

## Activity: Map, Key and Compass

**Grade Level:** Grade 1

**Major Emphasis:** Map and Compass Skills

**Major Curriculum Area:** Social Studies

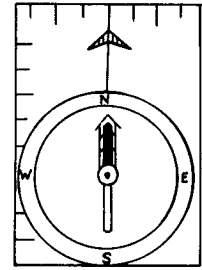
### Related Curriculum Areas:

Refer to Outdoor Education Curriculum Matrix K-2

Mathematics

Physical Education

Language Arts



### Program Indicator:

The student will develop the concept that a map is a simplified representation of a part of the earth.

### Student Outcomes: The student will:

1. identify cardinal points on a compass.
2. use a compass to locate cardinal directions on a map.
3. identify map symbols and the objects they represent.
4. use a map key with symbols to locate objects on a map.

### Readiness:

1. Complete the first grade Social Studies Unit, “Families Around the World”- Map Section.
2. Introduce vocabulary:

compass	East	key
North	West	symbol
South	map	direction
3. Introduce cardinal directions, North, South, East, West, and orient the map with the compass. A compass skill sheet is included in this guidebook. *Compasses may be borrowed for use in the classroom.*
4. Teach students to locate cardinal points using a compass.
5. Introduce a map key using simple symbols for identification.

### Materials:

compasses	compass direction sheet
demonstration compass	cut and paste symbols sheet
map symbols (cards)	student maps
large group map (with key)	scissors
cardinal point cards	paste

**Procedures: (DL2)**

1. Review the use of compass and cardinal points using demonstration compass. *A Compass Skill Sheet is available in this guidebook.*
2. Using the four point compass sheet, compass data sheet and compass, have students follow cardinal directions and locate various landmarks. At each landmark there will be a symbol. Have someone draw the symbol found at the landmark on the compass direction sheet.
3. Follow the same procedure until all symbols are located.
4. Have the students match the symbol cards with the appropriate word on the key.
5. Using a compass, orient the large group map to north and place the cardinal point cards on the appropriate sides.
6. Have the students locate the landmarks on the large group map. Place the map symbol cards on the appropriate landmark.

**Alternate Activity: Indoor Map and Compass****Materials:**

compasses                  indoor map                  compass cards

**Procedures:**

1. Have students stand in the starting position as indicated on the first card.
2. Have students orient their compasses to the direction and walk the number of steps as indicated on each card. Leave one student at each location.
3. Ask the students to determine what shape they have made after following the directions at the end of the last card.
4. Continue the same procedure with the next set of cards.

**Summary:**

1. The student will locate cardinal points on the student map using a compass.
2. The students will complete the key by gluing the cut and paste symbols next to the appropriate word.
3. The student will complete a student map using a set of cut and paste symbols by gluing the symbols on the appropriate locations.

**Follow-Up: (DL3&4)**

1. Develop a similar mapping activity that can be used outdoors at your school.
2. Make a map of your classroom and make symbols for desk, book carts, chalkboards, etc.
3. Participate in the Map & Symbol Quiz. Refer to Smissen & Goering, p. 80.
4. Participate in the Compass Relay. Refer to Smissen & Goering, p. 80.

5. Participate in the Compass Treasure Hunt. Refer to Smissen & Goering, p. 80.
6. Write a story about being lost. Tell how you used your compass to find your way home.

**Extension Activity:**

1. Read a story about early explorers who made maps.
2. Study the North and South Poles= most extreme north and south points, conditions, plants and animals.
3. Discuss the sun rising in the east and setting in the west (finding north and south).

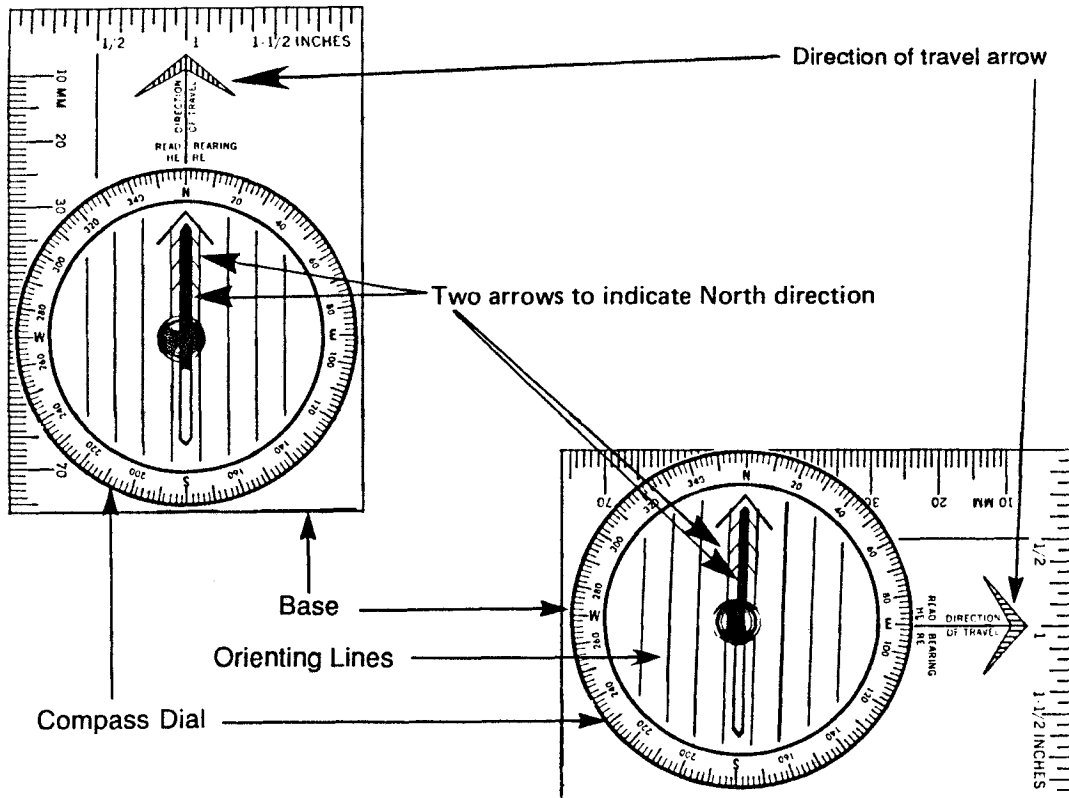
**Teacher Resources:**

Books:


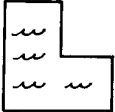

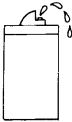
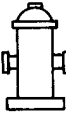
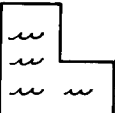
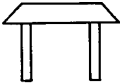
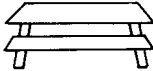
- < \*A Leader=s Guide to Nature Oriented Activities, Smissen & Goering, 796 VAM.
- < \*Be Expert with Map and Compass, Kjellstrom, 7965 KJE.

**Supplemental Materials:**

- < \*First Grade Social Studies Curriculum, p. 4.
- < \*FS Kit - The Magic Map: Adventures in Map Skills,-Kit 912 MAG.



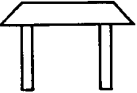
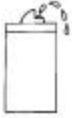

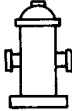
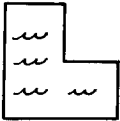

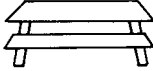

**Map and Compass Activity at Arlington Echo  
Four Point Course A  
Teacher Copy**

Location	Go	To	Symbol
Picnic Tables	E	Pumphouse	
Pumphouse	S	Pool	
Pool	N	Cabin	
Cabin	W	Fountain	
Fountain	E	Fire Hydrant	
Fire Hydrant	S	Pool	
Pool	W	Pavilion	
Pavilion	N	Picnic Tables	

**Map and Compass Activity at Arlington Echo  
Four Point Course A  
Student Copy**

Location	Go	To	Symbol
Picnic Tables	E	Pumphouse	
Pumphouse	S	Pool	
Pool	N	Cabin	
Cabin	W	Fountain	
Fountain	E	Fire Hydrant	
Fire Hydrant	S	Pool	
Pool	W	Pavilion	
Pavilion	N	Picnic Tables	

**Map and Compass Activity at Arlington Echo  
Four Point Course B  
Teacher Copy**

Location	Go	To	Symbol
Pool	W	Pavilion	
Pavilion	N	Fountain	
Fountain	E	Cabin	
Cabin	S	Fire Hydrant	
Fire Hydrant	S	Pool	
Pool	N	Pumphouse	
Pumphouse	W	Picnic Tables	
Picnic Tables	S	Pavilion	

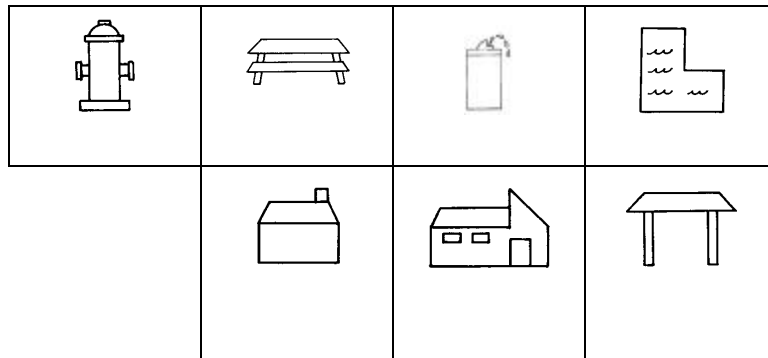
**Map and Compass Activity at Arlington Echo  
Four Point Course B  
Student Copy**

Location	Go	To	Symbol
Pool	W	Pavilion	
Pavilion	N	Fountain	
Fountain	E	Cabin	
Cabin	S	Fire Hydrant	
Fire Hydrant	S	Pool	
Pool	N	Pumphouse	
Pumphouse	W	Picnic Tables	
Picnic Tables	S	Pavilion	

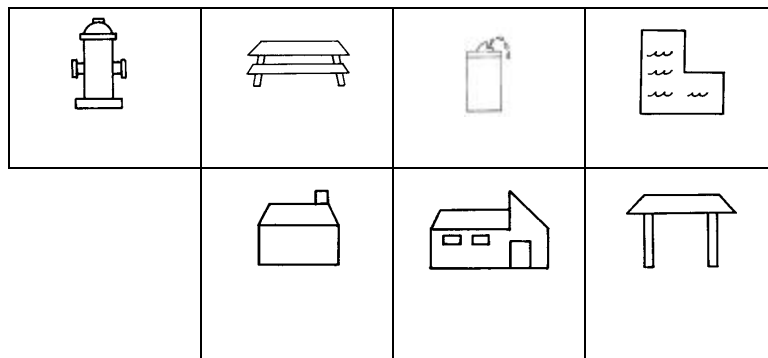
## Arlington Echo Cut and Paste Symbol Sheet

<b>Key</b>		
<b>Pool</b>	<b>Pavilion</b>	<b>Fountain</b>
<b>Cabin</b>	<b>Pump House</b>	<b>Picnic Tables</b>
	<b>Fire Hydrant</b>	

### Cut and Use With Key Above

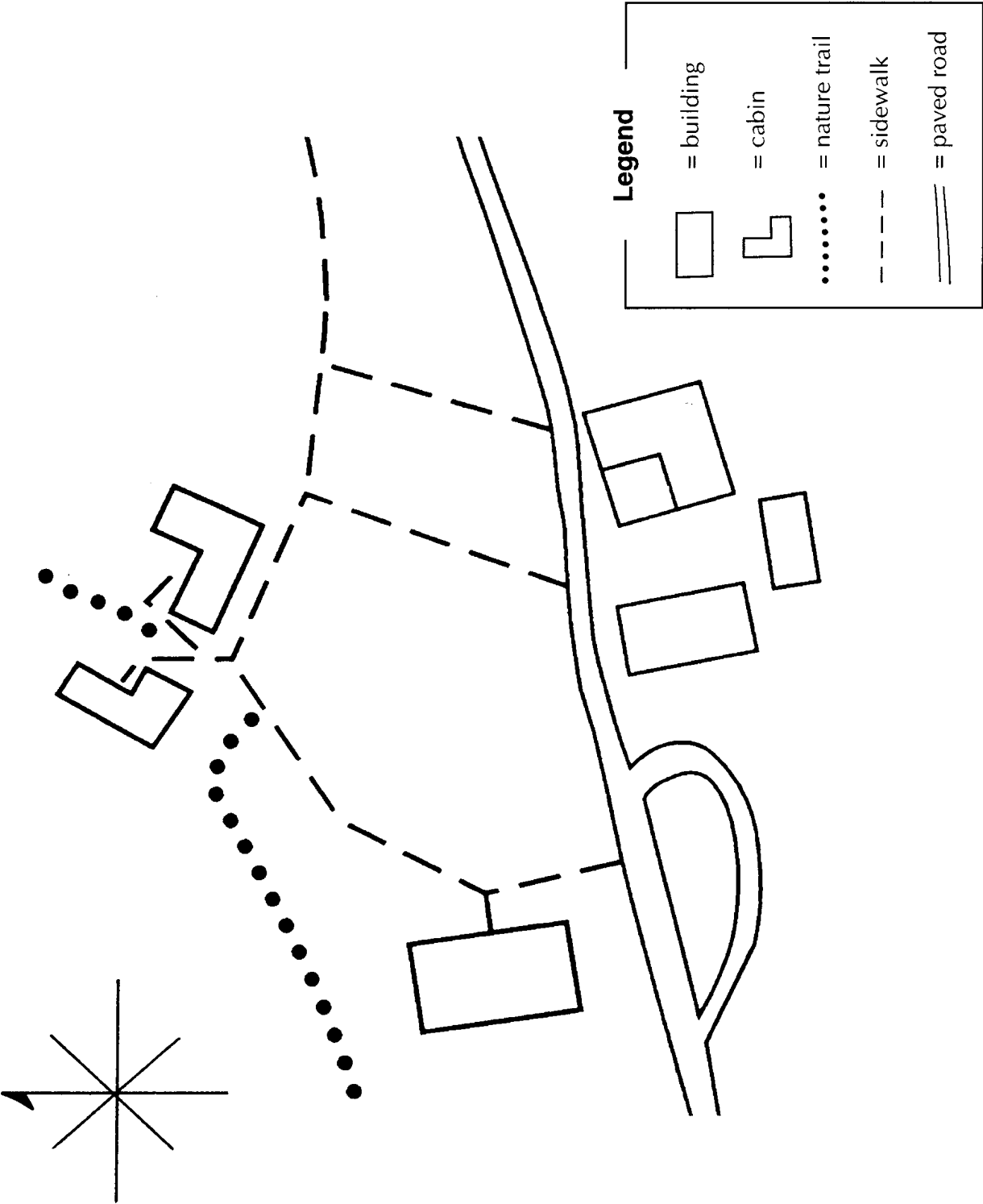


### Cut and Use With Map



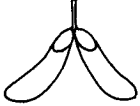

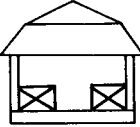

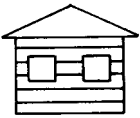
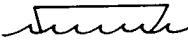
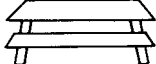
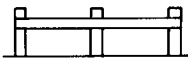
# Arlington Echo

## Student Map: Four Point Map and Compass Course



Student map for publication-  
1st Grade Guidebook of Activities 2295/31

**Map and Compass Activity at West River  
Four Point Course  
Teacher Copy**

Location	Go	To	Symbol
Fence Post	W	Maple	
Maple	N	Oak Stump	
Oak Stump	E	Gazebo	
Gazebo	S	Basketball Court	
Basketball Court	W	Cabin	
Cabin	N	Boathouse	
Boathouse	E	Picnic Table	
Picnic Table	S	Fence Post	

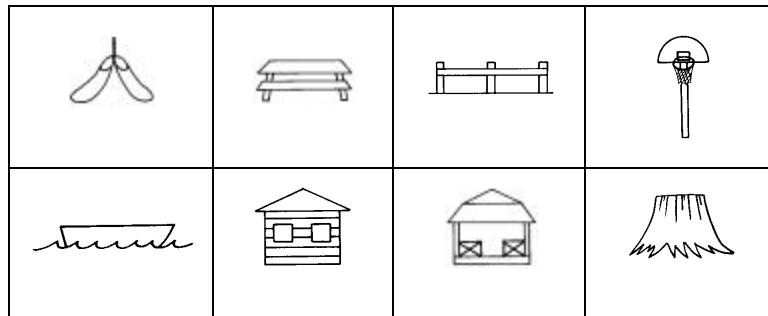
**Map and Compass Activity at West River  
Four Point Course  
Student Copy**

Location	Go	To	Symbol
Fence Post	W	Maple	
Maple	N	Oak Stump	
Oak Stump	E	Gazebo	
Gazebo	S	Basketball Court	
Basketball Court	W	Cabin	
Cabin	N	Boathouse	
Boathouse	E	Picnic Table	
Picnic Table	S	Fence Post	

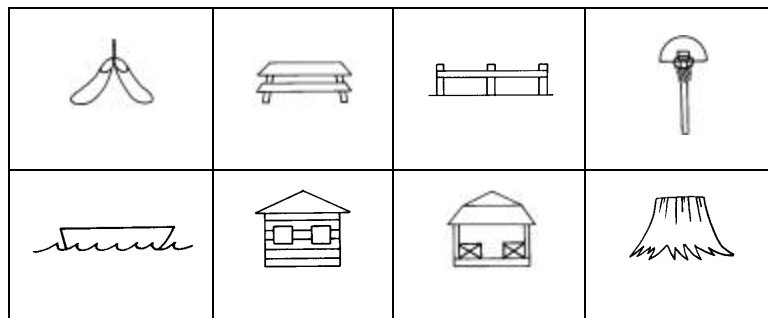
### West River Cut and Paste Symbol Sheet

Key		
<b>Fence Post</b>	<b>Maple</b>	<b>Oak Stump</b>
<b>Gazebo</b>	<b>Basketball Court</b>	<b>Cabin</b>
<b>Boathouse</b>	<b>Picnic Table</b>	

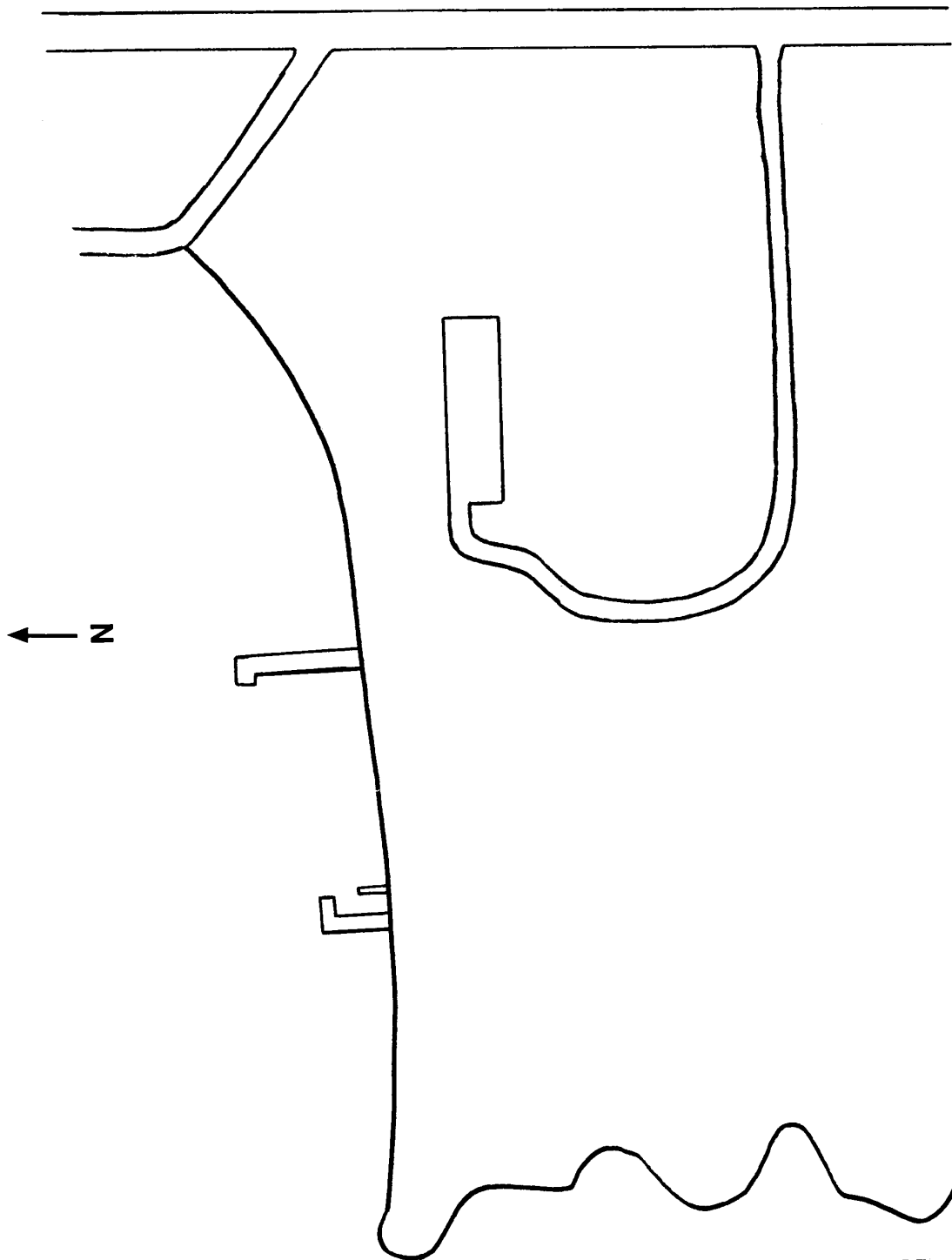
#### Cut and Use With Key Above







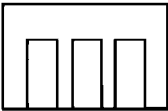


#### Cut and Use With Map



**West River**  
**Student Map: Four Point Map and Compass Course**





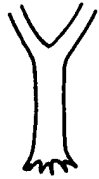


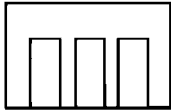

**Map and Compass Activity at Camp Woodlands**  
**Four Point *BLUE* Course**  
**Teacher Copy**

Location	Go	To	Symbol
Faucet	S	Forked Tree	
Forked Tree	S	People Tree	
People Tree	E	Top of Valley	
Top of Valley	N	Campfire	
Campfire	W	Latrine	
Latrine	N	Cluster of Trees	
Cluster of Trees	W	Faucet	

**Map and Compass Activity at Camp Woodlands**  
**Four Point *BLUE* Course**  
**Student Copy**

Location	Go	To	Symbol
Faucet	S	Forked Tree	
Forked Tree	S	People Tree	
People Tree	E	Top of Valley	
Top of Valley	N	Campfire	
Campfire	W	Latrine	
Latrine	N	Cluster of Trees	
Cluster of Trees	W	Faucet	


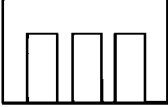



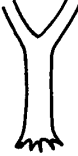

**Map and Compass Activity at Camp Woodlands**  
**Four Point *GREEN* Course**  
**Teacher Copy**

Location	Go	To	Symbol
Campfire	S	Top of Valley	
Top of Valley	W	People Tree	
People Tree	N	Forked Tree	
Forked Tree	N	Faucet	
Faucet	E	Cluster of Trees	
Cluster of Trees	S	Latrine	
Latrine	E	Campfire	

**Map and Compass Activity at Camp Woodlands**  
**Four Point *GREEN* Course**  
**Student Copy**

Location	Go	To	Symbol
Campfire	S	Top of Valley	
Top of Valley	W	People Tree	
People Tree	N	Forked Tree	
Forked Tree	N	Faucet	
Faucet	E	Cluster of Trees	
Cluster of Trees	S	Latrine	
Latrine	E	Campfire	

**Map and Compass Activity at Camp Woodlands**  
**Four Point *ORANGE* Course**  
**Teacher Copy**

Location	Go L	To	Symbol
Faucet	E	Cluster of Trees	
Cluster of Trees	S	Latrine	
Latrine	E	Camp Fire	
Camp Fire	S	Top of Valley	
Top of Valley	W	People Tree	
People Tree	N	Forked Tree	
Forked Tree	N	Faucet	

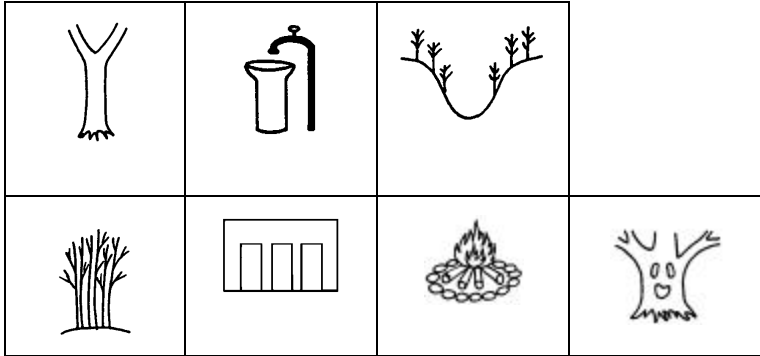
**Map and Compass Activity at Camp Woodlands**  
**Four Point *ORANGE* Course**  
**Student Copy**

Location	Go L	To	Symbol
Faucet	E	Cluster of Trees	
Cluster of Trees	S	Latrine	
Latrine	E	Campfire	
Campfire	S	Top of Valley	
Top of Valley	W	People Tree	
People Tree	N	Forked Tree	
Forked Tree	N	Faucet	

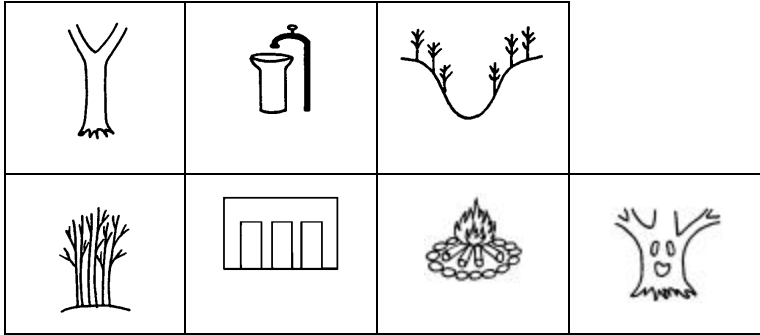
**Camp Woodlands  
Cut and Paste Symbol Sheet**

<b>Key</b>		
<b>Top of Valley</b>	<b>People Tree</b>	<b>Forked Tree</b>
<b>Faucet</b>	<b>Cluster of Trees</b>	<b>Latrine</b>
	<b>Campfire</b>	

**Cut and Use With Key Above**



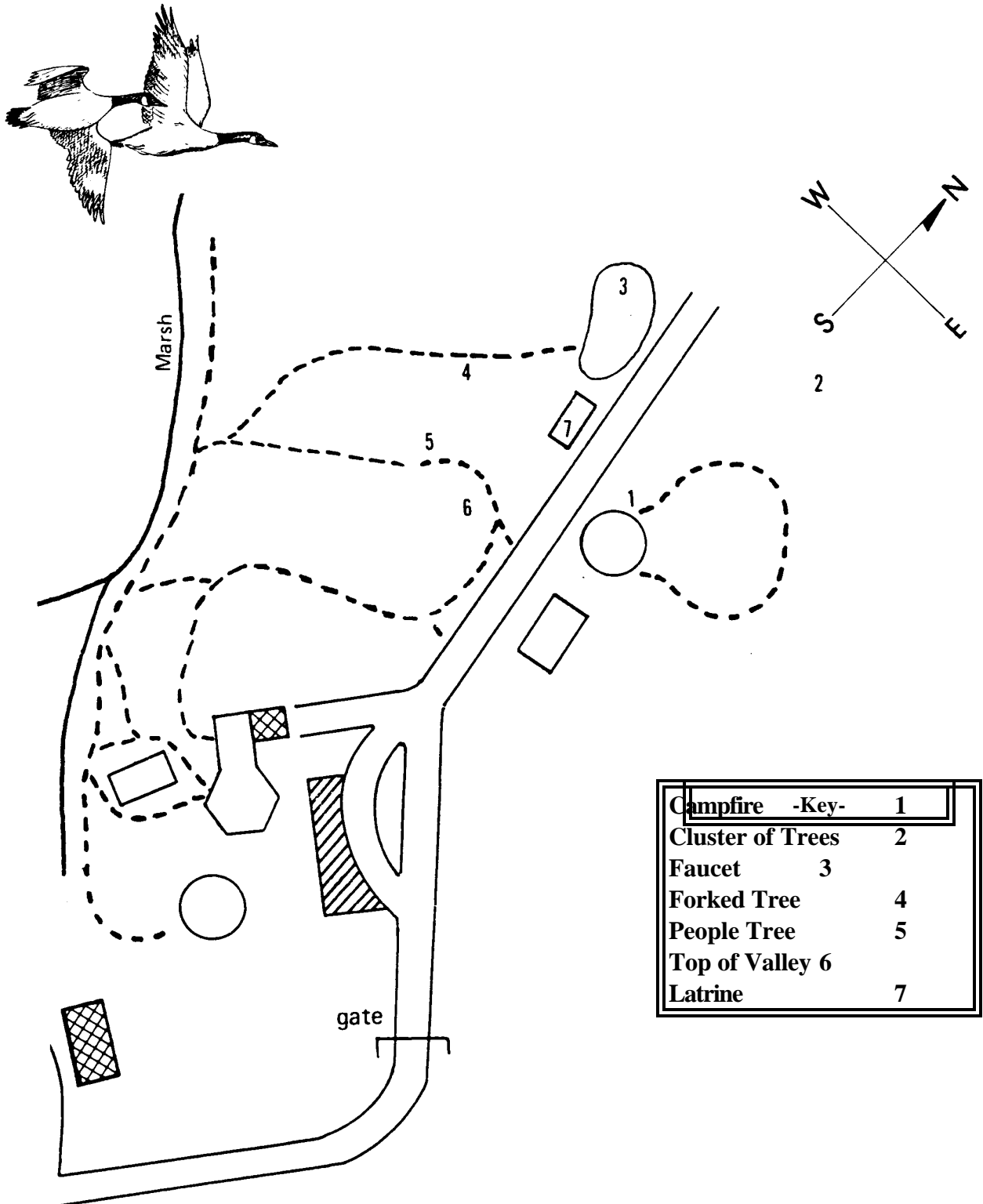
**Cut and Use With Map**



# Camp Woodlands

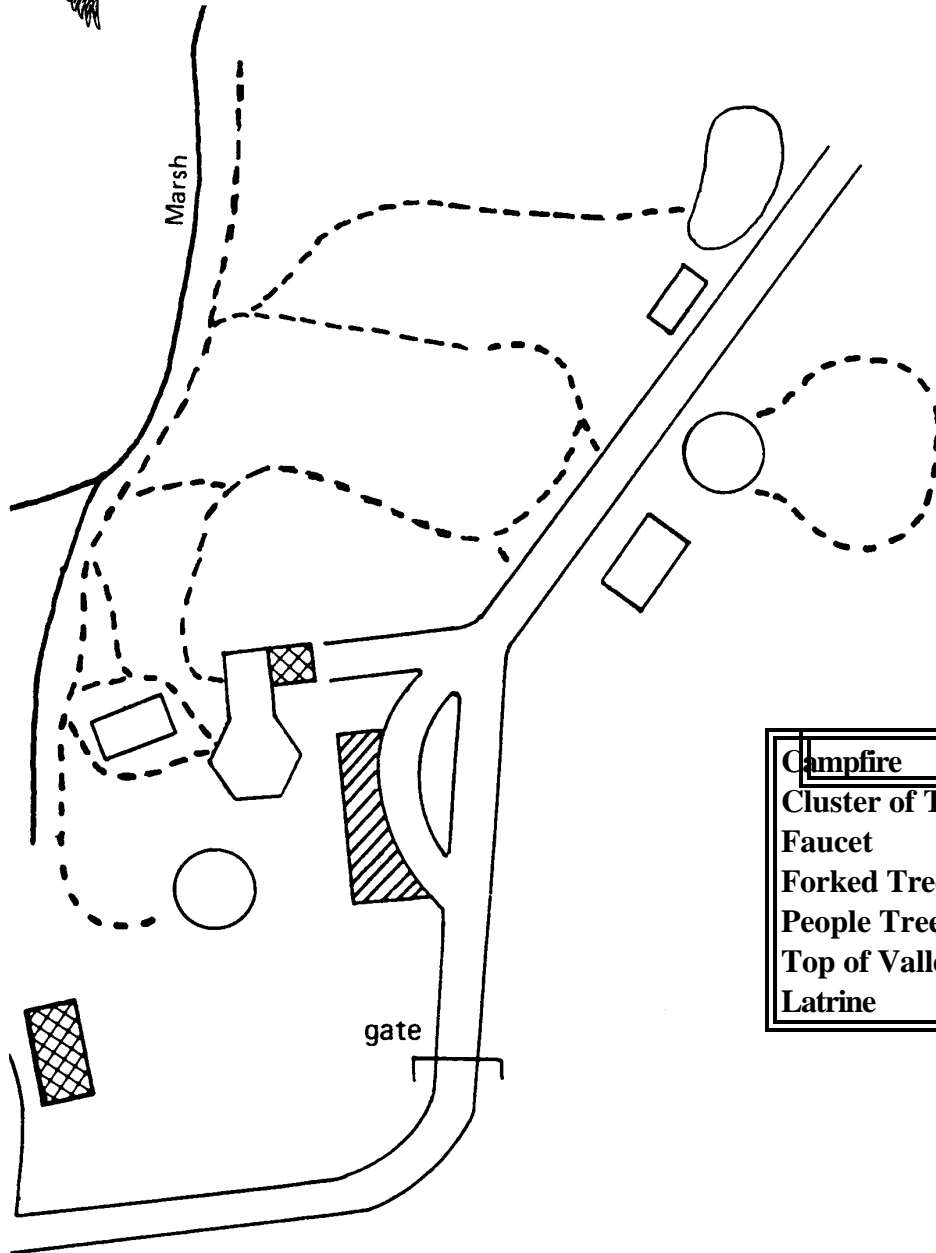
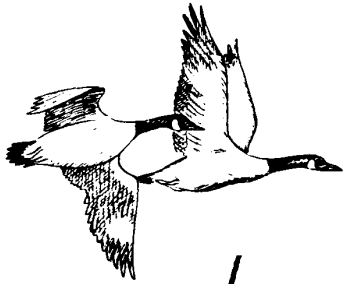
## Map and Compass - All Courses

Teacher Copy



# Camp Woodlands Map and Compass - All Courses

## Student Copy



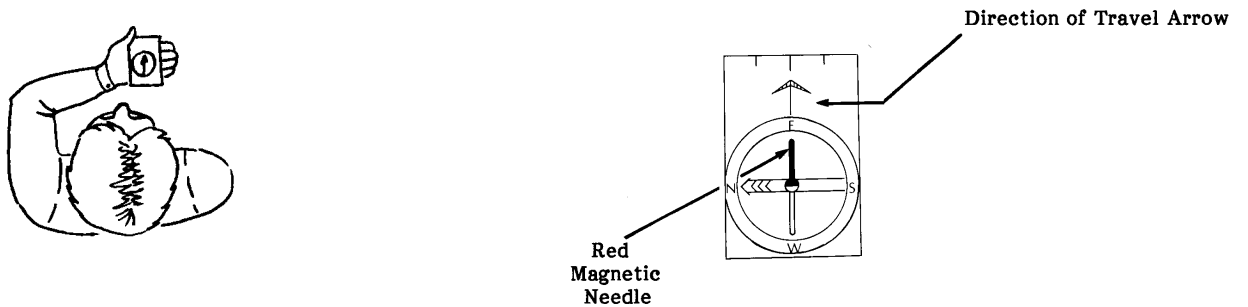
Campfire	-Key-	1
Cluster of Trees		2
Faucet		3
Forked Tree		4
People Tree		5
Top of Valley		6
Latrine		7

### Compass Skill Sheet (How to Use a Compass)

1. Hold the base of the compass against your body with the arrow pointing away from you.



2. Turn the dial so the given cardinal direction or degree reading matches the "Direction of Travel" arrow.



3. Turn your body until the red compass needle points north.



4. Look up, choose a landmark and walk in that particular direction.

