

Minnesota K-12 Academic Standards

Below are the Minnesota K-12 Academic Standards that are supported by the Forestville Communities Change Over Time and Mystery Cave field trip in Social Studies and Science.

Historic Forestville - Social Studies

4th Grade

4.2.1.1.1 : People make informed economic choices by identifying their goals, interpreting and applying data, considering the short- and long-run costs and benefits of alternative choices and revising their goals based on their analysis.

- Apply a reasoned decision-making process to make a choice.

4.2.4.5.1 : Individuals, businesses and governments interact and exchange goods, services and resources in different ways and for different reasons; interactions between buyers and sellers in a market determines the price and quantity exchanged of a good, service or resource.

- Describe a market as any place or manner in which buyers and sellers interact to make exchanges; describe prices as payments of money for items exchanged in markets.

4.3.1.1.1 People use geographic representations and geospatial technologies to acquire, process and report information within a spatial context.

- Create and use various kinds of maps, including overlaying thematic maps, of places in the United States, and also Canada or Mexico; incorporate the “TODALS” map basics, as well as points, lines and colored areas to display spatial information.

4.3.2.3.1 Places have physical characteristics (such as climate, topography, vegetation) and human characteristics (such as culture, population, political and economic systems).

- Locate and identify the physical and human characteristics of places in the United States, and also Canada or Mexico.

4.3.3.5.1 : The Characteristics, distribution and migration of human populations on the earth’s surface influence human systems (cultural, economic and political systems).

- Use data to analyze and explain the changing distribution of population in the United States and Canada over the last century.

4.3.3.6.1 Geographic factors influence the distribution, functions, growth and patterns of cities and human settlements.

- Explain how geographic factors affect population distribution and the growth of cities in the United States and Canada.

4.4.1.2.1 Historical inquiry is a process in which multiple sources and different kinds of historical evidence are analyzed to draw conclusions about how and why things happened in the past.

- Use maps to compare and contrast a particular region in the United States, and also

Canada or Mexico, at different points in time.

4.4.2.4.1 : The differences and similarities of cultures around the world are attributable to their diverse origins and histories, and interactions with other cultures throughout time.

- Identify and locate on a map or globe the origins of peoples in the local community and state; create a timeline of when different groups arrived; describe why and how they came.

5th Grade

5.2.1.1.1 : People make informed economic choices by identifying their goals, interpreting and applying data, considering the short - and long-run costs and benefits of alternative choices and revising their goals based on their analysis.

- Apply a decision-making process to identify an alternative choice that could have been made for a historical event; explain the probable impact of that choice.

5.2.2.2.1 : Personal and financial goals can be achieved by applying economic concepts and principles to personal financial planning, budgeting, spending, saving, investing, borrowing and insuring decisions.

- Describe various uses of income and discuss advantages and disadvantages of each.

5.3.1.1.1 People use geographic representations and geospatial technologies to acquire, process and report information within a spatial context.

- Create and use various kinds of maps, including overlaying thematic maps, of places in Minnesota; incorporate the “TODALSS” map basics, as well as points, lines and colored areas to display spatial information.

5.3.4.10.1 The meaning, use, distribution and importance of resources changes over time.

- Explain how geographic factors affected land use in the North American colonies.

5.4.1.2.2 Historical inquiry is a process in which multiple sources and different kinds of historical evidence are analyzed to draw conclusions about how and why things happened in the past.

- Explain a historical event from multiple perspectives.

5.4.4.15.1 North America was populated by indigenous nations that had developed a wide range of social structures, political systems and economic activities, and whose expansive trade networks extended across the continent. (Before European Contact)

- Describe complex urban societies that existed in Mesoamerican and North America before 1500. (Before European Contact)

6th Grade

6.1.5.10.1 The United States establishes and maintains relationships and interacts with Indigenous nations and other sovereign nations, and plays a key role in world affairs.

- Explain the concept of sovereignty and how treaty rights are exercised by the Anishnaabe and Dakota today.

6.2.4.5.1 Individuals, businesses and governments interact and exchange goods, services and resources in different ways for different reasons; interactions between buyers and sellers in a market determines the price and quantity exchanged of a good, service or resource.

- Describe the movement of goods and services, resources and money through markets in a market-based economy.

6.3.1.1.1 People use geographic representations and geospatial technologies to acquire, process and report information within a spatial context.

- Create and use various kinds of maps, including overlaying thematic maps, of places in Minnesota; incorporate the “TODALSS” map basics, as well as points, lines and colored areas to display spatial information.

6.3.3.6.1 Geographic factors influence the distribution, functions, growth and patterns of cities and other human settlements.

- Locate, identify and describe major physical features in Minnesota; explain how physical features and the location of resources affect settlement patterns and the growth of cities in different parts of Minnesota.

6.3.4.10.1 The meaning, use, distribution and importance of resources changes over time.

- Describe how land was used during different time periods in Minnesota- history; explain how and why land use has changed over time

6.4.4.18.2 Economic expansion and the conquest of Indigenous and Mexican territory spurred the agricultural and industrial growth of the United States; led to increasing regional, economic and ethnic divisions; and inspired multiple reform movements.

- Describe how and why the United States and the Dakota and Anishinaabe negotiated treaties; describe the consequences of treaties on the Anishnaabe, Dakota and settlers in the upper Mississippi River region.

7th Grade

7.2.4.5.1 Individuals, businesses and governments interact and exchange goods, services and resources in different ways and for different reasons; interactions between buyers and sellers in a market determines the price and quantity exchanged of a good, service or resource.

- Describe how the interaction of buyers (through demand) and sellers (through supply) determines price in a market.

7.2.4.6.1 Profit provides an incentive for individuals and businesses; different business organizations and market structures have an effect on the profit, price and production of goods and services.

- Describe profit as an incentive for an individual to take the risks associated with creating and producing new goods or starting a business in any existing market; give examples of how the pursuit of profit can lead to undesirable, as well as, desirable, effects.

7.4.2.4.1 The differences and similarities of cultures around the world are attributable to their diverse origins and histories, and interactions with other cultures throughout time.

- Compare and contrast the distribution and political status of indigenous populations in the United States and Canada; describe how their status has evolved throughout the

19th and 20th centuries.

7.4.4.18.1 Economic expansion and the conquest of Indigenous and Mexican territory spurred the agricultural and industrial growth of the United States; led to increasing regional, economic and ethnic divisions; and inspired multiple reform movements.

- Describe the processes that led to the territorial expansion of the United States, including the Louisiana Purchase and other land purchases, wars and treaties with foreign and indigenous nations, and annexation.

Mystery Cave - Science

4E.3.2.1.1 Identify evidence from patterns in rock formations and fossils in rock layers to support an explanation for changes in a landscape over time.

6E.1.1.1.2 Ask questions to examine an interpretation about the relative ages of different rock layers within a sequence of several rocks.

6E.1.1.1.3 Ask questions to clarify evidence of the factors that have caused a rise in global temperatures over the past century.

7L.2.1.1.2 Analyze and interpret data for patterns in the fossil record that document the existence, diversity, extinction, and change in life forms throughout the history of life on Earth.

9E.1.2.1.1 Plan and conduct an investigation of the properties of water and its effects on Earth materials and surface processes. (post-visit)

9E.4.2.1.1 Compare, integrate, and evaluate sources of information in order to determine how specific factors, including human activity, impact the groundwater system of a region. (post-visit)