

A Revolution in Transportation and Communication

What is your
favorite method
of travel?



Unit 11, Lesson 4, day 1

A Revolution in Transportation and Communication



Reminder

Reminder



- We will not be doing Lesson 3 for Unit 11 today we are doing Lesson 4
- 1 month from today= end of quarter 3

Slide4

As we go through today's lesson, think about how perseverance ties into the advances in transportation.

How did transportation change in the late 1700s and early 1800s?



- Describe the need for better roads in the 1700s and 1800s and the attempts to improve roads.
- Explain how better transportation led to more trade and lower prices for goods.
- Describe the rise of canal building in the late 1700s and early 1800s.
- Identify Fulton and his contribution to steam-powered boats.
- Identify Stephenson and his contribution to railroad travel.

You say you want a revolution??.

You say you want a revolution....

- What do you think a revolution in transportation means?
 - A fight between the railroad industry and the auto industry
 - A change in the way people made clothing
 - A fight between the automobile industry and the space shuttle industry

➤ A change in the way people traveled

Highlight the answer you think is correct 😊

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How would you describe these roads?



Slide7

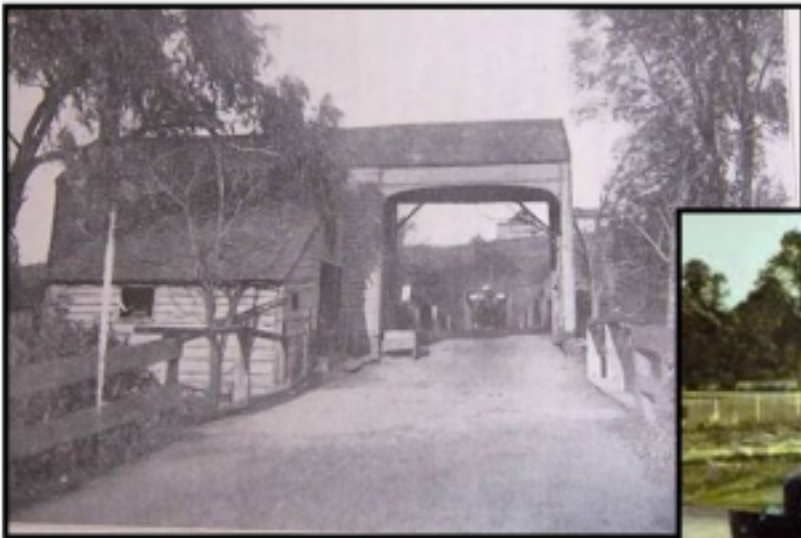
What effect might the condition of these roads have on trade?



Turnpike ?? what is it?

Turnpike – what is it?

- Roads with gates and guards that could only be used after the payment of a toll



Today in PA??.

Today in PA....

Put a green check on the whiteboard if you've ever traveled on the turnpike



John McAdam built raised roads on a foundation of crushed rock??

John McAdam built raised roads on a foundation of crushed rock...

- What are the advantages of slightly raised roads build on a foundation of rock?
 - A. They drained well ✓
 - B. They were bumpy
 - C. They held up to heavy traffic ✓
 - D. Both A and C
 - E. A, B & C



Meanwhile in Britain??

Meanwhile in Britain...

- Improved roads in Britain led to increased trade and lower prices.
- Moving supplies over water has always been easier than moving supplies over land
- Better transportation was needed
- Britain began building Canals.

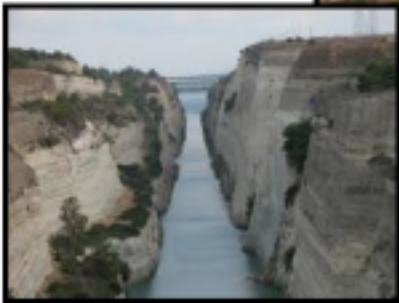


What??s a canal?

What's a canal?



Man – Made!



- An artificial waterway or artificially improved river used for travel, shipping, or irrigation

Why would you need **perseverance** to build a canal?

Britain develops a canal system

Britain develops a canal system

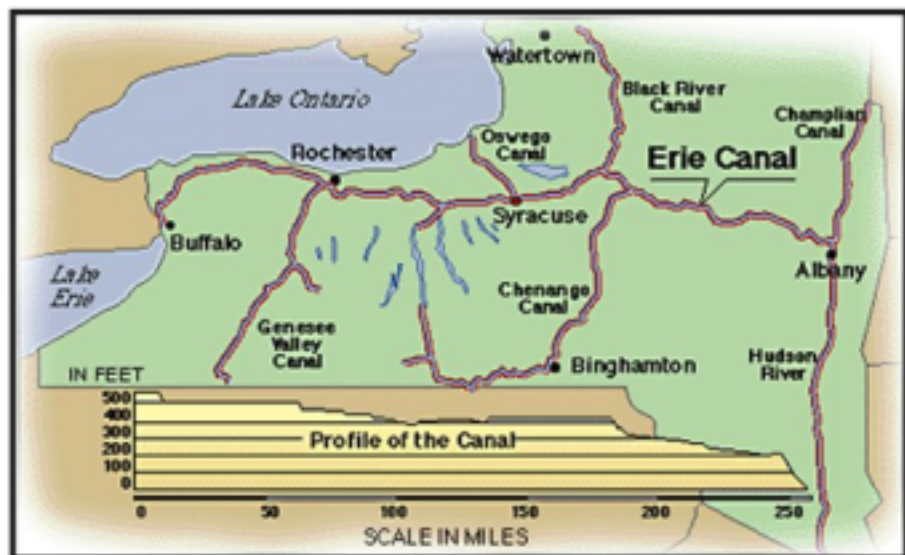


- Parliament passed laws directing that rivers be dug deeper and wider
- Private companies cut canals to connect rivers.
- Web of waterways allowed boats to reach towns they had never been able to reach before.

Canal building in the United States

Canal building in the United States

- Can you name a famous canal in the United States?



Slide15

**CHESAPEAKE
AND
DELAWARE
CANAL.**

Notice is hereby given, that this *CANAL* is
NOW OPEN FOR NAVIGATION.

The Locks are 100 feet in length, by 22 feet in width, and the Canal can be navigated by Vessels within those dimensions, and drawing 7 feet of water.

The rates of Toll have been fixed so low, as to make this the *CHEAPEST* as well as the most *EXPEDITIOUS* and *Safe* channel of communication, between the waters of the Chesapeake and Delaware.

Horses for towing vessels may be hired at reasonable prices at each end of the Canal.

Any information in relation to the Canal, rates of Toll, &c. may be had, on application at the Company's Office, No. 44 Walnut Street, Philadelphia.

H. D. GILPIN, Secretary. circa 1829 ROBERT M. LEWIS, President.
Chesapeake & Delaware Canal Company.



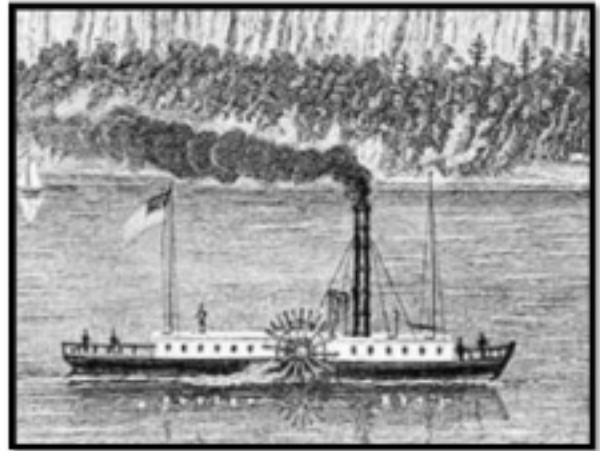
Robert Fulton

Robert Fulton



Do you think
Robert Fulton had
perseverance?

- Gets popular credit for “inventing the steamboat”
- Also a great businessman



Steamboats

Steamboats

- Where do you think steamboats sailed?

Use your fireflies!



Rivers

Lakes



Atlantic
Ocean

And now onto??.trains

And now onto....trains



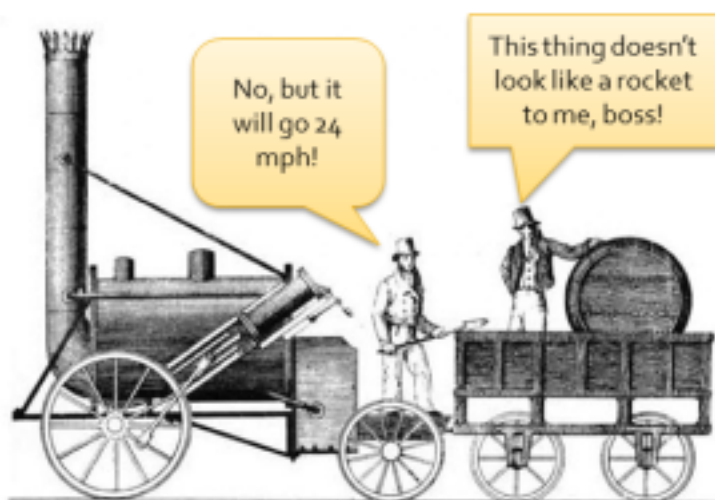
George Stephenson and the Rocket

George Stephenson and the *Rocket*

**NO, NOT THIS
KIND OF ROCKET**



**This kind of
Rocket!**



Railroads in the United States??

Railroads in the United States...

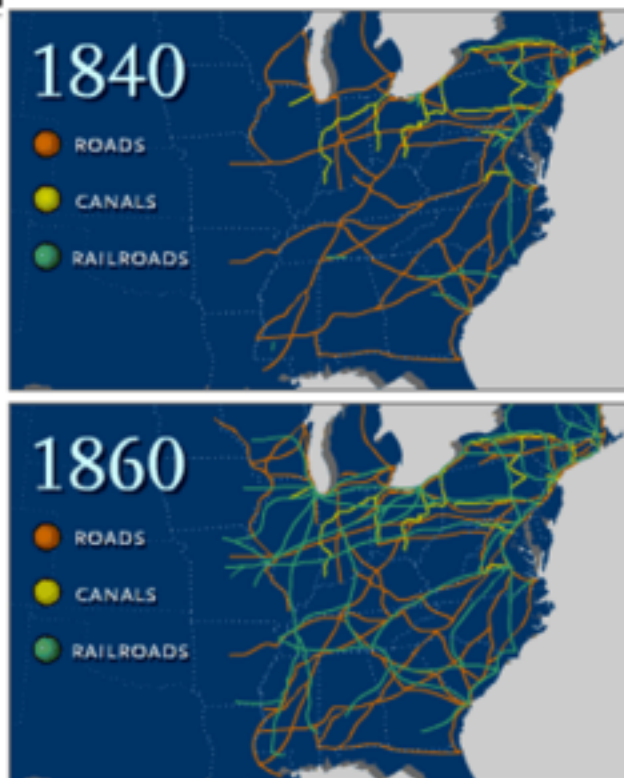
Put a green check on the board if you've ever been on a train!

- As with canal construction, **railroad** construction also took off in the United States.
- Some began talk of building a railroad that would stretch all the way from the Pacific Ocean to the Atlantic Ocean



Look how they expanded

Look how they expanded



What railroad have you ridden on?

What railroad have you ridden on?

- Amtrak?
- SEPTA?
- Lehigh Gorge Scenic Railway?



- I have been on SEPTA 😊



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EXIT TICKET!

Type your answer into the chat box to answer the exit ticket before you leave!

So...How did transportation change in the late 1700s and early 1800s?



For Homework:

- Read pages 468-473 in your  textbook
- Complete # 7-9 in Unit 11 Sapphire hw
- For # 10 write out a funny joke

