



### Map and Globe Skills

Developed by teachers and geography specialists, **Map and Globe Skills** provides the strategies, skills and practice your students need to develop a strong understanding of basic mapping concepts. The program teaches the major concepts in grade 3-6 level mapping geography. Helpful clues and examples, along with exciting audio-visual content, ensure that students of all learning styles can use the software independently. **Map and Globe Skills** is an effective and engaging way to improve student performance with the main concepts of map and globe studies.

### Targeted Skills

- Maps and Globes, Map Symbols
- Types of Maps
- Co-Ordinates
- Cardinal Directions
- Intermediate Directions
- Latitude & Longitude
- Scales
- Forms of Land and Water

### Teacher Dashboard

The Teacher Dashboard tracks student progress throughout each program and records the percentage score for every activity completed. This feature provides an overview of how well a student is progressing and allows the teacher to identify strengths and weaknesses.

- Records students' results automatically as they work.
- Prints reports quickly and easily for sharing with parents and staff.
- Provides summary reports by subject or detailed reports by activity.
- Allows teachers to print reports for individual students or an entire class.
- Stores student marks in one central location for all programs.

## Program Outline

The program is broken down into 10 main units, which can all be accessed from the main menu. On the following pages, each of these different units are broken down. The main menu units are:

1. Maps and Globes
2. Types of Maps
3. Co-ordinates
4. Cardinal Directions
5. Intermediate Directions
6. Latitude
7. Longitude
8. Latitude & Longitude
9. Scales
10. Forms of Land and Water

## 1 - Maps and Globes

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
<b>Vocabulary Questions</b>	Various questions regarding unit vocabulary.	Understand unit vocabulary: globe, map, atlas, cartography, scale, key, compass.
<b>Map Elements</b>	Click on the appropriate map element on the map.	
<b>Map Symbols</b>	From a group of symbols, click on the map symbol that you hear.	Understand common representational symbols on maps.
<b>Map Symbols II</b>		
<b>Fruit Island</b>	Various questions regarding basic interpretations of map and map symbols.	Apply basic knowledge of map symbols to the interpretation of maps.
<b>Around the Neighborhood</b>		
<b>Riddles</b>	Various riddles regarding unit vocabulary.	Understand unit vocabulary: globe, map, atlas, cartography, scale, key, compass.

## 2 - Types of Maps

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
<b>What Type of Map?</b>	What type of map do you see?	Understand different types of maps and how to identify them.
<b>Political Map of Canada I</b>	Various questions regarding information that can be obtained from a political map.	Interpret data from a political map.
<b>Political Map of Canada II</b>		
<b>Topographical Map I</b>	Various questions regarding information that can be obtained from a topographical map.	Interpret data from a topographical map.
<b>Topographical Map II</b>		
<b>Satellite Photo</b>	Various questions regarding information that can be obtained from a satellite photo.	Interpret data from a satellite photo.
<b>Population Density Map</b>	Various questions regarding information that can be obtained from a population density map.	Interpret data from a population density map.
<b>Income Map</b>	Various questions regarding information that can be obtained from an income map.	Interpret data from an income map.
<b>Climate Map</b>	Various questions regarding information that can be obtained from a climate map.	Interpret data from a climate map.
<b>Road Map</b>	Various questions regarding information that can be obtained from a road map.	Interpret data from a road map.
<b>Historical Map</b>	Various questions regarding information that can be obtained from a historical map.	Interpret data from a historical map.
<b>Weather Map</b>	Various questions regarding information that can be obtained from a weather map.	Interpret data from a weather map.
<b>Atlas of the United States</b>	Various questions regarding information that can be obtained by cross-referencing a series of different types of maps.	Cross-reference maps to obtain more complex results.

## 3 - Co-ordinates

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
<b>Color Grid</b>	Locate differently colored co-ordinates in a grid.	<p>Understand basic grid co-ordinate systems when used on maps.</p> <p>Apply basic grid geometry to locate and compare positions between items on maps.</p>
<b>Animal Grid</b>	Locate animals from co-ordinates in a grid.	
<b>School Grid</b>	Locate school supplies from co-ordinates in a grid.	
<b>Around the Neighborhood</b>	Answer various questions about the location of different items on a given map using grid co-ordinates.	
<b>Map Grid</b>		
<b>Treasure Map</b>		

## 4 - Cardinal Directions

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
<b>Missing Directions</b>	Which direction is missing from the compass?	<p>Understand the concept of cardinal directions.</p> <p>Apply the use of cardinal directions to locate and compare positions between items on maps.</p>
<b>Around the American South</b>	From a given map, compare the positions of two given items.	
<b>Ships at Sea</b>		
<b>Through the Maze</b>	Help a man find his way through a maze by moving him in the proper cardinal direction.	

## 5 - Intermediate Directions

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
<b>Intermediate Direction Questions</b>	Various questions on intermediate directions.	<p>Understand the concept of intermediate directions.</p> <p>Apply the use of intermediate directions to locate and compare positions between items on maps.</p>
<b>Missing Directions</b>	Which direction is missing from the compass?	
<b>Australia Directions</b>	From a given map, compare the positions of two given items.	
<b>Classroom Directions</b>		
<b>Ships at Sea</b>		

## 6 - Latitude

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
<b>Latitude Facts</b>	Various questions on the meaning of latitude and important lines of latitude.	<p>Understand the concept of latitude.</p> <p>Apply the use of latitude to locate and compare positions between items on maps.</p>
<b>Enter the Latitude</b>	From a generic latitude grid, enter the latitude of a highlighted point.	
<b>Which Line?</b>	Which major line of latitude is highlighted on a given world map?	
<b>Latitude Cities I</b>	From a given map, identify the city which lies at a certain line of latitude.	
<b>Latitude Cities II</b>		
<b>Which Direction?</b>	If you moved from one measure of latitude to another, which direction did you move in?	

## 7 - Longitude

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
<b>Longitude Facts</b>	Various questions on the meaning of longitude and important lines of longitude.	<p>Understand the concept of longitude.</p> <p>Apply the use of longitude to locate and compare positions between items on maps.</p>
<b>Enter the Longitude</b>	From a generic longitude grid, enter the longitude of a highlighted point.	
<b>Longitude Cities I</b>	From a given map, identify the city which lies at a certain line of longitude.	
<b>Longitude Cities II</b>		
<b>Which Direction?</b>	If you moved from one measure of longitude to another, which direction did you move in?	

## 8 - Latitude & Longitude

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
<b>Latitude &amp; Longitude Facts</b>	Various questions on the meaning of latitude and longitude and important lines of latitude and longitude.	<p>Understand the concept of latitude and longitude applied together.</p> <p>Apply the use of latitude and longitude together to locate and compare positions between items on maps.</p>
<b>Enter the Latitude &amp; Longitude I</b>	From a generic latitude and longitude grid, enter the latitude and longitude of a highlighted point.	
<b>Enter the Latitude &amp; Longitude II</b>		
<b>Enter the Latitude &amp; Longitude III</b>		
<b>Find the Latitude &amp; Longitude</b>	Click on a given latitude & longitude on a generic map.	
<b>Find the City</b>	From a given map, click on the city which lies at a certain intersection of latitude and longitude.	
<b>Which Direction?</b>	If you moved from one measure of latitude and longitude to another, which directions did you move in?	

## 9 - Scales

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
<b>Bigger and Smaller Scales</b>	Which map has a bigger or smaller scale?	<p>Understand the concept of map scales.</p> <p>Apply the use map scales to identify, estimate and compare distances between items on maps.</p>
<b>Read the Scale I</b>	Use a scale and a generic map to identify how far apart two points are in the real world.	
<b>Read the Scale II</b>		
<b>Around Elm View County</b>	Use a scale and a generic map to identify how far apart two points are in the real world.	
<b>Estimate the Distance</b>	Use a scale and a world map to estimate how far apart two cities are in the real world.	

## 10 - Forms of Land and Water

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
<b>Pick the Land Form I</b>	Click on the land form which is described in a given definition.	Understand definitions of basic land forms: archipelago, canyon, cape, desert, forest, hill, island, isthmus, mountain, pass, peak, peninsula, plain, plateau, range, valley.
<b>Pick the Land Form II</b>		
<b>Match the Land Form I</b>	Match the land forms with their definitions.	
<b>Match the Land Form II</b>		
<b>Land Form Photos</b>	Click on the name of the land form you see in the photo.	
<b>Pick the Water Form I</b>	Click on the water form which is described in a given definition.	
<b>Pick the Water Form II</b>		
<b>Match the Water Form I</b>	Match the water forms with their definitions.	
<b>Match the Water Form II</b>		
<b>Water Form Photos</b>	Click on the name of the water form you see in the photo.	
<b>Forms on Maps</b>	Click on the forms of land and water that you hear on a given map.	Locate both forms of land and water on a map.