

Bridging Pack

1

Junior Secondary
**Exploring
Geography**
Third Edition

Sample

**Fieldwork tool
cards**

OXFORD
UNIVERSITY PRESS

Contents

Tool	Related topic	Page no.
Compass	Basic field measurement	
Measuring tape	Basic field measurement	1
Thermometer	Weather study	
Wet and dry bulb hygrometer	Weather study	2
Anemometer	Weather study	
Wind vane	Weather study	
Rain gauge	Weather study	
Water thermometer	Environmental quality	
pH meter	Environmental quality	
Noise meter	Environmental quality	
Abney level	Height and gradient	
Clinometer	Height and gradient	

*Minor adjustments may be made to the tools listed above in bulk publication.

Fieldwork tool cards — Basic field measurement

Junior Secondary
**Exploring
Geography**
Third Edition

Measuring tape




For measuring length, width or area of a site



© Oxford University Press (China) Ltd 2022

Fieldwork tool cards — Basic field measurement

Measuring tape

 **Suggested activity:**

- Divide the class into groups of 4–5.
- With the help of a measuring tape, draw the floor plan of your classroom at a particular scale, e.g. 1 cm to 0.5 m.

Notes to teachers:

- Ask students to conduct this activity after learning the concept of scale.
- May ask students to do this activity by themselves after class.

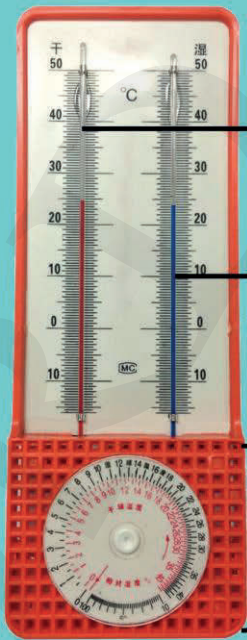
© Oxford University Press (China) Ltd 2022

Fieldwork tool cards — Weather study

Junior Secondary
**Exploring
Geography**
Third Edition

Wet and dry bulb hygrometer


For measuring air temperature and relative humidity (R.H.)



Dry-bulb thermometer

Wet-bulb thermometer


Relative humidity chart



© Oxford University Press (China) Ltd 2022


Fieldwork tool cards — Weather study

Wet and dry bulb hygrometer

 **Suggested activity:**

- Divide the class into groups of 4–6.
- Measure the air temperature and R.H. in your classroom and the playground with a wet and dry bulb hygrometer.
- Take readings twice per day (e.g. before and after school), and on 3 consecutive days.
- Calculate the average values. Compare the air temperature and R.H. in your classroom and the playground.

Notes to teachers:



If there is no wet and dry bulb hygrometer, we can use a digital hygro-thermometer, which is easily available in many stationery shops.

© Oxford University Press (China) Ltd 2022