

Missouri: Gateway to the West

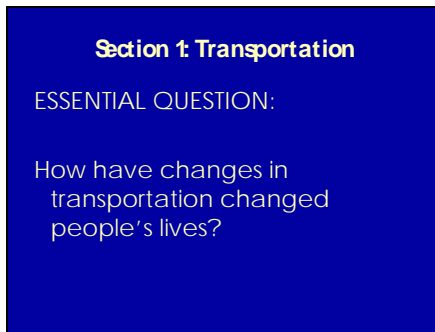
Chapter 11: Modern Missouri

Study Guide & Student Notes

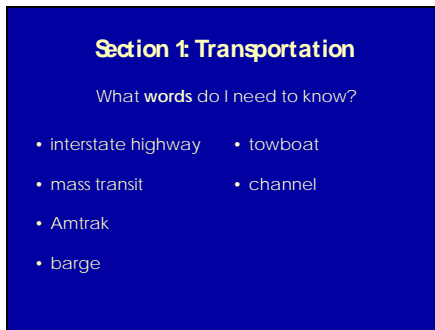
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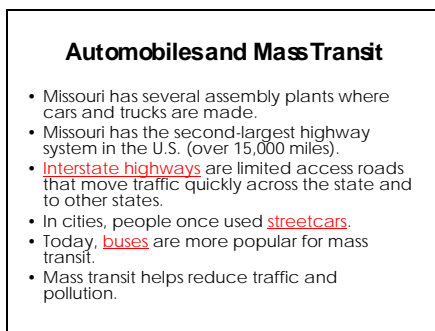
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Aircraft

- Airplanes are built in Missouri, and there are two large airports ([St. Louis](#) & [Kansas City](#)).
- There are many smaller community and private [airports](#) in the state.

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Railroads

- Kansas City is the country's second-largest railroad hub.
- Railroads transport containers which will be shipped across the ocean to other countries.
- Coal used in power plants is transported by rail.
- When some rail lines closed, they were made into trails like the [Katy Trail](#).
- [Amtrak](#) is a passenger train service that connects Kansas City and St. Louis to cities in other states.

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River Transportation

- [Barges](#) of grain, coal, chemicals, and other products go back and forth from Missouri to New Orleans.
- Goods in New Orleans are loaded on ships to be sold in other parts of the world.
- Towboats push groups of barges up and down the rivers.
- Some barges collect sand from the bottom of the river to make concrete and for other purposes.
- [The Army Corps of Engineers](#) keeps channels in the river deep enough for boats.
- Locks and dams have been built to help get towboats and barges further up river.

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Section 2: Communication

ESSENTIAL QUESTION:

How have changes in communications changed the lives of Missourians?



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Section 2: Communication

What **words** do I need to know?

- Internet
- e-mail
- website
- World Wide Web
- broadcast

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Telephones

- Telephones have changed a lot in the past century.
- Cell phone use has grown tremendously, but most people still have land lines to their homes.
- Voices and data are now sent by phone lines.
- A cell phone sends information through the air from one tower to the next.
- Land lines send signals by wire.

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Computers and the Internet

- Computers have become common in homes and schools.
- People use computers for business, education, and games.
- Information is shared over the Internet on the World Wide Web, and e-mail has become a fast way to communicate.
- Pictures and other information can be quickly shared on the Web.
- Many people share their thoughts and opinions on their blog.

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Newspapers and Publishing

- Larger cities have daily newspapers, while smaller towns may have weekly papers.
- Newspapers are an important way for people to get information.
- Comics and games are a common part of newspapers.
- Advertisements help to pay for the cost of creating the newspaper.



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Radio and Television

- Over 370 radio stations are in Missouri.
- Some stations are very small and can only be heard in a small area.
- Many stations now broadcast their programs on the Internet.
- There are 25 television stations in the state.
- Although the stations send their signals through the air, many people get their television signals from cable or satellite.
- Commercial television stations are paid for by advertising.
- Public television stations are supported by tax money and donations.

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Section 3: Modern Technology

ESSENTIAL QUESTION:

What challenges do people face with new technologies?

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Section 3: Modern Technology

What words do I need to know?

- biomedical research

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Health Care

- Medical researchers have helped to improve the lives of all people.
- Missouri is home to several medical and nursing schools, as well as drug companies that work to provide improved health care.
- Researchers in Missouri are working to restore hearing for the deaf, and they are examining genes to discover what causes certain diseases and disorders.



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Education

- Technologies have changed school classrooms.
- Calculators, computers, CDs, and DVDs are a part of children's education.
- Newer school buildings are more energy efficient.

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The Workplace

- Schooling helps to prepare young people for jobs.
- Many jobs today use technology.
- Fewer workers are needed in factories to do labor, but people are needed to control the machines and program the computers needed to run robotic arms and other devices.

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Section 4: The Future

ESSENTIAL QUESTION:

What challenges do Missourians face in the future?

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Section 4: The Future

What **words** do I need to know?

• bilingual	• fossil fuels
• baby boom	• global warming
• suburb	
• urban sprawl	



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Population Changes

- Although Missouri is mostly white (85%), there are other ethnic groups, too.
- Blacks make up about 11% of the people.
- Hispanics are the fastest growing group, and more Asians are moving to Missouri, too.
- The average age of people in Missouri is going up.
- Since the needs of older people are different than those of younger people, we may need more doctors, nurses, and retirement homes, and fewer teachers and schools.

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Environmental Challenges (page 1)

- Suburbs have grown in all parts of the state in the past fifty years.
- People in the suburbs have to travel further to get the things they need.
- To do this, most of them drive, which adds to pollution and uses fuel.
- People have built larger homes which require more energy to heat and cool.
- Some believe that burning fossil fuels like gasoline is causing the earth to heat (global warming).

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Environmental Challenges (page 2)

- Using less fossil fuels and different, cleaner energy sources will help us have a healthier environment.
- Today's students will be the citizens who will have to face and solve these and many other important issues.

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