

LIVERPOOL PHYSICS OLYMPICS



Location³

Aim To determine the geocoordinates of a specified object, given the

geocoordinates of three surrounding reference points.

Materials 1 metre rule 2 pieces of A4 card

Method Use the materials to make a protractor, sighting device, or theodolite

and use triangulation to determine the location of the object.

• All team members must remain on the grass at all times.

- No team member is allowed to cross the footpath.
- No GPS receivers may be used.
- The result must be given in the sexagesimal system (degrees, minutes and seconds).

Time limit 25 minutes

Ranking The ranking order will be determined by the difference between the

coordinates given and the actual coordinates of the object.

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Team	Result				West North

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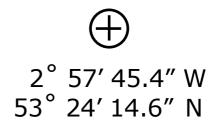
NOT TO SCALE

2° 57′ 45.6″ W 53° 24′ 17.8″ N



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