

Poster Competition: Plastics in the Oceans

David Attenborough has highlighted how plastic is slowly killing our sea creatures, fish and birds. Can you design a poster encouraging people to reduce how much plastic they use?

Once you've done your research, it's time to get creative!

Your poster must be:

- 2D (flat)
- On A4 or A3 paper

You can use pop up pictures, pull out tabs or use materials such as paint, drawing pencils, crayons and paper.

Please return your poster to school and hand in to your Class Teacher by Friday, 5th April.

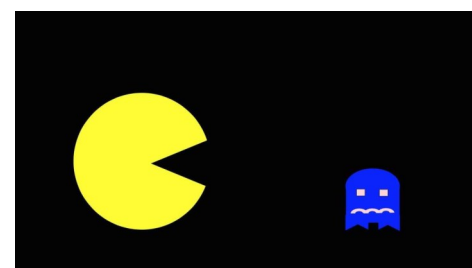


Pop-Up Computing Museum

This fascinating, interactive display will allow the children to experience the machines of another era. They will gain an understanding of how the mainframe computers of the '60s and '70s became small enough to evolve into personal computers and devices and how computing has become so pervasive in our lives today.

Each session will involve a lively presentation by staff from the Centre for Computing History followed by some hands-on time with the exhibits, and rounded up with a question and answer session where students will recap on what they have learned about computing history.

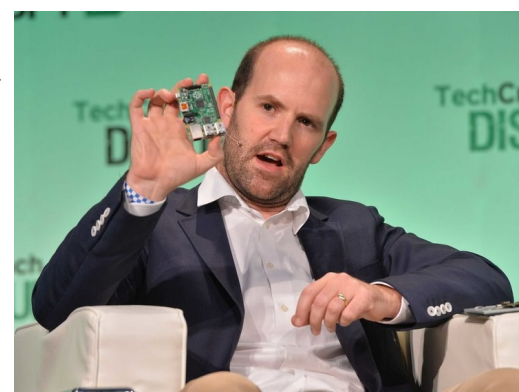
The display includes iconic computers and video game consoles dating back to the mid seventies such as: Binatone PONG Console, BBC Micro Computer and the Sinclair ZX Spectrum.



Something to think about...

'The direction we've drifted in has deprived us of a supply of computer programmers. We have a generation of consumers not producers, and consumption hardware and not production hardware. We are trying to generate a group of people who see computing as an open environment, see it as a platform for creating their own destiny.'

Dr Eben Upton—Founder of the Raspberry Pi Foundation



Castle Camps Science Festival 2019 *Astonishing Science*

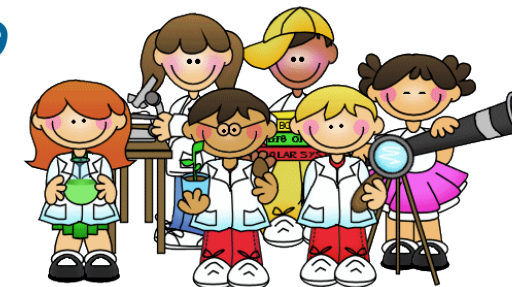
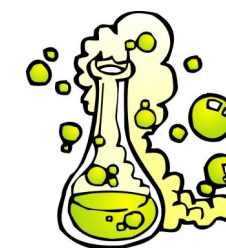
It's beginning to feel a lot like ... **SCIENCE WEEK!**

At Castle Camps C. of E. Primary School, we will be celebrating our Science Festival (*Astonishing Science*) between Monday, 1st and Friday, 5th April.

There will be lots of exciting events taking place in school and we are sure the children will gain much from the experience. In addition to class-based tasks, there will also be a number of fabulous workshops and visitors to look forward to.

Many thanks to FOCCS and the School House Trust for funding the workshops. Without their support, we would not be able to offer such a fantastic range of activities for our children.

Class timetables will be sent home ASAP.



Fascinating Science Facts to share with your child...

- Babies have around 100 more bones than adults.
- The Eiffel Tower can be 15cm taller during the summer.
- 20% of Earth's oxygen is produced by the Amazon rainforest.
- Some metals are so reactive that they explode on contact with water.
- Polar bears are nearly undetectable by infrared cameras.
- It takes 8 minutes, 19 seconds for light to travel from the Sun to the Earth.

ZooLab Workshops: African and Australian Animals

Thursday, 4th April



Africa

What better way to explore Africa than on a ZooLab safari! Accompanied by your ZooLab tour guide, pupils will embark on a learning adventure that will take them on foot, jeep and kayak around Africa's varied habitats. On our travels they will learn about the fantastic large creatures found in Africa and meet some smaller

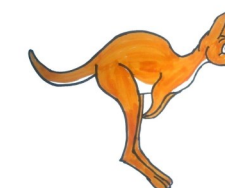
creatures that call this continent home. Using creativity and imagination, this workshop encourages pupils to explore the world around them. As an active learning experience that uses audience participation and actions, this session engages and challenges children's thinking using real-life and imaginary situations.



Australia

During the Australia workshop, children will explore and celebrate this extraordinary country as they are taken on a whirlwind trip. The workshop discusses:

- James Cook
- The myriad of Australian habitats
- Marsupials.
- Invasive species
- Conservation



Mad Science Presentations

The Mad Scientists will be in school on Monday, 1st April to launch our Science Festival activities. See below for details.

Slime Time!

Explore the exciting world of polymers, the chemical reactions we use to create them and the inner workings of goo! Transform two regular liquids into an oozing batch of your very own slime...

Dry Ice

Explore the 3 states of matter. Turn water to ice in 30 seconds, build a giant bubbling potion, carbonate plain drinking water and create the same awesome smoke illusions used in the movie! seems...



Arctic Explorers: Scott Polar Research Institute

For the duration of Science Week, we will be using the Arctic Explorers Handling Collections on loan from the Scott Polar Research Institute. Please see below for more information.

Modern Polar Clothing: Children will have the opportunity to try on all the clothing needed to keep warm in a polar region. The kit contains: thermal clothing, boots, balaclava, gloves, mittens and goggles.

Old Polar Clothing: We will be dressing the children up in replica clothing based on the Scott and Shackleton expeditions. The box contains clothing, mittens, gloves, socks, balaclava, underwear, outer clothing (no shoes or goggles are included in this pack).

Arctic Storybag: Based on the true story of a group of stranded beluga whales, Steve Schuch's book, *A Symphony of Whales*, is the inspiration for this pack. The bag includes: the book, a card game based on Arctic animals, a model beluga whale, a teacher pack full of cross curricular activity ideas, a newspaper article about the actual event, maps and some Russian language tips!



Film Night: Flight of the Navigator

After school on Thursday, 4th April we will be inviting children to watch The Flight of the Navigator. The films will run from 3:30pm–5:30pm.

If you would like to book a seat for your child, please complete the booking form (sent home today) and return to school (together with £2 cash) by morning registration on **Monday, 1st April**.

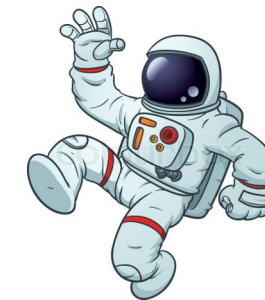


The Star Dome

The Star Dome is a portable, inflatable planetarium and it is *landing* at Castle Camps on Wednesday, 3rd April. We can't wait!

How do these objects interact with each other? Why do we get different seasons? Why does the Moon look different throughout the month? Find out the answers to these questions and more during this exciting presentation.

Explore the Solar System by visiting the planets and other objects. Then find out even more about the night time sky.



Fascinating Earth Facts to share with your child...

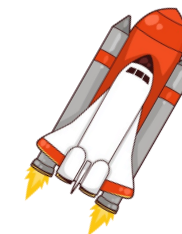
Earth is the **third planet from the sun** in our solar system.

Scientists have calculated the Earth to be around **4.5 billion years old!**

Like all the planets, **Earth orbits (travels around) around the sun.**

Gravity is an **invisible force** that attracts objects towards each other. It's this force that pulls things towards the Earth and stops us floating off into space!

The **Earth's diameter** (distance straight through the middle) measures a huge **12,800 kilometres**, making it the **fifth largest planet** in the solar system. **Jupiter, Saturn, Uranus and Neptune** are even bigger!



Earth is the only planet in our solar system known to **support life**. This is because it has two very important things that living creatures need to survive -- **lots of oxygen and lots of water!** Its distance from the sun means it's **not too hot and not too cold** for creatures to live on, too.

Plastic Free Friday

On Friday, 5th April, we are going to **have a plastic free day** in school. That means that **we won't use anything made of plastic that we have to throw away after using it**. So no bananas wrapped in plastic, no plastic carrier bags, no take-away drinks in plastic cups, and so on. We hope parents will support this.

Why?

Plastic can cause harm in many ways. It clogs our oceans, injures and kills birds and marine mammals, causes air pollution

when burnt, poisons our food when entering the food chain through fish, and endangers our health.

How?

Alternatives to plastic are plenty. There are so many wonderful non-plastic materials out there: cotton, linen, glass, steel, wood, hemp fibre, and many more! Especially when re-used, these alternatives contribute to a healthy planet,

healthy people, and healthy animals. The benefits of having a Plastic-Free Friday are countless and go beyond a healthy planet. Refusing to buy or discard plastic opens our eyes to stores, products, materials, and even people that you have never seen before.

PLEASE HELP US SUPPORT THIS EVENT BY NOT SENDING IN ANY DISPOSABLE PLASTIC

PRODUCTS IN YOUR CHILD'S LUNCH (OR FOR THEIR SNACK) ON THIS DAY.