

Ohio Indicators dealing with maps

English Language Arts - Reading

Ohio Standard: **Reading Applications: Informational, Technical and Persuasive Text**

Grade Indicator

- 0 4 Identify and discuss simple maps, charts and graphs.
- 1 5 Identify and discuss simple diagrams, charts, graphs and maps as characteristics of nonfiction.
- 2 5 Identify information in diagrams, charts, graphs and maps.
- 3 4 Draw conclusions from information in maps, charts, graphs and diagrams.
- 4 5 Draw conclusions from information in maps, charts, graphs and diagrams.
- 5 5 Analyze information found in maps, charts, tables, graphs and diagrams.
- 6 5 Analyze information found in maps, charts, tables, graphs diagrams and cutaways.
- 7 5 Analyze information found in maps, charts, tables, graphs, diagrams, cutaways and overlays.
- 8 4 Analyze information found in maps, charts, tables, graphs, diagrams, cutaways and overlays.
- 9 3 Analyze information found in maps, charts, tables, graphs, diagrams, cutaways and overlays.
- 10 3 Evaluate the effectiveness of information found in maps, charts, tables, graphs, diagrams, cutaways and overlays.

Foreign Language

Ohio Standard: **Communication: Communicate in languages other than English.**

Grade Indicator

- 4 5 Follow a series of requests or instructions (e.g., make a sandwich, follow a treasure hunt map).

Ohio Standard: **Connections: Connect with other disciplines and acquire information.**

Grade Indicator

- 2 2 Locate target language country/countries on the globe or world map, using a visual or oral cue.
- 3 2 Name and locate on a map the country/countries where the target language is used.
- 5 2 Create, label and describe a map (e.g., physical, political, economic) of selected target language countries or communities.
- 6 2 Identify locations using map skills (e.g., longitude, latitude).
- 7 4 Create and present a project about a target culture community that incorporates interdisciplinary content (e.g., graphics, artwork, maps, points of interest, authentic music).

Library

Ohio Standard: **Information Literacy**

Grade Indicator

- 4 3 Identify ways information can be presented (e.g., text, visual information on a map, information displayed in pictures or as graphics).
- 4 5 Use the following reference sources to find information: Dictionary (e.g., keywords, entry, parts of speech, definition); Encyclopedia (e.g., keywords, entry, charts and graphs); Maps (e.g., locate cities, states, countries).

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Ohio Standard: **Technology Literacy**

Grade Indicator

- 1 List types of information available on the Internet (e.g., school Web site, local information, animals, maps).

Mathematics

Ohio Standard: **Geometry and Spatial Sense**

Grade Indicator

- 3 Find and name locations on a labeled grid or coordinate system; e.g., a map or graph.

K-12 Science

Ohio Standard: **Earth and Space Sciences**

Grade Indicator

- 4 5 Record local weather information on a calendar or map and describe changes over a period of time (e.g., barometric pressure, temperature, precipitation symbols and cloud conditions).
- 7 6 Determine how weather observations and measurements are combined to produce weather maps and that data for a specific location at one point in time can be displayed in a station model.
- 7 7 Read a weather map to interpret local, regional and national weather.
- 8 11 Use models to analyze the size and shape of Earth, its surface and its interior (e.g., globes, topographic maps, satellite images).
- 11 10 Interpret weather maps and their symbols to predict changing weather conditions worldwide (e.g., monsoons, hurricanes and cyclones).

Ohio Standard: **Scientific Inquiry**

Grade Indicator

- 8 3 Read, construct and interpret data in various forms produced by self and others in both written and oral form (e.g., tables, charts, maps, graphs, diagrams and symbols).
- 9 5 Develop oral and written presentations using clear language, accurate data, appropriate graphs, tables, maps and available technology.
- 10 2 Present scientific findings using clear language, accurate data, appropriate graphs, tables, maps and available technology.

K-12 Social Studies

Ohio Standard: **History**

Grade Indicator

- 2 4 Use historical artifacts, photographs, biographies, maps, diaries and folklore to answer questions about daily life in the past.

Ohio Standard: **Geography**

Grade Indicator

- 0 1 Identify and correctly use terms related to location, direction and distance including: Up/Down; Over/Under; Here/There; Front/Back; Behind/In front of.
- 0 2 Recite home address.
- 0 3 Make models and maps representing real places including the classroom.
- 0 4 Distinguish between land and water on maps and globes.
- 1 1 Identify and correctly use terms related to location, direction and distance including: Left/Right; Near/Far.
- 1 2 Construct simple maps and models using symbols to represent familiar places (e.g., classroom, school or neighborhood).
- 1 3 Identify and use symbols to locate places of significance on maps and globes.

Ohio Indicators dealing with maps

- 1 4 Locate the local community, state and the United States on maps or globes.
- 2 1 Read and interpret a variety of maps.
- 2 2 Construct a map that includes a map title and key that explains all symbols that are used.
- 2 3 Name and locate the continents and oceans.
- 2 4 Describe and locate landforms (plateaus, islands, hills, mountains, valleys) and bodies of water (creeks, ponds, lakes, oceans) in photographs, maps and 3-D models.
- 3 1 Use political maps, physical maps and aerial photographs to ask and answer questions about the local community.
- 3 2 Use a compass rose and cardinal directions to describe the relative location of places.
- 3 3 Read and interpret maps by using the map title, map key, direction indicator and symbols to answer questions about the local community.
- 3 4 Use a number/letter grid system to locate physical and human features on a map.
- 3 5 Identify the location of the equator, Arctic Circle, Antarctic Circle, North Pole, South Pole, Prime Meridian, the tropics and the hemispheres on maps and globes.
- 4 1 Use a linear scale to measure the distance between places on a map.
- 4 2 Use cardinal and intermediate directions to describe the relative location of places.
- 4 3 Describe the location of Ohio relative to other states and countries.
- 4 4 Use maps to identify the location of major physical and human features of Ohio including: Lake Erie; Rivers; Plains; The Appalachian Plateau; Bordering states; The capital city; Other major cities.
- 4 10 Use elevation, natural resource and road maps to answer questions about patterns of settlement, economic activity and movement.
- 5 1 Use coordinates of latitude and longitude to determine the absolute location of points in North America.
- 5 2 Use maps to identify the location of: The three largest countries of North America; The 50 states of the United States; The Rocky and Appalachian mountain systems; The Mississippi, Rio Grande and St. Lawrence rivers; The Great Lakes.
- 5 5 Explain, by identifying patterns on thematic maps, how physical and human characteristics can be used to define regions in North America.
- 5 6 Use distribution maps to describe the patterns of renewable, nonrenewable and flow resources in North America including: Forests; Fertile soil; Oil; Coal; Running water.
- 5 10 Use or construct maps of colonization and exploration to explain European influence in North America.
- 6 1 Place countries, cities, deserts, mountain ranges and bodies of water on the continents on which they are located.
- 6 2 Use coordinates of latitude and longitude to locate points on a world map.
- 6 4 Identify and describe a variety of physical and human regions by analyzing maps, charts and graphs that show patterns of characteristics that define regions.
- 7 1 For each of the societies studied, identify the location of significant physical and human characteristics on a map of the relevant region.
- 7 2 On a map, identify places related to the historical events being studied and explain their significance.
- 7 4 Use physical and historical maps to analyze the reasons that human features are located in particular places.
- 9 4 Explain the causes and consequences of urbanization including economic development, population growth and environmental change.

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- 10 2 Describe how changes in technology, transportation and communication affect the location and patterns of economic activities and use of productive resources.

Ohio Standard: **Social Studies Skills and Methods**

Grade Indicator

- 3 1 Obtain information about local issues from a variety of sources including: Maps; Photos; Oral histories; Newspapers; Letters; Artifacts; Documents.

Technology

Ohio Standard: **Standard 4: Technology and Communication Applications**

Grade Indicator

- 2 1 Use graphic organizers to plan a presentation (e.g., graphic organizing, charting or mapping software).

Ohio Standard: **Standard 5: Technology and Information Literacy**

Grade Indicator

- 1 1 List types of information available on the Internet (e.g., school Web site, local information, animals, maps).
- 4 3 Identify ways information can be presented (e.g., text, visual information on a map, information displayed in pictures or as graphics).