Burlington's Science Selfie Challenge





This boy took part in many science activities during the holiday including gardening, planting vegetables and flowers, petting and grooming animals and watching a rude science gastronaut scientist show where he learnt about gastronomy. This girl was given a flower press kit and journal in the holidays. She has very diligently stuck some beautiful flowers in the journal and researched interesting facts about each one. Well done!





These siblings put on their special glasses to see the partial solar eclipse on Saturday. The sun looked like it had a bite taken out of it!

This boy enjoyed doing this term's science homework. He filled 3 containers with different materials cotton wool, tin foil and a microfibre cloth and left another container empty. Then he put an ice cube in each and put the lid on, then checked each pot every 10 minutes for an hour. After an hour, the ice cube with no material had completely melted, and the one in tin foil was very nearly melted. The ice in the cloth and cotton wool had melted a bit but there was still a fair bit left. Therefore, he concluded that the thicker materials were better at protecting the ice cubes from melting.





This boy was so excited to bring home the science whizz bag over the weekend. He enjoyed learning about white blood cells being in the bloodstream fighting off germs and had a great time finding metals things around the house to attach the magnets to. This boy really enjoyed the science pack! He had a great time learning about the human body and explorers, as well as exploring his surroundings in the park. He was also fascinated by the different kinds of paws, claws and wings.





This girl was given a special science kit to make some crystals. After mixing the crystal solution and pouring it in the different containers, she checked on them during the week and waited so patiently until the lovely crystals formed! This girl had lots of fun doing the science homework challenge - she chose 4 different materials for her ice cubes: a cloth, cotton wool, bubble wrap and foil. The control sample melted first (after 35 minutes), then the ice cubes wrapped in bubble wrap and foil. The ice cubes wrapped in the cloth had still not fully melted after 90 minutes when she had to leave for school!

She used bowls rather than containers with lids. She wonders if the results would have been different if she had used containers with lids?





Last term. Year 2 children learned about Florence Nightingale in school. A small group of children went and explored the Florence Nightingale Museum, which showcases artifacts like her famous lamp, personal letters, and 19th-century medical equipment. The museum features interactive exhibits on her work during the Crimean War, along with educational activities, historical reconstructions, and insights into her lasting impact on nursing and public health, all of which the children enjoyed discovering together.

This girl loved doing this term's science homework. She took four ice cubes and wrapped them in different materials: plastic bag, cling film, dry towel, and one left unwrapped as a control. They were placed in containers with lids. After 10 minutes, the unwrapped ice cube started to melt a little, while the ones in cling film, towel, and plastic bag showed no change. After an hour, the unwrapped ice cube had melted the most and became the smallest. The cling film cube melted the slowest and was the largest, followed by the towel-wrapped cube, which was the second largest. After 1.5 hours, the results stayed the same. The unwrapped cube was the smallest, the cling film one was still the biggest, and the towel cube was the second slowest to melt. Well done!





These girls had a fantastic time at the Peter Harrison Planetarium in Greenwich, where they explored the wonders of the Solar System. They also stood on the Prime Meridian Line, standing at the very place where east meets west - a day filled with wonder and learning. The trip was both educational and inspiring, sparking their curiosity to explore the universe further!





This boy visited the Hampstead Scientific Society Observatory over the half term holidays to view the night sky through a telescope. He managed to see Jupiter and four of its moons. It was also possible to see the cloud belts in Jupiter's atmosphere. He also saw Mars including the ice caps of Mars and learnt more astronomical facts from the astronomers helping out.

This girl created some crystals using glue, food colouring and salt, she was very excited to show what she had produced. Well done!





Lottie, our science doll, spent half-term with this girl, conducting exciting experiments. She observed dancing raisins in lemonade, created a volcanic reaction with vinegar and bicarbonate of soda, and explored diffusion with dissolving Skittles. She then visited the Science Museum with her friends, learning about sea life, electricity and rockets! During the half term break, this boy travelled to Ukraine and visited the Museum of Cosmonautics where he saw a lunar roving vehicle!





These siblings tried a balloon skewer experiment. They applied oil to the skewer which made it easier to insert it into the balloon. The polymer chains at the puncture site stretched and wrapped around the skewer, keeping the balloon intact and preventing it from popping. Well done! This girl really enjoyed making a bug hotel last weekend. Her family got a kit and she helped to build it using a hammer and nails and put the bamboo sticks and pine cones in for creatures to hide in. Well done!





This girl had so much fun with the science jigsaw, learning about the human body as she pieced it together. She also loved using a magnifying glass to search for bugs. On a separate trip to the military museum, she had a great time learning all about propulsion. This girl really enjoyed the Science Whizz Bag she took home. She completed the jigsaw puzzle on the human body all by herself and used the magnifying glass to take a closer look at how the body works. Well done!

