

Thursday 2nd July Year 4 Daily Plan

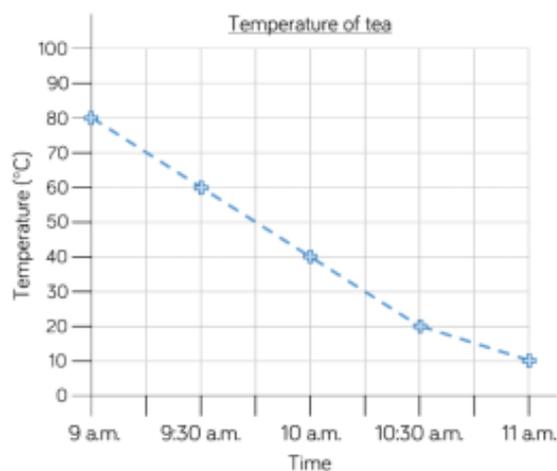
My apologies for all the attachments today. I hope those of you going to school tomorrow have a great day.

Maths- I can interpret data from a line graph

How did you get on with line graphs yesterday? Today we are going to repeat the same skill of 'reading and understanding' the information that is shown in a line graph. Remember the line is continuous and the numbers go up or down like on a number line. You have to 'read' all the information that is written on the graph to help you know what you are looking at, the title, the headings along the bottom and the side, the numbers etc. Watch the video before completing today's sheet about line graphs. Answers are attached separately. <https://vimeo.com/432266309>

Extension (Answers below)

Eva measured the temperature of a cup of tea every 30 minutes for 2 hours. The graph shows Eva's results.



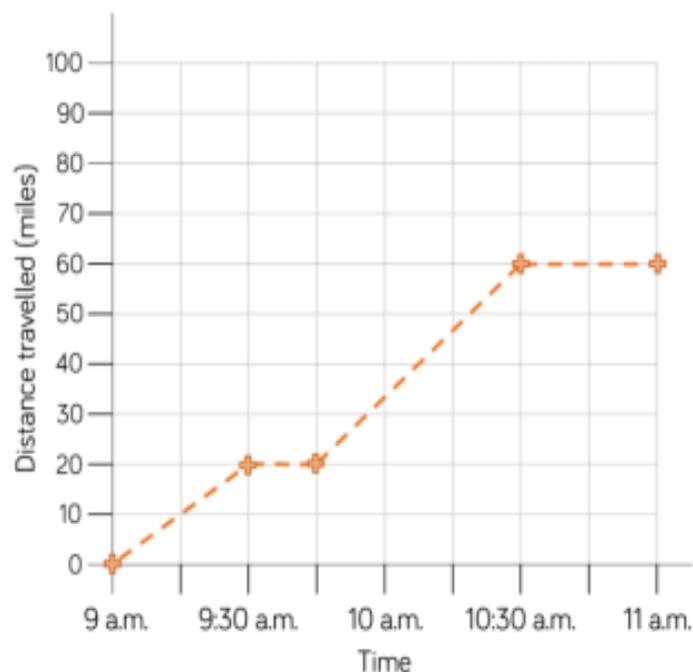
Eva says,



In the first 45 minutes the temperature of the tea had dropped by 20 degrees.

Do you agree with Eva?
Explain why.

Write a story to match the graph.



I have also attached an arithmetic paper which is optional.

I do not agree with Eva. At 9 a.m. the temperature was 80 degrees and at 9.45 a.m. the temperature was 50 degrees, so it had dropped 30 degrees not 20 degrees.

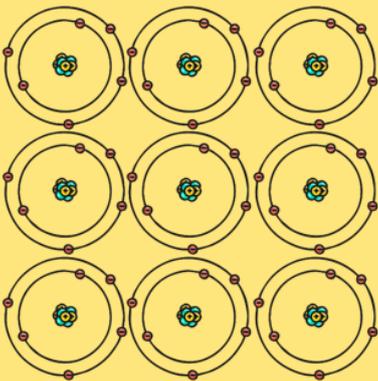
Example story: Mo drove 20 miles in his lorry. At half past 9 he had a 15 minute rest then drove for another 30 miles until he reached his destination at 10:30 a.m.

Science- L.O I can identify and sort materials into electrical conductors or insulators.

It is getting trickier to teach Science via home learning but I have managed to find a series of You tube clips that cover exactly what we would have done in school. Read the slides below before watching the clips and completing the attached sheet. These slides explain the difference in how electrons move in materials that are conductors and insulators.

Insulators and Conductors

In most materials, the atoms look like this:



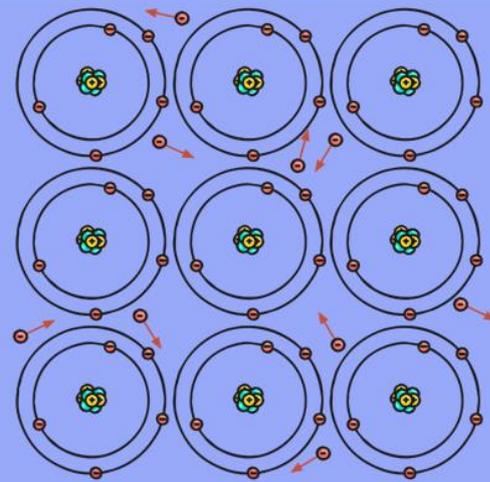
- The **protons** and **neutrons** are attracted to each other as a result of the **strong nuclear force**, and they form the nucleus.
- The **electrons** are attracted to **protons**, but this attraction is not as strong as the **strong nuclear force** which makes the **protons** and **neutrons** stick together.
- Instead, the attraction means that the **electrons** orbit the **protons** in the nucleus.
- The **electrons cannot move freely** in these materials and therefore no **electric current** can be produced.

These materials are called **electrical insulators**.

If you create a circuit which includes an **electrical insulator**, it will be **incomplete** (even if it looks complete!) as no **electrons** will flow through the material.

Insulators and Conductors

- In some materials, some of the **electrons** are **free electrons** and can move.
- If you create a circuit with these materials, the **free electrons** can be made to move in one direction, creating an electric current.
- These materials are called **electrical conductors**.



N.B. If the circuit has not been set up correctly, then the electric current cannot flow, even through a conductor. Ensure that you check that you have connected all parts of the circuit together.

<https://safeYouTube.net/w/zBRM> (Conductors and insulators live lessons) There are other electricity live lessons you could watch too if you search conductors and insulators KS2. I hope you enjoy watching.

Optional extension tasks-

Examineit: Examine a range of electrical appliances and record the materials that are used to insulate wires.

Drawit: Draw a circuit created and label around the circuit with what the electrons were doing (either staying static or moving).

R.E- The Communion of Saints: showing people what God is like

Christians, whether they are living on Earth or in heaven, belong to what is called the **Communion of Saints**. **Communion** means to **belong together**, and saints are those who follow God's way. They show us something about God. They may be kind, generous, loving, faithful, forgiving and caring.

In the first letter of St John, where he is encouraging his readers to follow God's way, he offers some ideas about how we can all become a bit more like God, a saint:

See what great love the Father has for us, that we should

be called children of God!

And that is what we are!

Dear friends we are already children of God,

We know that when Christ appears, we shall be like him,

Because we shall see him as he is.

Everyone who has this hope in Christ,

Will try to be loving and kind and keep away from

Anything that is wrong.

1 John 3:1-3

We are all called to be saints and there are some people who are given a special title of **saint** because of the daily life they have led. These saints may have a special feast day during the year like St Theresa, St Bernadette, St Paul. On 1st November every year the church celebrates the Feast of All Saints, that is all the holy women and men who have followed God's way.

Task- Research a saint: St Aidan, St Theresa, St Peter (Year 5 class saint) or you could research your name or the name of someone in your family. Try to discover some of the ideas, beliefs, feelings and experiences particular to the saint of your choice. It is up to you how you wish to present your research, a fact file, a poster, a mind map.

P.E – I loved seeing your videos of the ball challenge last week so here is another one <https://www.youthsporttrust.org/sites/default/files/Catch%20and%20Clap.pdf> 35 catch and claps earns you a gold medal. Why not try and beat your number of ball passes from last week as a warm-up to this week's challenge.

E-safety- Please see the activity from 'Think you know'

<https://www.thinkuknow.co.uk/globalassets/thinkuknow/documents/thinkuknow/parents/ts/pdf/thinkuknow-8-10s-home-activity-sheet-5.pdf>

Extra (take your pick)

Watch Newsround

Make a robot out of card

Learn about another country

Make a vlog of your week