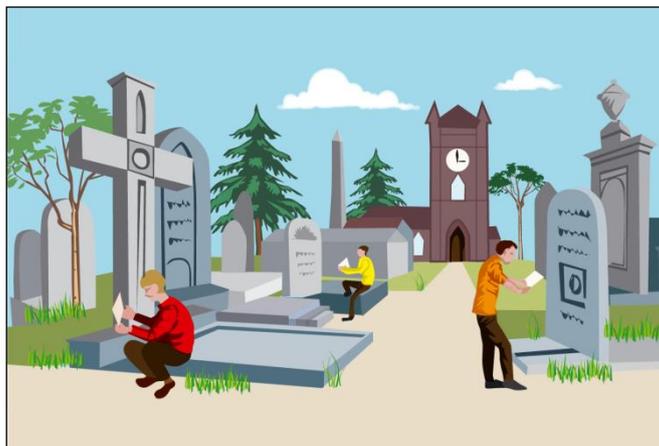


Pupil Sheet

Planning Guidelines:

You have seen a map of the churchyard and pictures of some of the gravestones. Now **read this sheet and then plan an investigation** which you can do when you visit the churchyard.



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When you go to the churchyard, you will be working in groups of about three people, but this planning part is for you to do **on your own**.

Here are some ideas which you could **choose** from to investigate:

- Which rock types are the most popular today?
- Was this the same 50, 100, 150 years ago?
- Which rock types resist weathering best?
- Does it make any difference which way a gravestone faces?
- Are vertical stones weathered more quickly than horizontal ones?
- On which gravestone rock types do lichens and mosses grow best?
- Do lichens and mosses speed up the weathering of gravestones?
- Are graves beneath trees weathered more quickly than those in the open?
- OR, you can investigate your own ideas.

Hints:

- a) You will need to identify the main rock types - granite, sandstone, marble and gneiss. How can you do this without damaging them? (You may ask a member of staff to add one drop of acid to each gravestone, if it helps you).
- b) How can you find out how long each gravestone has been there?
- c) How can you collect enough information to draw valid conclusions?
- d) How can you keep tidy records?
- e) How can you show which part of the graveyard you were working in?
- f) Will you need to compare one part of the graveyard with another?
- g) How can you look for the effects of **one** variable at a time?

WRITE DOWN IN DETAIL WHAT YOU ARE PLANNING TO DO

Some 'do's and don'ts:

- DO** bring warm clothing and a coat - it usually rains!
- DO** respect the feelings of any other visitors.
- DO NOT** clamber about on the graves any more than you can help.
- DO NOT** make a lot of noise.
- DO NOT** wander out of earshot.