

MA Curriculum Frameworks

(The standards listed are those *best* aligned to Worcester Historical Museum educational programs. In many cases similar items with appropriate grade adaptations are listed in actual MA Frameworks)

Massachusetts History and Social Science Curriculum Frameworks

(H-History, G-Geography, C-Civics, E-Economics)

- K.8** Give examples of different kinds of jobs that people do, including the work they do at home. (E)
- 1.9** Explain that Americans have a variety of different religious, community and family celebrations and customs, and describe celebrations or customs held by members of the class and their families. (H)
- 2.8** With the help of the school librarian, give examples of traditions or customs from other countries that can be found in America today. (G.C.)
- 3.7** After reading the biography of a person from Massachusetts in one of the following categories, summarize the person's life and achievements. (H.C.)
Categories: science and technology, the arts, business, education, journalism, health, political leadership)
- 3.8** On a map of Massachusetts, locate the class's home town or city and its local and geographic features and landmarks. (H.C)
- 3.11** Identify when the students' own town or city was founded and describe the different groups of people who have settled in the community since its founding (H.G.)
- 3.12** Explain how objects or artifacts of everyday life in the past tell us how ordinary people lived and how everyday life has changed. (H.G.E.)
- 3.13** Give examples of goods and services provided by their local businesses and industries. (E)
- 4.15** Describe the diverse nature of the American People by identifying the distinctive contributions to American culture of at least 3 indigenous people in different areas of the country (H.G.E.)
- 5.11** Explain the importance of maritime commerce in the development of the economy of colonial Massachusetts, (fishing and shipbuilding, transatlantic trade, the port cities of New Bedford, Newburyport, Gloucester, Salem and Boston) (H.E.)
- 5.33** Explain the importance of the China trade and the whaling industry to the 19th century New England and give examples of imports from China

Massachusetts Science and Technology Curriculum Frameworks

Materials and Tools

- 1.2** Identify and explain the appropriate materials and tools to construct a given prototype safely.

Engineering and Design

- 2.1** Identify and explain the steps of the engineering design process, (i.e. identify the need or problem, research the problem, develop possible solutions, select the best possible solutions, construct a prototype, test and evaluate, communicate the solutions and redesign)

Communications

- 3.3** Identify and compare communications technologies and systems (i.e. audio, visual, printed and mass communication).

Manufacturing Technologies

- 4.1** Describe and explain the manufacturing systems of custom and mass production.
- 4.2** Explain and give examples of the impacts of interchangeable parts, components of mass produced products and the use of automation. (e.g. robotics)
- 4.3** Describe a manufacturing organization (e.g. corporate structure, research and development, production, marketing, quality control, distribution).
- 4.4** Explain basic processes in manufacturing systems (e.g. quality control and safety)

Reading and Language Arts

*(Gr. 3 Frameworks Listed-similar goals at other grade levels with age and skill adaptations)

Reading Standards for Informational Text

Key Ideas and Details

MA 3 Describe the relationship between a series of historical events, scientific ideas or concepts, or steps in technical procedures in a text, using language that pertains to time, sequence and cause/effect.

Integration of Knowledge and Ideas

MA 7 Use information gained from illustrations (e.g. maps, photographs, and the words in a text to demonstrate understanding of the text (e.g. when why, and how events occur).

Writing Standards

Text Types and Purposes

MA 2 Write informative/explanatory texts to examine a topic and convey ideas and information clearly.

Research to Build and Present Knowledge

MA 7 Conduct short research projects that build knowledge about a topic

MA 8 Recall information from experiences or gather information from print and digital sources; take brief notes on sources and sort evidence into provided categories.

Speaking and Listening Standards

Comprehension and Collaboration

MA 3 Ask and answer questions about information from a speaker, offering appropriate elaboration and detail.

Mathematics

Operations and Algebraic Thinking

3.8 Solve two-step word problems using the four operations.

4.3 Solve multistep word problems

Measurement and Data

1.3 Tell and write time in hours and half-hours using analog and digital clocks

1.4 Organize, represent and interpret data with up to three categories

1.5 Identify the values of all U.S. coins and know their comparative values.

2.1 Measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, meter sticks and measuring tapes

3.1 Tell and write time to the nearest minute and measure time intervals in minutes. Solve word problems involving addition and subtraction of time

3.3 Draw a scaled picture graph and a scaled bar graph to represent a data set with several categories

4.2 Use the four operations to solve word problems involving distances, intervals of time.

Massachusetts Arts Curriculum Frameworks

Visual Arts

Standard 1: Methods, Materials and Techniques

1.2 Students will use electronic technology for reference and for creating original work.

Standard 4: Drafting, Revising and Exhibiting

4.5 Students will demonstrate the ability to describe preliminary concepts verbally to visualize concepts in clear schematic layouts: and organize complete projects.

Acting

Standard 1: Acting

1.3 Students will pretend to be someone else, creating a character based on stories or through improvisation, using properties (props), costumes and imagery.

Standard 2: Reading and Writing Scripts

2.5 Students will plan, improvise, and write or record simple dramas that include the “five w’s: who, what, where, when and why.