

## **GRADE 3**

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

#### **Station 1-Train Car**

##### Grade 3 TEKS

##### *Social Studies*

- 3.2A identify reasons people have formed communities, including a need for security, religious freedom, law, and material well-being
- 3.2B identify ways in which people in the local community and other communities meet their needs for government, education, communication, transportation, and recreation; and
- 3.3B The student understands the concepts of time and chronology. The student is expected to create and interpret timelines
- 3.3C apply the terms year, decade, and century to describe historical times.
- 3.4D describe the effects of human processes such as building new homes, conservation, and pollution in shaping the landscape
- 3.12A give examples of community changes that result from individual or group decisions;
- 3.12B identify examples of actions individuals and groups can take to improve the community

#### **Station 2- Electricity Room**

##### Grade 3 TEKS

##### *Science*

- 3.6A explore different forms of energy, including mechanical, light, sound, and heat/thermal in everyday life
- 3.6C observe forces such as magnetism and gravity acting on objects

#### **Station 3-Large Rotary Converter**

##### Grade 3 TEKS

##### *Science*

- 3.6A explore different forms of energy, including mechanical, light, sound, and heat/thermal in everyday life

## **Station 4-Model railroad**

### Grade 3 TEKS

#### *Social Studies*

- 3.1A describe how individuals, events, and ideas have changed communities, past and present
- 3.2B identify reasons people have formed communities, including a need for security, religious freedom, law, and material well-being
- 3.3C use vocabulary related to chronology, including past, present, and future times
- 3.4D describe the effects of human processes such as building new homes, conservation, and pollution in shaping the landscape
- 3.12B identify examples of actions individuals and groups can take to improve the community
- 3.18A express ideas orally based on knowledge and experiences

#### *Science*

- 3.2F communicate valid conclusions supported by data in writing, by drawing pictures, and through verbal discussion
- 3.3A in all fields of science, analyze, evaluate, and critique scientific explanations by using empirical evidence, logical reasoning, and experimental and observational testing, including examining all sides of scientific evidence of those scientific explanations, so as to encourage critical thinking by the student;
- 3.6A explore different forms of energy, including mechanical, light, sound, and heat/thermal in everyday

## **Station 5-Financing of the Train**

### Grade 3 TEKS

#### *Math*

- 3.1A apply mathematics to problems arising in everyday life, society, and the workplace;
- 3.1F analyze mathematical relationships to connect and communicate mathematical ideas;
- 3.1G display, explain, and justify mathematical ideas and arguments using precise mathematical language in written or oral communication.
- 3.4A solve with fluency one-step and two-step problems involving addition and subtraction within 1,000 using strategies based on place value, properties of operations, and the relationship between addition and subtraction;
- 3.4G use strategies and algorithms, including the standard algorithm, to multiply a two-digit number by a one-digit number.
- 3.9F identify decisions involving income, spending, saving, credit, and charitable giving.

#### *Social Studies*

- 3.1A describe how individuals, events, and ideas have changed communities, past and present;
- 3.2B identify ways in which people in the local community and other communities meet their needs for government, education, communication, transportation, and recreation
- 3.3A use vocabulary related to chronology, including past, present, and future times
- 3.17F use appropriate mathematical skills to interpret social studies information such as maps and graphs
- 3.18A express ideas orally based on knowledge and experiences

## **Station 6-Train Destinations Map**

### Grade 3 TEKS

#### *Math*

- 3.1A apply mathematics to problems arising in everyday life, society, and the workplace;
- 3.1F analyze mathematical relationships to connect and communicate mathematical ideas;
- 3.1G display, explain, and justify mathematical ideas and arguments using precise mathematical language in written or oral communication.
- 3.4A solve with fluency one-step and two-step problems involving addition and subtraction within 1,000 using strategies based on place value, properties of operations, and the relationship between addition and subtraction;
- 3.4G use strategies and algorithms, including the standard algorithm, to multiply a two-digit number by a one-digit number.
- 3.9F identify decisions involving income, spending, saving, credit, and charitable giving.

#### *Social Studies*

- 3.5A use cardinal and intermediate directions to locate places on maps and globes such as the Rocky Mountains, the Mississippi River, and Austin, Texas, in relation to the local community
- 3.5B use a scale to determine the distance between places on maps and globes
- 3.5C identify and use the compass rose, grid system, and symbols to locate places on maps and globes
- 3.5D create and interpret maps of places and regions that contain map elements, including a title, compass rose, legend, scale, and grid system.

## **Station 7-Early History of Plano**

### Grade 3 TEKS

#### *Social Studies*

- 3.2A identify reasons people have formed communities, including a need for security, religious freedom, law, and material well-being
- 3.4B identify reasons people have formed communities, including a need for security, religious freedom, law, and material well-being