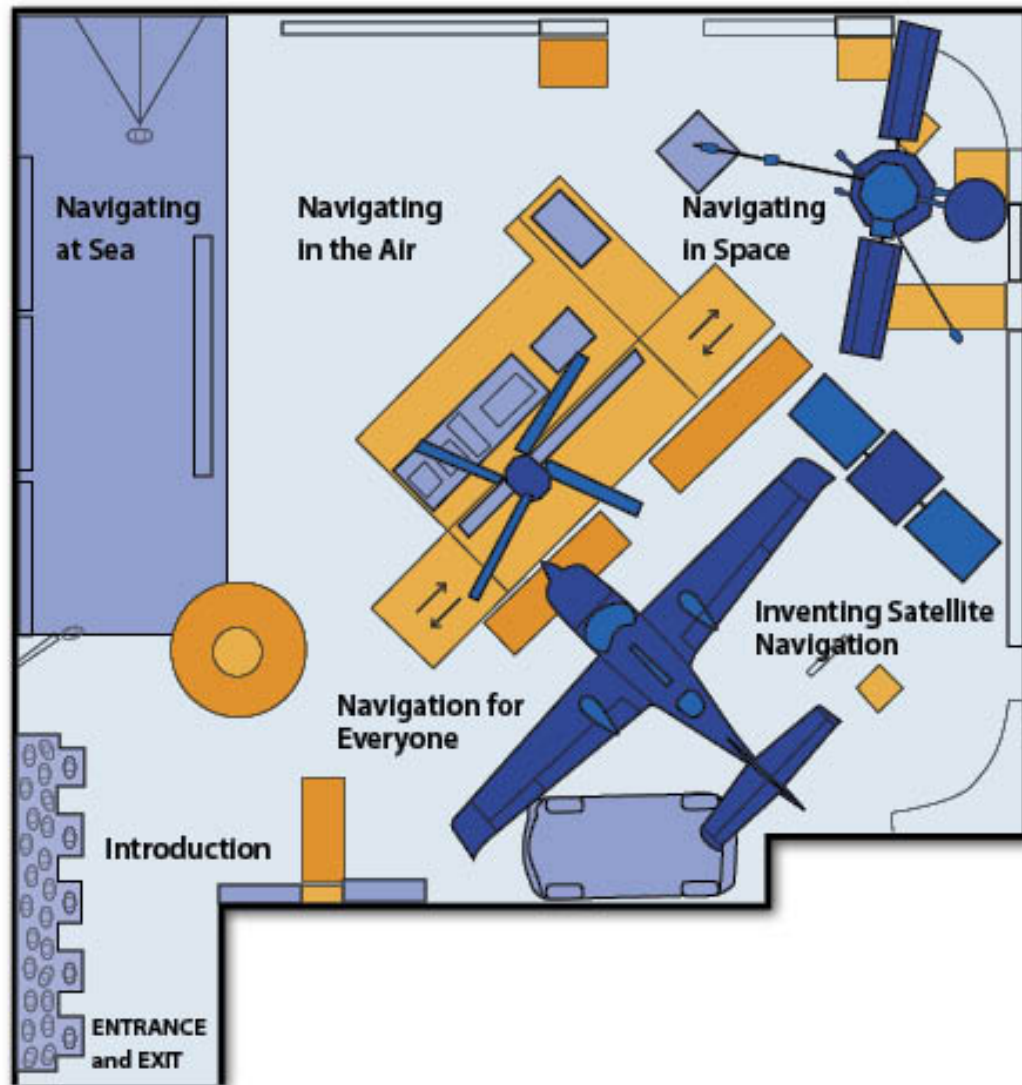
4.6 million website visitors per year

Unique collaboration between two Smithsonian museums:

National Museum of American History and National Air and Space Museum

TIME AND NAVIGATION

Exhibition Plan



Introduction

If you want to know where you are, you need an accurate clock.

Navigating at Sea

Learn how mariners were lost at sea without clocks.

Navigating in the Air

See how aviators adapted maritime techniques and took to the skies.

Navigating in Space

Meet the navigators who guide spacecraft across the solar system.

Inventing Satellite Navigation

Encounter the inventors who put clocks in satellites to locate points on Earth.

Navigation for Everyone

Discover the role of time and navigation in your life.

TIME AND NAVIGATION

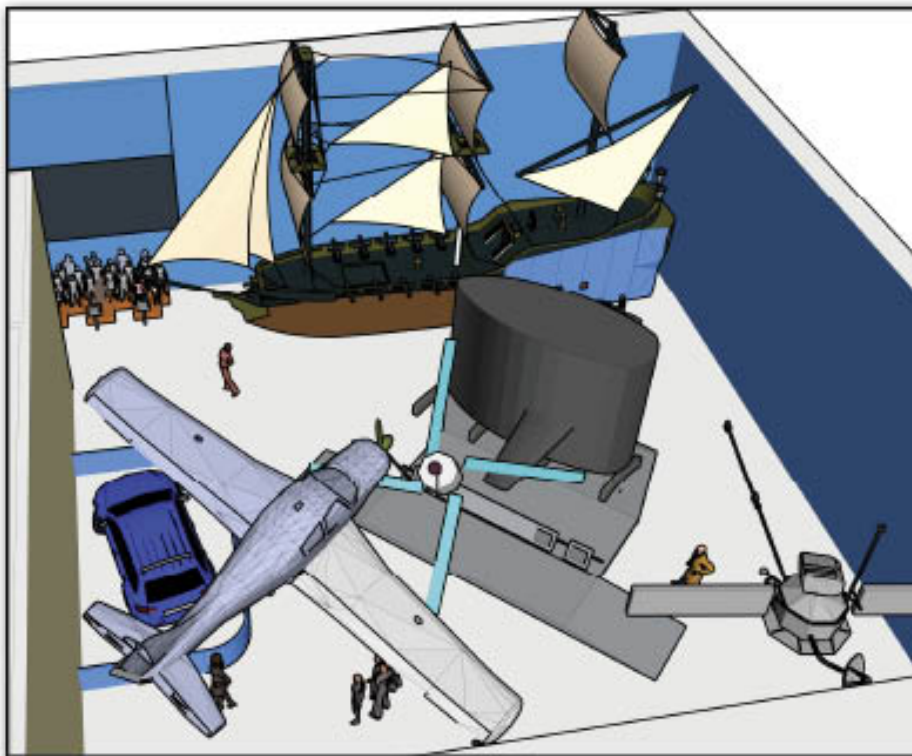
Exhibition Highlights

Unique artifacts and activities will demonstrate three major themes:

If you want to know where you are, you need an accurate clock.

For centuries, nations have invested enormous resources to determine time and place.

Precise timekeeping and navigation change our view of the world.



Bird's-Eye View

Highlights include:

- A walk-through 19th-century sailing vessel
- A submarine navigation center
- Navigation satellites
- A modern aircraft
- A robotic vehicle

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Schedule and Budget

Schedule

August 2009	Funding commitments in place
2009-2012	Payments made <i>(Payment schedules will be customized)</i>
	Exhibition development and installation; web presence
November 2012	Exhibition opens with private gala and public celebration

Budget

\$3.65 million	Total budget requirement
\$2.65 million	Now committed, from aerospace and government sources

Join in this major exhibition

TIME AND **NAVIGATION**

Currently Committed Donors

Northrop Grumman

ITT Corporation

DOT/PNT/NOAA

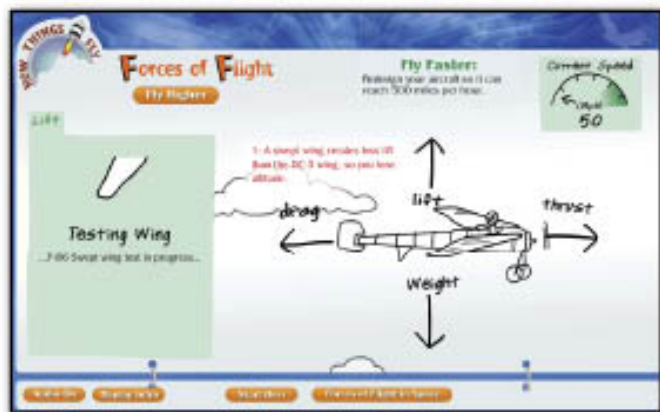
Honeywell

Rockwell Collins

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Educational Outreach

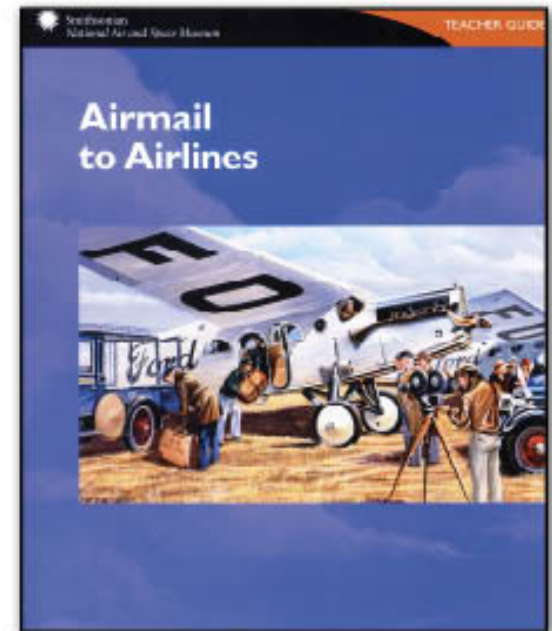
Takes content beyond the gallery walls to enrich classroom and on-line visitor experiences
Examples from current exhibitions are shown below.



Online exhibition activities will be featured on the websites of both museums.



Family Day events are free and open to the public.



Educational publications meet national standards.

TIME AND NAVIGATION

Educational Programs



See yourself in a storyline.



Engage with real artifacts...



...and real stories about real people.



Learn more at Discovery Stations.