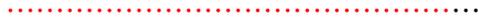


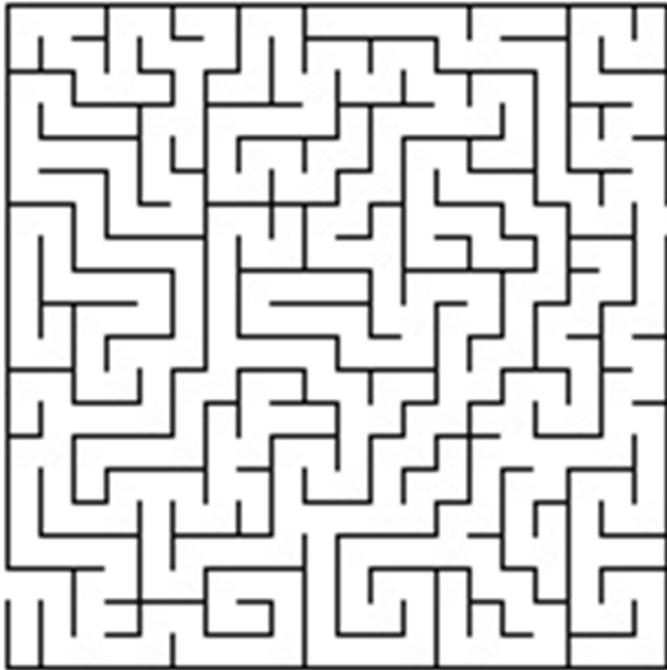


Tree Teaser!

Can you guess what type of tree this is?



Tree Tracker!



You have completed Mother Shipton's Tree Trail!



Tree Trail! KS3

Welcome to Mother Shipton's Cave!

By completing this Tree Trail you will learn about the various trees throughout the park and be able to spot them for yourselves!



Name.....

CAN YOU SPOT?

1. *As you walk past the first adventure playground can you spot any Horse chestnut trees on your left?*

Horse chestnut trees

*Horse chestnut trees are a tree for all seasons. In spring and summer they grow magnificent flowers and in autumn they grow conkers!

Can you see any conkers?



Width of Horse chestnut tree:

Other features noted (leaves, height, exposure to sun etc.)

TASK!

Using measuring tape measure the circumference of the trunks of different trees.

The thicker the trunk, the older the tree!



The standard protocol height is 1.5m from base of tree – known as its diameter at breast height (DBH).

Let's graph it!



Which of your trees is the oldest?

.....

What factors do you think have enabled this tree to grow to such an age?

.....

What is the average circumference of the trunks measured?

.....

4. As you walk up Beech Avenue, (on the way to the museum) can you spot any Beech trees?



Beech trees

*Beech trees have light brown trunks and are smooth to touch...

Have a feel!

*Beech trees can live for hundreds of years with coppiced stands living for more than 1000 years.



Width of Beech tree:
Other features noted:



SECRET SPOT!

Did you spot the roots of this tree as you walked through the park?

Why do trees have roots?

.....

2. Walk up the hill and just before the second adventure playground, look to your right and see if you can find a Cherry tree...



Cherry trees

*Cherry trees have dark brown trunks

*This Cherry tree is placed unevenly on the ground which might mean it's seed was dropped by a bird... Don't miss it!



Width of cherry tree:
Other features noted:

FACT!

The average figure for trees in England is 2.5cm/year of growth.

Do they think all kinds of trees will grow at the same rate?

What kinds of things will affect the rate of growth of a tree?

-
-

3. Can you spot the Hornbeam tree a little further on?

Hornbeam trees

*Hornbeam tree trunks are stripy like a zebra!

*Hornbeam trees have very hard wood which was used for ships and other machinery before steel was used.



Width of Hornbeam tree:

Other features noted:

FACT!

**Evergreen trees have leaves all year round.*



**Deciduous trees grow their leaves in spring and lose them in autumn.*



**Coniferous trees bear pinecones and most are evergreen*

**Broadleaf trees are any tree that has wide leaves rather than slim, needle-like leaves as found in conifers. Most broad-leaved trees are deciduous*

Let's think about the factors that affect tree growth...

True or false?



Wind exposure can stunt trees' growth and keep them small.

Trees will grow better in shallow soils

The shape and size of a tree at maturity is mostly controlled by its genetic makeup.

Trees will grow better on south-facing slopes.

Trees need only sunlight to grow well.

Soils of pH 6-8 (neutral/basic) will hold and release more nutrients than acid soils – most trees grow better in neutral soils.