



## **CURRICULUM CONNECTIONS**

### ***Rocky Mountain Express Film***

#### **Michigan Social Studies Grade Level Content Expectations**

##### **Grade 2**

**H2.0.3** Use an example to describe the role of the individual in creating history.

##### **Grade 6**

- H1.2.5** Identify the role of the individual in history and the significance of one person's ideas.
- H1.4.1** Describe and use cultural institutions to study an era and a region (political, economic, religion/belief, science/technology, written language, education, family).
- G1.2.1** Locate the major landforms, rivers (Amazon, Mississippi, Missouri, Colorado), and climate regions of the Western Hemisphere.
- G1.3.3** Explain the different ways in which places are connected and how those connections demonstrate interdependence and accessibility.
- G2.1.1** Describe the landform features and the climate of the region (within the Western or Eastern Hemispheres) under study.
- G2.2.2** Explain that communities are affected positively or negatively by changes in technology (e.g., Canada with regard to mining, forestry, hydroelectric power generation, agriculture, snowmobiles, cell phones, air travel).
- G3.2.2** Identify ecosystems and explain why some are more attractive for humans to use than are others (e.g., mid-latitude forest in North America, high latitude of Peru, tropical forests in Honduras, fish or marine vegetation in coastal zones).
- G4.2.1** List and describe the advantages and disadvantages of different technologies used to move people, products, and ideas throughout the world (e.g., call centers in the Eastern Hemisphere that service the Western Hemisphere; the United States and Canada as hubs for the Internet; transport of people and perishable products; and the spread of individuals' ideas as voice and image messages on electronic networks such as the Internet).
- G4.3.1** Identify places in the Western Hemisphere that have been modified to be suitable for settlement by describing the

modifications that were necessary (e.g., Vancouver in Canada; irrigated agriculture; or clearing of forests for farmland).

**G5.1.2** Describe how variations in technology affect human modifications of the landscape (e.g., clearing forests for agricultural land in South America, fishing in the Grand Banks of the Atlantic, expansion of cities in South America, hydroelectric developments in Canada, Brazil and Chile, and mining the Kentucky and West Virginia).

## **Grade 7**

**G1.3.1** Use the fundamental themes of geography (location, place, human environment interaction, movement, region) to describe regions or places on earth.

**G1.3.3** Explain the different ways in which places are connected and how those connections demonstrate interdependence and accessibility.

**G2.1.1** Describe the landform features and the climate of the region (within the Western or Eastern Hemispheres) under study.

**G2.2.2** Explain that communities are affected positively or negatively by changes in technology (e.g., increased manufacturing resulting in rural to urban migration in China, increased farming of fish, hydroelectric power generation at Three Gorges, pollution resulting from increased manufacturing and automobiles).

**G3.2.2** Identify ecosystems of a continent and explain why some provide greater opportunities (fertile soil, precipitation) for humans to use than do other ecosystems and how that changes with technology (e.g., China's humid east and arid west and the effects of irrigation technology).

**G4.2.1** List and describe the advantages and disadvantages of different technologies used to move people, products, and ideas throughout the world (e.g., opportunities for employment, entrepreneurial and educational opportunities using the Internet; the effects of technology on reducing the time necessary for communications and travel; the uses and effects of wireless technology in developing countries; and the spread of group and individual's ideas as voice and image messages on electronic networks such as the Internet).

**G5.1.2** Describe how variations in technology affect human modifications of the landscape (e.g., clearing of agricultural land in Southeast Asia, fish factories in North Atlantic and Western Pacific Ocean, and damming rivers to meet needs for electricity).

**E2.3.1** Explain how national governments make decisions that impact both that country and other countries that use its resources (e.g., sanctions and tariffs enacted by a national government to prevent imports, most favored trade agreements, the impact China is having on the global economy and the U.S. economy in particular).

## Grades 9-12

### World History & Geography

- 7.1.4 Global Technology - Describe significant technological innovations and scientific breakthroughs in transportation, communication, medicine, and warfare and analyze how they both benefitted and imperiled humanity. (*National Geography Standard 11, p. 206*)

## **Educator Viewing Guide to *Rocky Mountain Express* Film**

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- H1.4.1 Describe and use cultural institutions to study an era and a region (political, economic, religion/belief, science/technology, written language, education, family).
- H1.4.2 Describe and use themes of history to study patterns of change and continuity.
- H1.4.3 Use historical perspective to analyze global issues faced by humans long ago and today.
- G1.2.1 Locate the major landforms, rivers (Amazon, Mississippi, Missouri, Colorado), and climate regions of the Western Hemisphere.
- G1.2.6 Apply the skills of geographic inquiry (asking geographic questions, acquiring geographic information, organizing geographic information, analyzing geographic information, and answering geographic questions) to analyze a problem or issue of importance to a region of the Western Hemisphere.
- G1.3.1 Use the fundamental themes of geography (location, place, human environment interaction, movement, region) to describe regions or places on earth.
- G1.3.2 Explain the locations and distributions of physical and human characteristics of Earth by using knowledge of spatial patterns.
- G1.3.3 Explain the different ways in which places are connected and how those connections demonstrate interdependence and accessibility.
- G2.1.1 Describe the landform features and the climate of the region (within the Western or Eastern Hemispheres) under study.
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### **Michigan Mathematics Grade Level Content Expectations**

- A.PA.07.06 Calculate the slope from the graph of a linear function as the ratio of "rise/run" for a pair of points on the graph, and express the answer as a fraction and a decimal; understand that linear functions have slope that is a constant rate of change.