

# Newsletter 1

w/c 3 October 2022 - Issue 1

Curiosity with Science, Technology, Engineering, and Mathematics.



## Term topics this month -

Our children in STEM last week have been working hard engaged in World Space Week 2022 with various activities and The Great Big Green Week activities at the end of September.

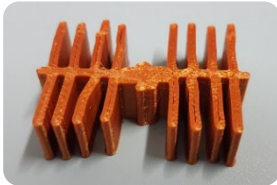
## Class Activities

The last couple of week sessions, all our children in STEM have been working really hard designing some amazing spaceship and rocket creations. They also 3D printed the ISS and lots of learning on 'Busy Things' and naming planets. Children enjoyed using the 3D pen to create around spaceships and satellite templates and drawings of Planets including Hour of Code Space Quest activities following instructions and learning how to code commands to astronauts to complete challenges. They worked on gravity simulators to explore how space junk orbits the Earth.



During the Great Big Green Week, the children enjoyed 3D printing their own Amazon rainforest designs, Ecosystems and using the 3D pen with all things green. They explored and worked hard using 'Tree World' to simulate a planet climate change and look after its wildlife and the environment. Children have been investigating biodegradable PLA plastic under the microscope and exploring green recyclable things.

## Showcasing Children's Work



ISS by Oscar



Rainforest 3D print by Juniper



3D pen



Space Rocket by Sam

## Word of the week in STEM - Space

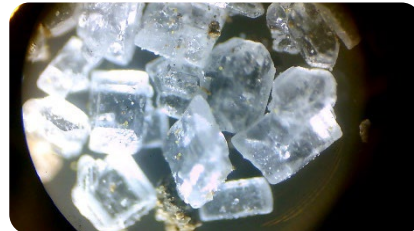
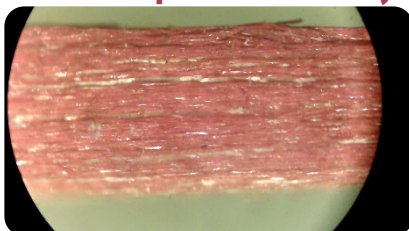
(Closing the Vocabulary Gap with Brackley STEM)

## What elements did we discover in Little Alchemy 2 last week?

### Small and Science

What is Little Alchemy? It is an online crafting tool used by the children. The goal is to combine the starting elements to discover new items and elements.

## Mystery Photos - Can you identify the mystery items under the microscope discovered by our children?



## Calendar of Events

The Big Draw festival through October 2022 is now running.

**Ada Lovelace Day** Tuesday 11 October 2022.

**World Food Day** Sunday 16 October 2022.

**October Half Term STEM Clubs** 24-31 October 2022 (INSET Day Monday 31 October 2022 for schools).

**Halloween** Monday 31 October 2022.

## Term Dates

24 - 31 October 2022 Half Term STEM Clubs - 9am-5pm.

Tuesday 1 November Term 2 - Open to Pupils.

16 December 2022 – Last day of Term 2.

19 - 23 December 2022 - Christmas STEM Clubs - 10am-4pm.

## In the News

What is The Big Draw? The Big Draw is the world's largest drawing festival, which takes place every October, and aims to get everyone drawing! The festival is made up of a collection of thousands of creative events in schools, school activities, and educational workshops across the UK run by organisations big and small.

## STEM in the News

On Wednesday 5 October during World Space Week, our STEM pupils had the amazing opportunity to watch a LIVE launch mission in the large hall screen of the SpaceX Crew-5 which transported four crew members to the International Space Station.