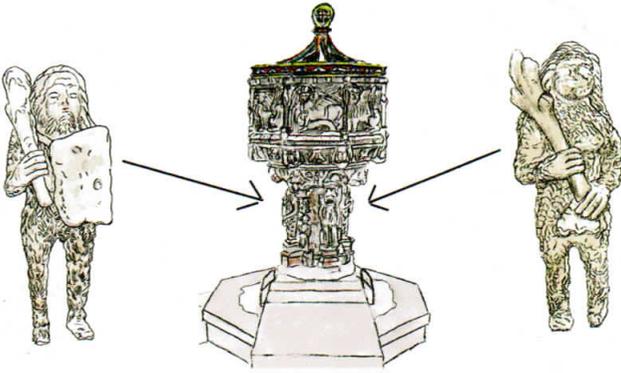




ST CATHERINE'S CHURCH
LUDHAM
SCIENCE TRAIL



1 Font



The green man and woman on the font are known as 'woodwoses' and they featured in Roman and Greek myths. The woman is very rare. You can find 'green men' in other churches - try looking at the roof bosses in Norwich Cathedral.

What material is the font made of?

Can you think of another material that could be used to hold water without leaking?

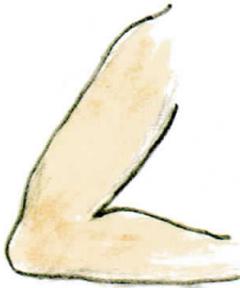
.....

2 Gravestone in Central Aisle

Which part of your body contains the skull?



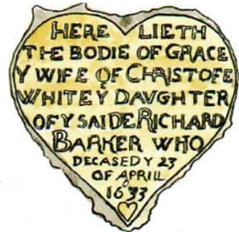
Draw a line from the skull to the correct part of the body:



3 Central Aisle

What is this a picture of?

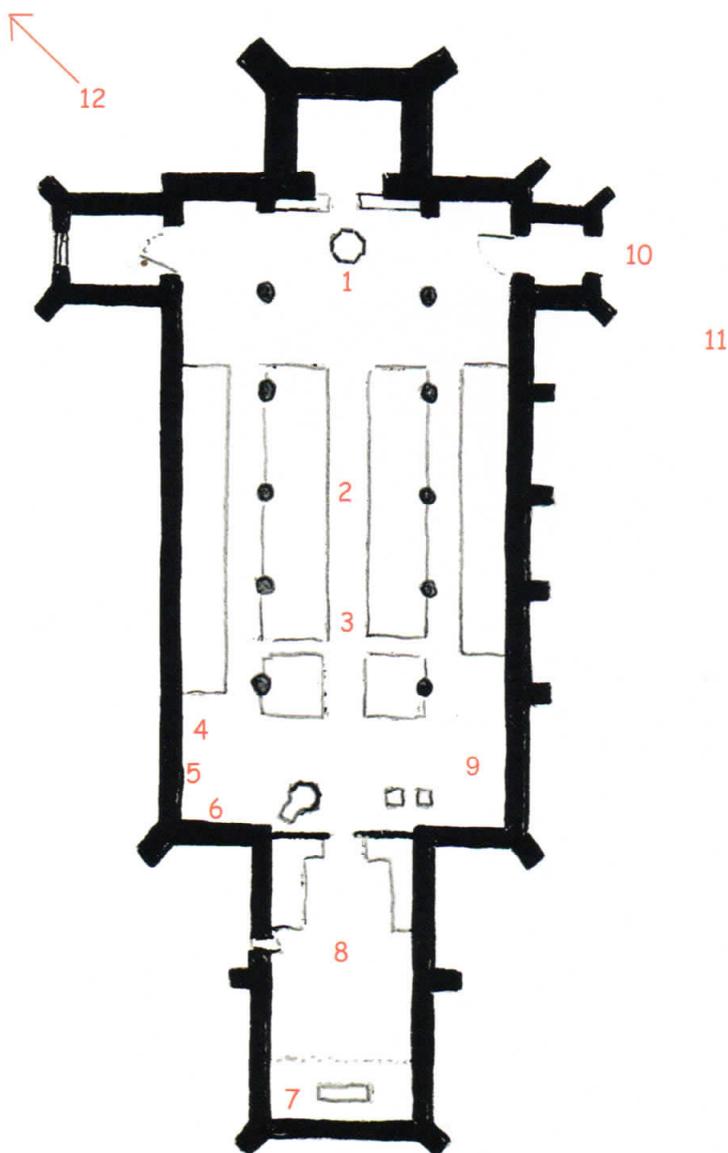
.....



Complete the sentence:

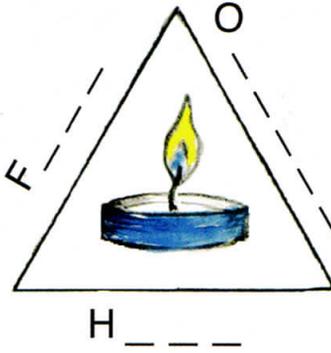
The h__t is the organ that pumps b__d around the human body.

Ludham Church is a place of worship that contains a lot of science when you look carefully. This numbered plan will take you to places that you can find out more - if you disagree with any of the science included on the trail - good - it means you are thinking and questioning like a scientist.



4 Candles near the Side Altar, South Aisle

On the sides of the triangle fill in the three things that a fire needs to keep it burning.



This is called the fire triangle.

5 Side Altar South Aisle

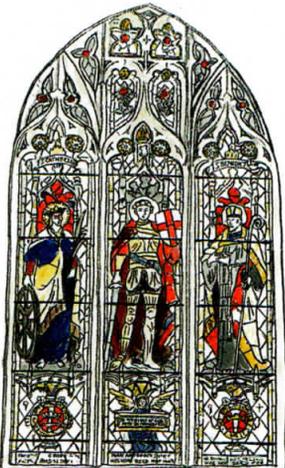
This hand was found in 1898 and the hole in it was probably for a Sanctus Bell rope. The bell was rung in the more solemn parts of the service.

Draw three other parts of your body in the boxes below:



If you have time you could play 'Simon Says' using these parts of the body, or sing 'head, shoulders, knees and toes!'

6 Stained Glass Window - Light



Shadows are made when the light from the sun is blocked by an object.

Draw three things you have found in the church that have made a shadow.

7 Behind the Altar

This symbol is a Greek letter called Omega. It is used by scientists when they talk about electricity.

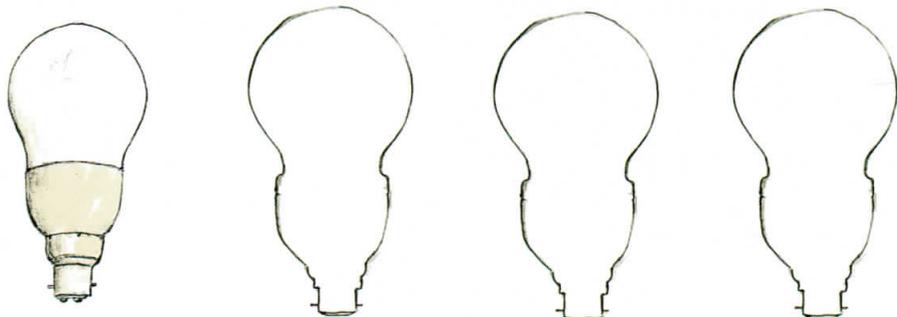
*Do you know any other Greek letters?
You may need to ask an adult to help you with this.*

.....



8 Light Bulb

*Can you find three things around the church that use electricity?
Draw them in the boxes below.*



What might the people visiting the church have used for the same purposes before electricity was discovered?

.....

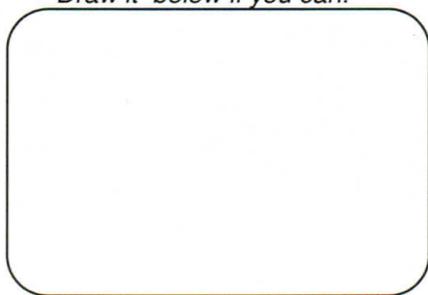
Now walk to 9 The Organ

Can you think of a musical instrument that you would use to make a high squeaky note?

.....

Draw it below if you can.

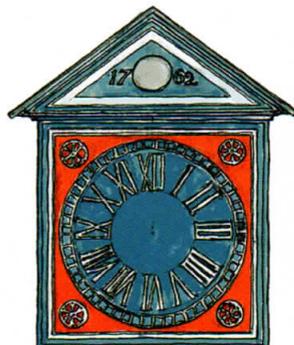
Label which of these pipes will make the highest pitch note and which will make the lowest pitch note.



10 Clock Outside the Church

In science when we are measuring time we usually use a stopwatch which counts in seconds (called the unit of time).

'The hands on the Ludham Church clock are missing - please can you draw them on.



Can you spot the clock weights inside the church? Clue: the bellringers would see them!



Scientists also measure length and temperature.

Draw a line from the measuring instrument to the correct unit.

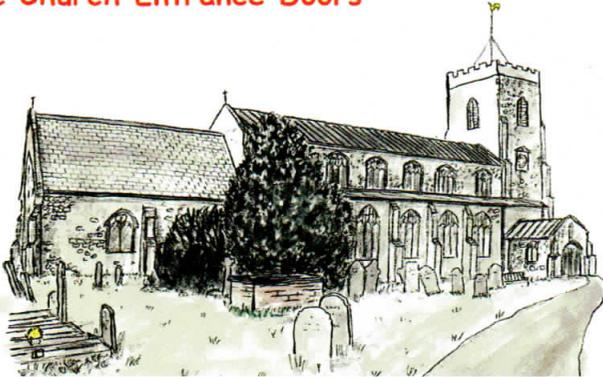


Degrees centigrade

Metres



11 Outside Church Entrance Doors



On this picture label the parts of the church building and suggest what they might be made from. If you have time you could also think of some silly materials that wouldn't be suitable.

For example a roof made of jelly would be too flippy floppy and would fall down.

12 Church Yard Conservation Area Garden

You will see lots of green plants here.

Draw something that keeps the plant alive in the right place next to it.



We hope you have enjoyed this trail at St Catherine's - Ludham. You will find another challenging science trail at Norwich Cathedral.

Why not visit and have a go?

Text by Anne Penfold - a.penfold242@btinternet.com

Illustrations by Mike McEwen.

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