

GRADE 4

Interurban Railway Museum Tour Curriculum TEKS Cross-match for Field Trips Interurban Railway Museum Tour Curriculum Proposed TEKS

Station 1-Train Car

Grade 4 TEKS

Social Studies

4.4C identify the impact of railroads on life in Texas, including changes to cities and major industries;

4.5A identify the impact of various issues and events on life in Texas such as urbanization, increased use of oil and gas, the Great Depression, the Dust Bowl, and World War II

4.8A identify and explain clusters and patterns of settlement in Texas at different time periods such as prior to the Texas Revolution, after the building of the railroads, and following World War II

4.8B describe and explain the location and distribution of various towns and cities in Texas, past and present

4.9B identify reasons why people have adapted to and modified their environment in Texas, past and present, such as the use of natural resources to meet basic needs, facilitate transportation, and enhance recreational activities

4.12E explain how developments in transportation and communication have influenced economic activities in Texas

Station 2- Electricity Room

Grade 4 TEKS

Science

4.2F communicate valid, oral, and written results supported by data

4.5A measure, compare, and contrast physical properties of matter, including size, mass, volume, states (solid, liquid, gas), temperature, magnetism, and the ability to sink or float

4.6A differentiate among forms of energy, including mechanical, sound, electrical, light, and heat/thermal;

4.6B differentiate between conductors and insulators;

4.6C demonstrate that electricity travels in a closed path, creating an electrical circuit, and explore an electromagnetic field

Station 3-Large Rotary Converter

Grade 4 TEKS

Social Studies

4.4C identify the impact of railroads on life in Texas, including changes to cities and major industries

Science

4.2F communicate valid, oral, and written results supported by data

4.6A differentiate among forms of energy, including mechanical, sound, electrical, light, and heat/thermal;

4.6B differentiate between conductors and insulators;

4.6C demonstrate that electricity travels in a closed path, creating an electrical circuit, and explore an electromagnetic field

Station 4-Model railroad

Grade 4 TEKS

Social Studies

4.4C identify the impact of railroads on life in Texas, including changes to cities and major industries

4.9B identify reasons why people have adapted to and modified their environment in Texas, past and present, such as the use of natural resources to meet basic needs, facilitate transportation, and enhance recreational activities

4.12B explain how geographic factors such as climate, transportation, and natural resources have influenced the location of economic activities in Texas

4.12E explain how developments in transportation and communication have influenced economic activities in Texas;

Science

4.2F communicate valid, oral, and written results supported by data

4.6A differentiate among forms of energy, including mechanical, sound, electrical, light, and heat/thermal

4.6C demonstrate that electricity travels in a closed path, creating an electrical circuit, and explore an electromagnetic field

Station 5-Financing of the Train

Grade 4 TEKS

Math

- 4.1A apply mathematics to problems arising in everyday life, society, and the workplace;
- 4.1F analyze mathematical relationships to connect and communicate mathematical ideas;
- 4.1G display, explain, and justify mathematical ideas and arguments using precise mathematical language in written or oral communication.
- 4.4D use strategies and algorithms, including the standard algorithm, to multiply up to a four-digit number by a one-digit number and to multiply a two-digit number by a two-digit number.
- 4.10B calculate profit in a given situation
- 4.10E describe the basic purpose of financial institutions, including keeping money safe, borrowing money, and lending

Social Studies

- 4.4C identify the impact of railroads on life in Texas, including changes to cities and major industries
- 4.12E explain how developments in transportation and communication have influenced economic activities in Texas
- 4.21E use appropriate mathematical skills to interpret social studies information such as maps and graphs
- 4.22A use social studies terminology correctly
- 4.22C express ideas orally based on research and experiences

Station 6-Train Destinations Map

Grade 4 TEKS

Math

- 4.1A apply mathematics to problems arising in everyday life, society, and the workplace;
- 4.1F analyze mathematical relationships to connect and communicate mathematical ideas;
- 4.1G display, explain, and justify mathematical ideas and arguments using precise mathematical language in written or oral communication.
- 4.4D use strategies and algorithms, including the standard algorithm, to multiply up to a four-digit number by a one-digit number and to multiply a two-digit number by a two-digit number.
- 4.4F use strategies and algorithms, including the standard algorithm, to divide up to a four-digit dividend by a one-digit divisor
- 4.4H solve with fluency one- and two-step problems involving multiplication and division, including interpreting remainders

Social Studies

- 4.6A apply geographic tools, including grid systems, legends, symbols, scales, and compass roses, to construct and interpret maps
- 4.6B translate geographic data, population distribution, and natural resources into a variety of formats such as graphs and maps.

Station 7-Early History of Plano

Grade 4 TEKS

Social Studies

4.1A explain the possible origins of American Indian groups in Texas and North America;

4.1B identify American Indian groups in Texas and North America before European exploration such as the Lipan Apache, Karankawa, Caddo, and Jumano