

GRADE 5

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

Station 1-Train Car

Grade 5 TEKS

Social Studies

5.5A 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

5.22A identify the similarities and differences within and among various racial, ethnic, and religious groups in the United States

5.23B identify how scientific discoveries, technological innovations, and the rapid growth of technology industries have advanced the economic development of the United States, including the transcontinental railroad and the space program

Station 2- Electricity Room

Grade 5 TEKS

Science

5.2D analyze and interpret information to construct reasonable explanations from direct (observable) and indirect (inferred) evidence

5.6A explore the uses of energy, including mechanical, light, thermal, electrical, and sound energy;

5.6B demonstrate that the flow of electricity in circuits requires a complete path through which an electric current can pass and can produce light, heat, and sound

Station 3-Large Rotary Converter

Grade 5 TEKS

Science

5.2D analyze and interpret information to construct reasonable explanations from direct (observable) and indirect (inferred) evidence

5.2F communicate valid conclusions in both written and verbal forms

5.6A explore the uses of energy, including mechanical, light, thermal, electrical, and sound energy;

5.6B demonstrate that the flow of electricity in circuits requires a complete path through which an electric current can pass and can produce light, heat, and sound

Social Studies

5.25C express ideas orally based on research and experiences

5.23B identify how scientific discoveries, technological innovations, and the rapid growth of technology industries have advanced the economic development of the United States, including the transcontinental railroad and the space program

Station 4-Model railroad

Grade 5 TEKS

Social Studies

5.8C analyze the reasons for the location of cities in the United States, including capital cities, and explain their distribution, past and present

5.9A describe how and why people have adapted to and modified their environment in the United States, past and present, such as the use of human resources to meet basic needs

5.9B analyze the positive and negative consequences of human modification of the environment in the United States, past and present

5.13A compare how people in different parts of the United States earn a living, past and present

5.13B identify and explain how geographic factors have influenced the location of economic activities in the United States

Science

5.2D analyze and interpret information to construct reasonable explanations from direct (observable) and indirect (inferred) evidence

5.2F communicate valid conclusions in both written and verbal forms

5.6A explore the uses of energy, including mechanical, light, thermal, electrical, and sound energy

5.6B demonstrate that the flow of electricity in circuits requires a complete path through which an electric current can pass and can produce light, heat, and sound

Station 5-Financing of the Train

Grade 5 TEKS

Math

5.1A apply mathematics to problems arising in everyday life, society, and the workplace;

5.1F analyze mathematical relationships to connect and communicate mathematical ideas;

5.1G display, explain, and justify mathematical ideas and arguments using precise mathematical language in written or oral communication.

5.3A estimate to determine solutions to mathematical and real-world problems involving addition, subtraction, multiplication, or division

5.3B multiply with fluency a three-digit number by a two-digit number using the standard algorithm

5.10D develop a system for keeping and using financial records;

Social Studies

5.23B identify how scientific discoveries, technological innovations, and the rapid growth of technology industries have advanced the economic development of the United States, including the transcontinental railroad and the space program

5.25A use social studies terminology correctly

5.25C express ideas orally based on research and experiences

Station 6-Train Destinations Map

Grade 5 TEKS

Math

- 5.1A apply mathematics to problems arising in everyday life, society, and the workplace;
- 5.1F analyze mathematical relationships to connect and communicate mathematical ideas;
- 5.1G display, explain, and justify mathematical ideas and arguments using precise mathematical language in written or oral communication.
- 5.3A estimate to determine solutions to mathematical and real-world problems involving addition, subtraction, multiplication, or division
- 5.3B multiply with fluency a three-digit number by a two-digit number using the standard algorithm
- 5.3C solve with proficiency for quotients of up to a four-digit dividend by a two-digit divisor using strategies and the standard algorithm

Social Studies

- 5.6A apply geographic tools, including grid systems, legends, symbols, scales, and compass roses, to construct and interpret maps
- 5.6B translate geographic data into a variety of formats such as raw data to graphs and maps

Station 7-Early History of Plano

Grade 5 TEKS

Social Studies

- 5.1A explain when, where, and why groups of people explored, colonized, and settled in the United States, including the search for religious freedom and economic gain
- 5.8B explain the geographic factors that influence patterns of settlement and the distribution of population in the United States, past and present