

Have you ever traveled by plane? If so, where have you been?

Have you ever traveled by plane?

I, so, where have you been?



Here
Connecticut
Florida



France, Trinidad, Australia

India, and Ukraine

😊 flew back home to Palestine
-maya 😊

florida matt s


Florida

Nope took a bus to PA from NE.

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Get missing work in

Get missing work in

- Please make sure to submit any work you are missing from 

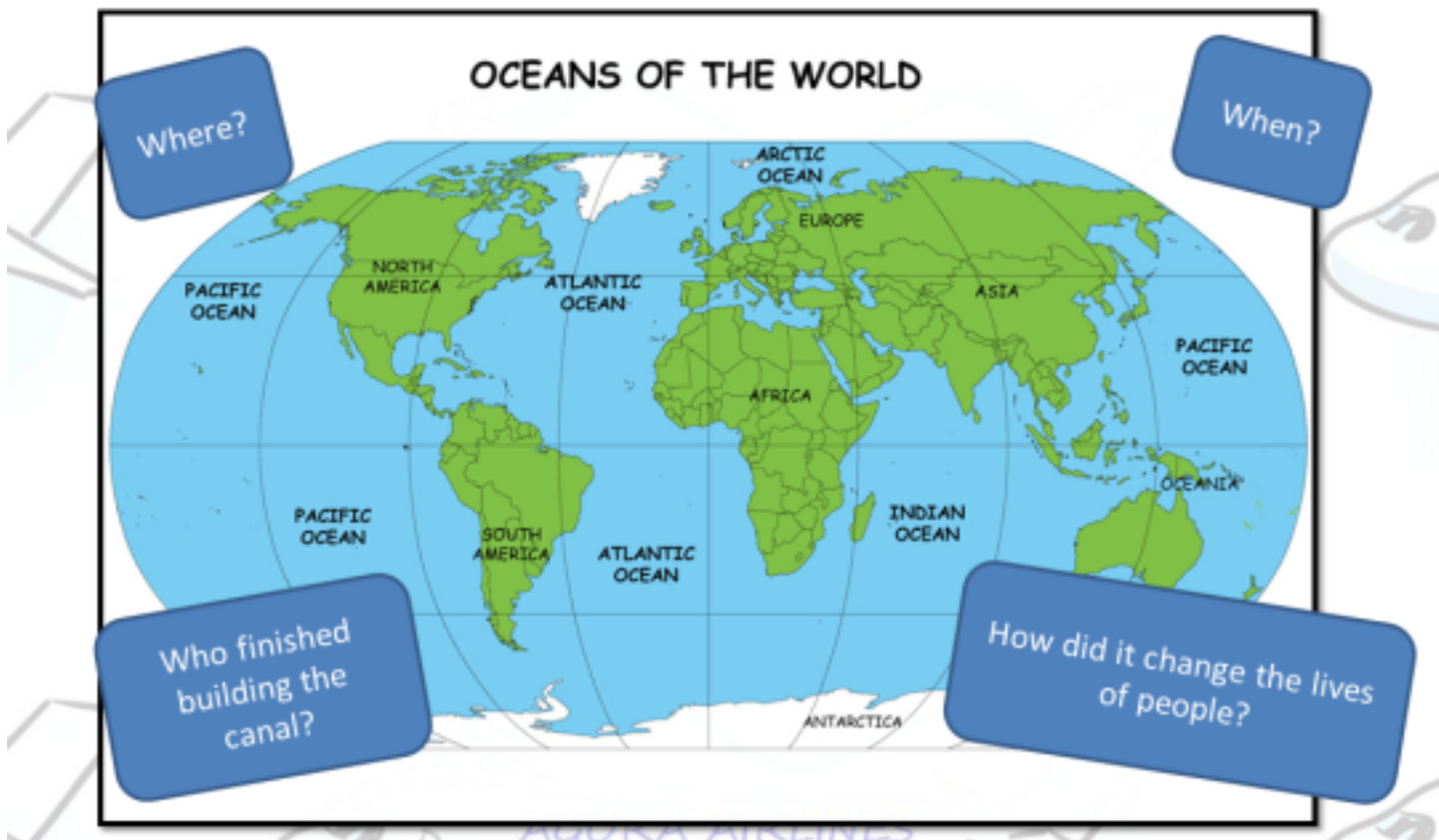
Quarter 3 & 4

- Turning in an assignment > getting a 0% ☹️

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Yesterday, we linked which two bodies of water?

Yesterday, we linked which two bodies of water?



Today??s mission

Today's mission

I'm going to need some help today!

Any volunteers to co-pilot?

- Learn about different people involved in the development of air travel
- How did they figure out how to fly?

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Grab your boarding passes!

Grab your boarding passes!



First Class Mission: Early Thoughts and Attempts at Flight

First Class Mission: Early Thoughts and Attempts at Flight

- **Ancient Greeks**

- Told myth about Daedalus and his son named Icarus

- Flew with Wings made of feathers and wax.

- Icarus flew too close to the Sun which melted the wax and sent Icarus plummeting into the Ocean



First Class Mission: Early Thoughts and Attempts at Flight

First Class Mission: Early Thoughts and Attempts at Flight



- The Chinese
 - Marco Polo reported seeing “kites” that carried people when he visited China in the 14th century
- Leonardo da Vinci
 - Tried to design a Machine with wings that flapped
 - Never got off the ground

Coach Mission: Hot Air Balloons

Coach Mission: Hot Air Balloons

- Designed by two men from
France _____
- First one made of linen and
paper _____
- They used this contraption
to float over Paris, France
- Difficult to control,
so inventors kept looking for
another way to fly



Coach Mission: Otto Lilienthal

Coach Mission: Otto Lilienthal

- Otto Lilienthal is called the **first successful aviator** in the history of man.
- Both his research and his successful flights between 1891 and 1896 **inspired the** Wright **brothers.**
- Lilienthal made some 2000 flights
- Became known as the glider **King**



Coach Mission: Other Attempts

Coach Mission: Other Attempts

Would you take off from here?



The Launching Apparatus
atop a house boat

- **Samuel P. Langley**
 - Secretary of the Smithsonian Institution in Washington, D.C.
 - Built steam-driven
aircraft
 - Kept crashing into the
Potomac River

What names come to mind when you think of flying?

What names come to mind when you think of flying?



Iron man, The Wright brothers, Davinci, Dragonite



Business Class: The Wright Brothers

Business Class: The Wright Brothers

- Wilbur and Orville Wright
 - Owned a bicycle shop in Dayton, Ohio
 - Building bicycles gave them the knowledge of what made a machine turn left and right and what causes a machine to stay balanced



Business Class: The Wright Brothers

Business Class: The Wright Brothers

- Studied Lilienthal's gliders
- Figured out why gliders couldn't fly and continued experimenting until they found a design that could fly and land safely

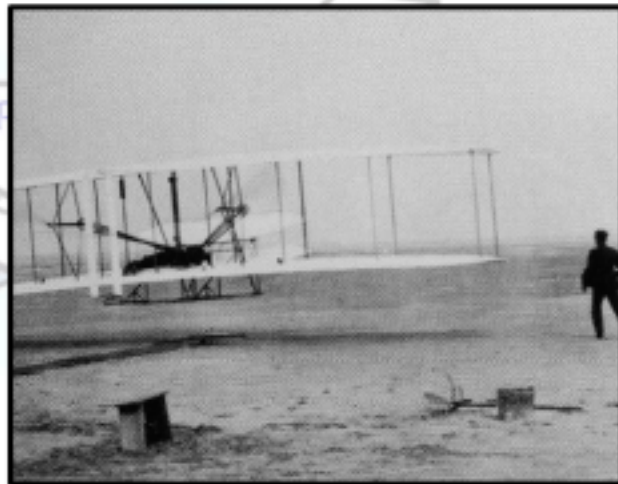


- They called this
“ Scientific Kite
Flying ”

Business Class: The Wright Brothers

Business Class: The Wright Brothers


- Once they figured out a design for a glider that worked, they built propellers and a light-weight motor.
- They put the propeller and motor on their glider design and had the engine powered flying machine



Great work??. Let??s check in with our pilot!

Great work.... Let's check in with our pilot!

- *How did air travel improve the lives of people?*




helped people get to places faster
saved travel time
connected people

- *Who were Orville and Wilbur Wright?*

Wright brothers
inventors

first successful plane



In flight movie??.

In flight movie....




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Eventually, people began to think of practical purposes for flight. Can you think of what they would use air travel for?

Eventually, people began to think of practical purposes for flight.

Can you think of what they would use air travel for?



commercial air travel • - visiting friends or family

people will fly distances for work

transporting different goods

military use in warfare

to help/rescue

Stunts/entertainments



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Exit Tickets, please!

Exit Tickets, please!



How did the airplane develop and who were some of the important people involved?

Type in Chat please

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Extension

Extension

- Check out all the different attempts at flight at <http://www.flyingmachines.org/>



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Awesome Job Today!

Awesome Job Today!

Homework:

- 15.2 take home quiz.
- Answer ?'s 21-24 in Unit 15
Reading Guide HW and
turn it in.



How did the airplane develop and who were some of the important people involved?



Don't forget the exit ticket