

# Science News

**Welcome** to the first Palmers Cross Primary School science newsletter!

In each newsletter, we will be sharing science news and events from in school, the local community and around the world.

We will also include science experiments and quizzes that you can do at home!



## Science At Home

With all of these beautiful coloured leaves around, why not try this amazing **leaf chromatography** experiment!

You will need:

- Pot of boiling water
- Rubbing alcohol
- Small containers with lids
- Different coloured leaves



Method:

1. Place leaves in a boiling pot of water for 5 minutes. While they are boiling, fill up the containers with rubbing alcohol.
2. Use the tongs to remove the leaves and place each one in the rubbing alcohol making sure to sort by colour.
3. Come back throughout the day and check to see if the alcohol has changed colour. What happens if you leave them overnight?

**Make sure an adult helps you with experiments!**

## STEM Careers - Astronomer

Do you like stargazing? Then maybe you could be an astronomer. Astronomers study planets and the sun in our own solar system, as well as other stars, solar systems, galaxies, and the whole universe!



## Science News

- A spacecraft has launched on a mission to uncover "the fossils" of the Solar System.
- UK hosts COP26 meeting on climate change.
- NASA's Perseverance Rover Records Martian Sounds.
- World's first malaria vaccine given go-ahead for mass immunisation of African children.

## Science Near You

### Save Our Changing Planet

Think about fun ways to recycle, reuse, repurpose by taking part in drop-in workshops to make junk puppets from recycled materials and explore ways to save the earth with shows in the theatre and planetarium.

Where: Thinktank Birmingham

### ENGINUITY

Enginuity is our fun-filled, hands (& feet)-on science and engineering centre, with something for everyone to enjoy! Discover how a blast furnace works or how waterpower is used – you may get wet! Test yourself on tabletop experiments, learn about the very first electric car and so much more!

Where: Enginuity, Ironbridge

### National Space Centre

Discover six galleries, including the iconic Rocket Tower and the UK's largest domed planetarium, crammed full of space suits, rockets, satellites and meteorites.

Where: Leicester

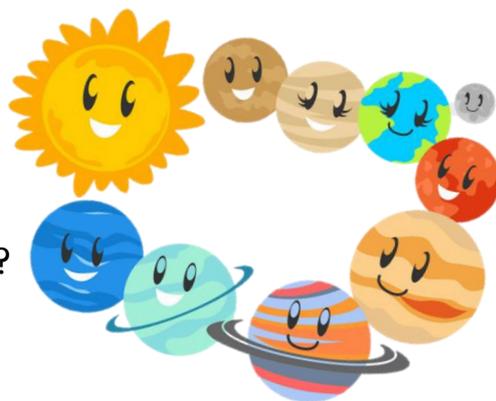
## Dark Nights, Great Sights

17<sup>th</sup>/18<sup>th</sup> November - Leonids Meteor Shower. This produces up to 15 meteors per hour at its peak. The shower runs annually from 6<sup>th</sup> -30<sup>th</sup> November. Best viewing will be from a dark location after midnight.



## SCIENCE QUIZ!

1. What is the smallest planet in the Solar System?
2. What is the largest planet in the Solar System?
3. What is the hottest planet in the Solar System?
4. What planet in the solar system is farthest from the Sun?
5. What planet in the solar system is closest from the Sun?
6. Which planet does the moon 'Titan' orbit?
7. What planet is nicknamed the 'Red Planet'?



## Keep in Touch

I would love to hear about all the science you do at home! Maybe you went on a science day out, completed our experiment at home or have the answers to the quiz! Please come and find me to let me know what you have been up to!

Miss Lewis

Science Leader 😊

