

STEP 4:

Turn the compass dial so that the red orienteering arrow and orienteering lines on the bottom of the compass housing are either on top or parallel to one of the thin black magnetic north lines on the topographic map. The red orienteering arrow must be pointing to the top of the map. *Ignore the moving magnetic needle at this step.* (See figure 3)

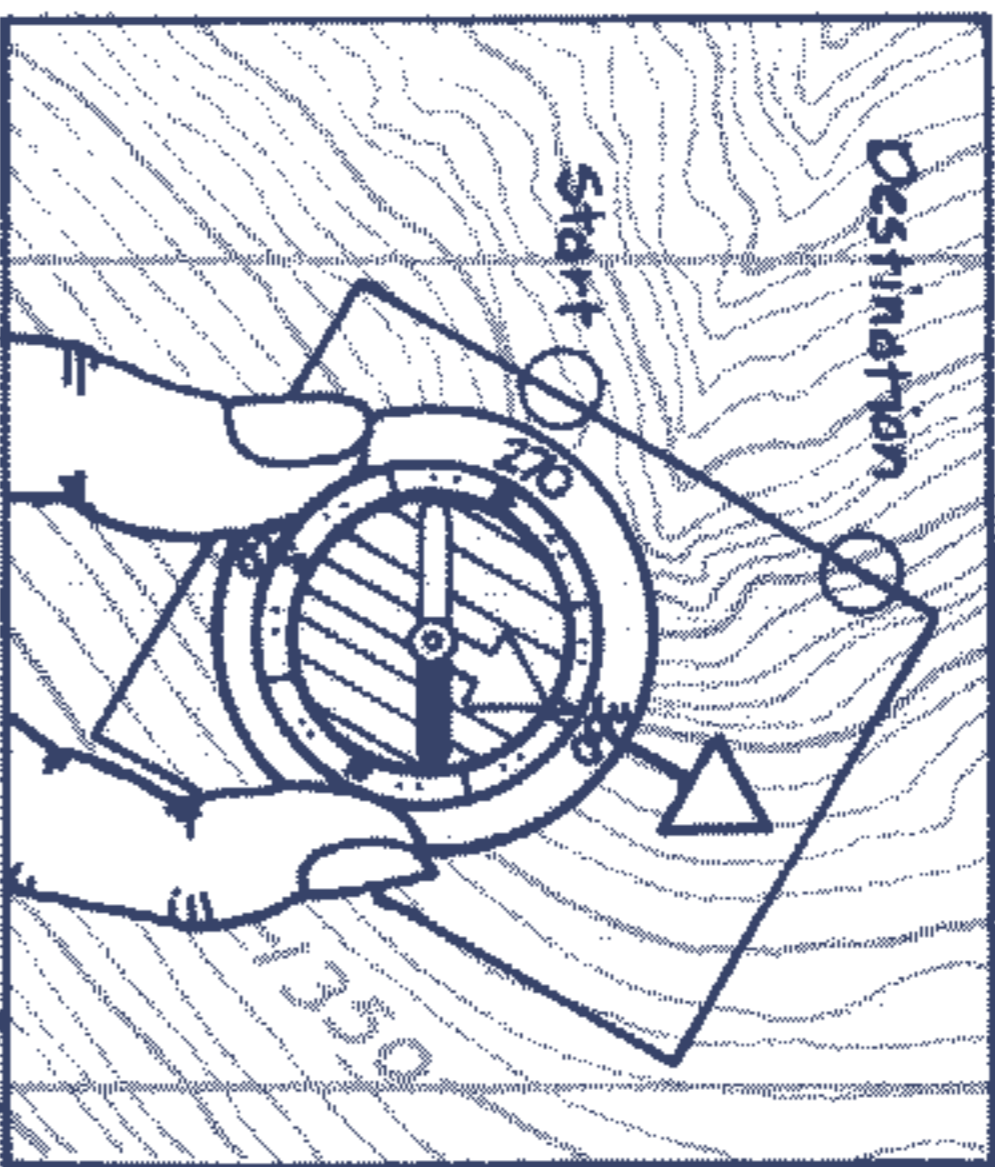


Fig. 2

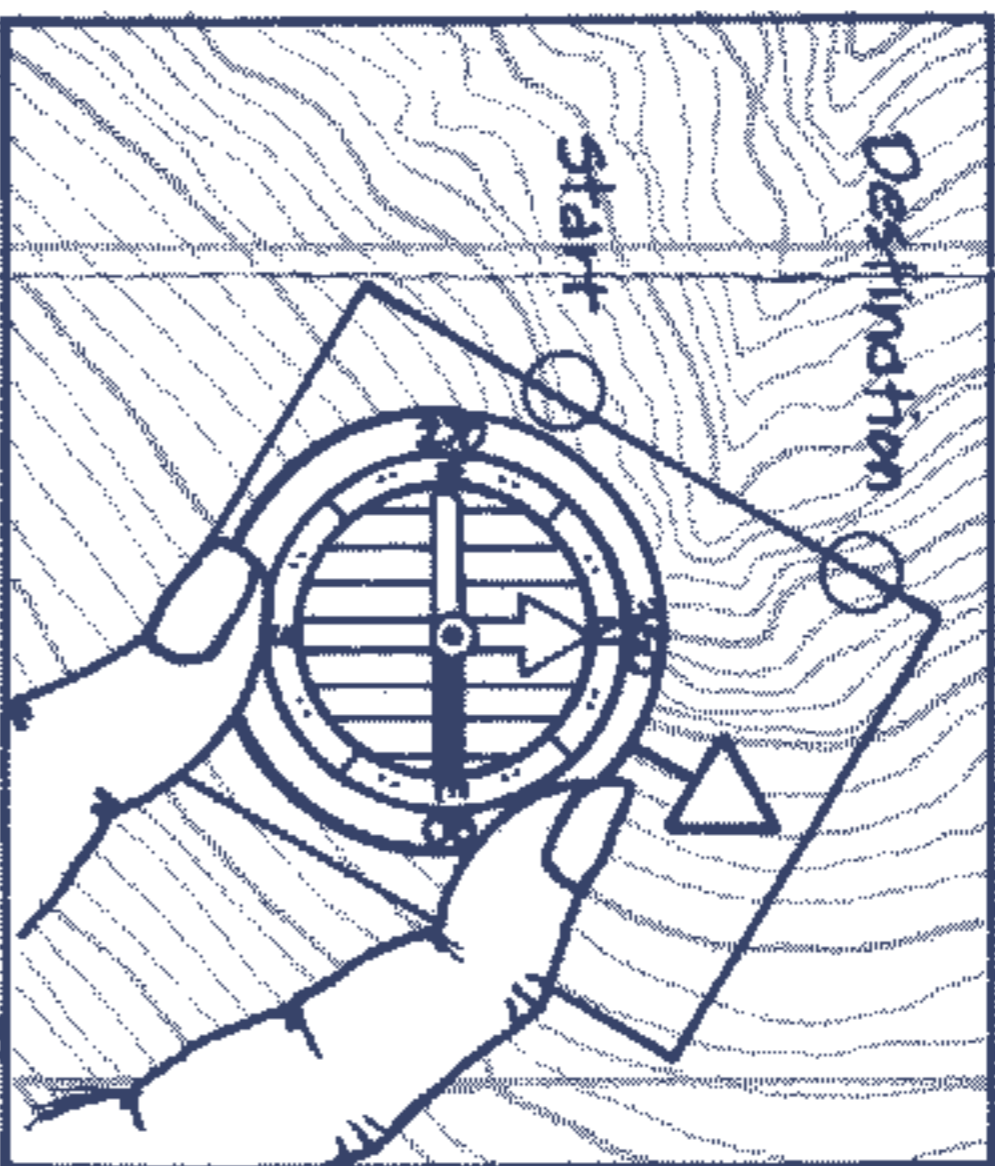


Fig. 3

STEP 5:

Holding your compass level and about waist high, rotate your body until the red end of the magnetic needle (north) is over the red orienteering arrow in the compass dial. This orients your compass.

STEP 6:

With compass oriented, raise your eyes and pick a landmark (stone, tree, etc.) in the direction in which the red direction of travel arrow in the compass' base plate points. Walk to this landmark, then sight another landmark with the help of your compass. Continue to destination counting your paces to measure the approximate distance you have traveled.



Commonwealth of Pennsylvania

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**ORIENTEERING AT
KINGS GAP**

Orienteering is a sport that involves finding your way with the aid of a map and compass.

A course consisting of twelve orienteering targets has been constructed at Kings Gap. The location of each target is shown on the map.

The targets are triangular in shape and painted red and white. Each target is identified by a number and a code letter. The code letters may be used for competition. A master list of the code letters is available at the mansion.

A recommended beginner's course is the trail made by finding targets 1, 2, 3, 4, and 5. This course takes about an hour to complete. Targets 10, 11, and 12 are for more advanced orienteers.

Remember to take safety with you. Be sure to allow enough time to complete the course you've chosen.

Compasses are available for loan at the mansion.

HOW TO ORIENTEER

STEP 1:

Smile - remember orienteering is fun!

STEP 2:

Measure the approximate distance between the two points with the millimeter (mm) scale on your compass (See figure 1)

STEP 3:

Connect the starting point and the destination with the long edge of your compass. Make sure the red direction of travel arrow on your plastic base is pointing in the proper direction. (see figure 2)

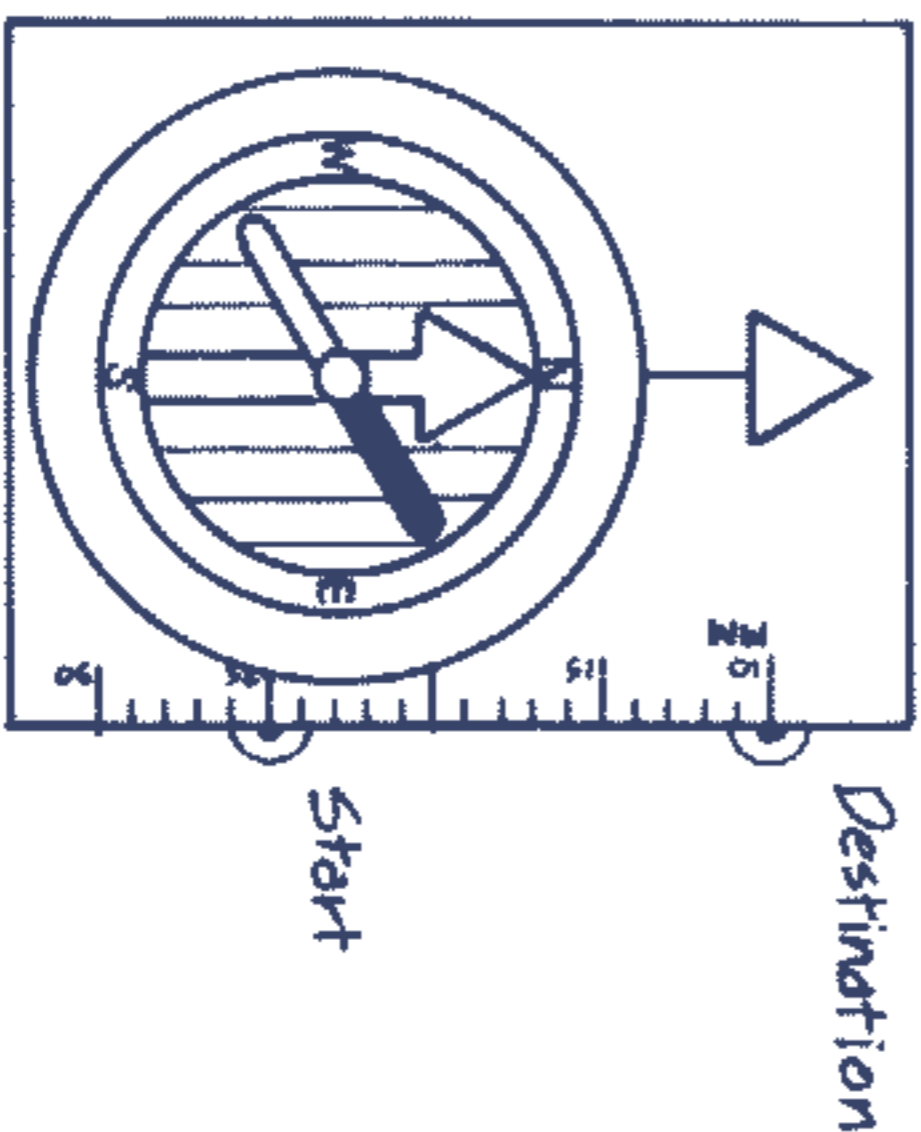
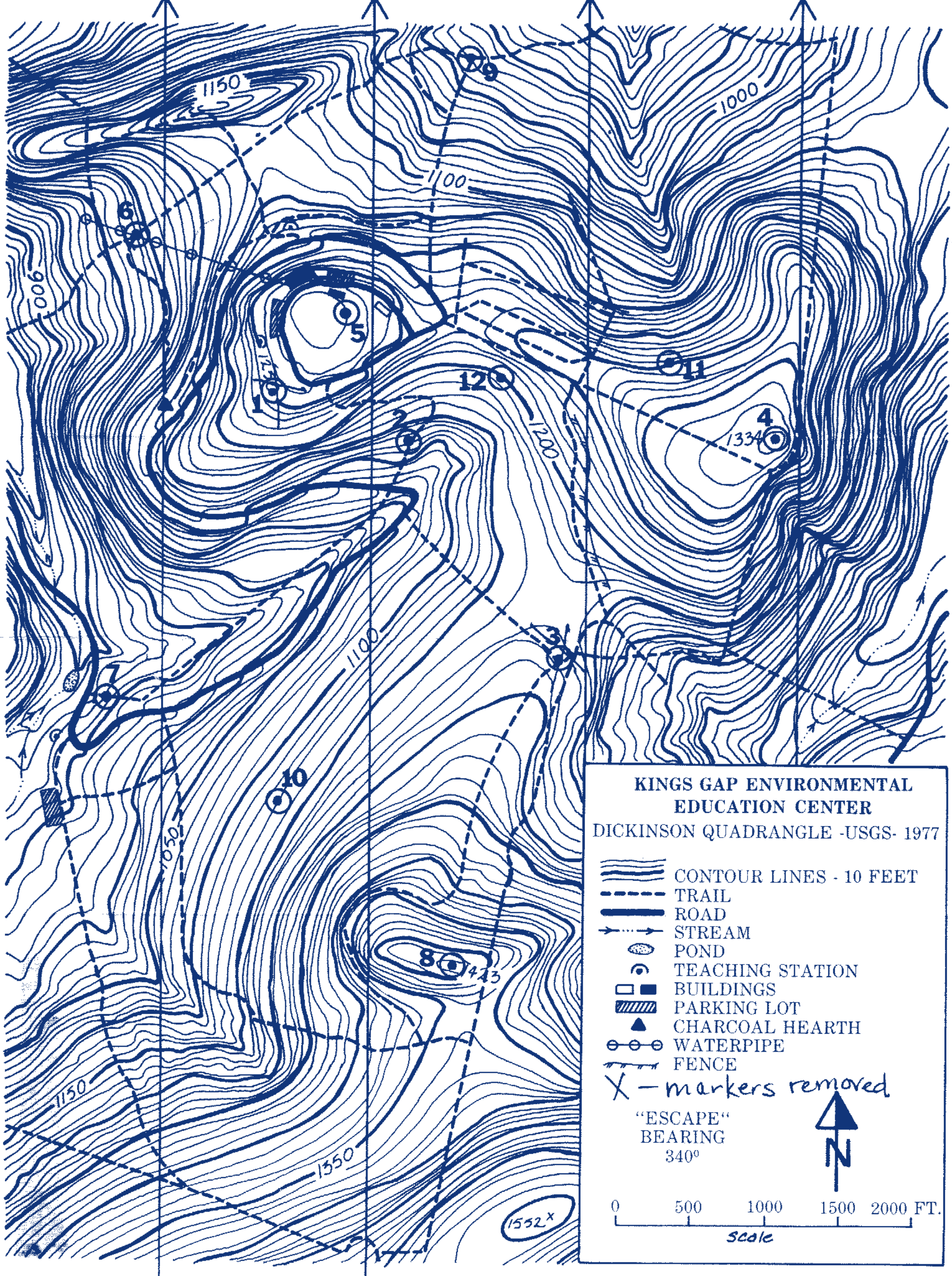













Fig. 1



**KINGS GAP ENVIRONMENTAL
EDUCATION CENTER**
DICKINSON QUADRANGLE -USGS- 1977

-  CONTOUR LINES - 10 FEET
-  TRAIL
-  ROAD
-  STREAM
-  POND
-  TEACHING STATION
-  BUILDINGS
-  PARKING LOT
-  CHARCOAL HEARTH
-  WATERPIPE
-  FENCE

X - markers removed

"ESCAPE"
BEARING
340°

