



Quadrant Craft

This craft is part of the David Livingstone Birthplace Navigation Loan box resources

With these instructions and template, you can build your own quadrant and then test it at night using the stars to find your latitude.

Materials:

- Quadrant Template (below – if you don't have a printer try drawing it on some paper before sticking it to the cardboard!)
- Scissors
- Glue Stick
- Cardboard
- String
- Button
- Hole Punch

Directions:

1. Cut out the quadrant template.
2. Cut out a piece of cardboard to match the quadrant template.
3. Glue the template to the cardboard.
4. Punch a hole through the cardboard.
5. Tie the button to one end of a piece of string that is as long as your quadrant.
6. Tie the other end of the string to the quadrant through the hole you punched.
7. Now the quadrant is assembled take it outside at night and find Polaris (the North Star).
8. Put the corner of the quadrant with the smiley face symbol up to your eye and point it towards the North Star.
9. Pinch the string down when it stops swinging.
10. Write down the angle your string stopped at and subtract or add the declination (this number can be looked up online). Now you have your latitude.

