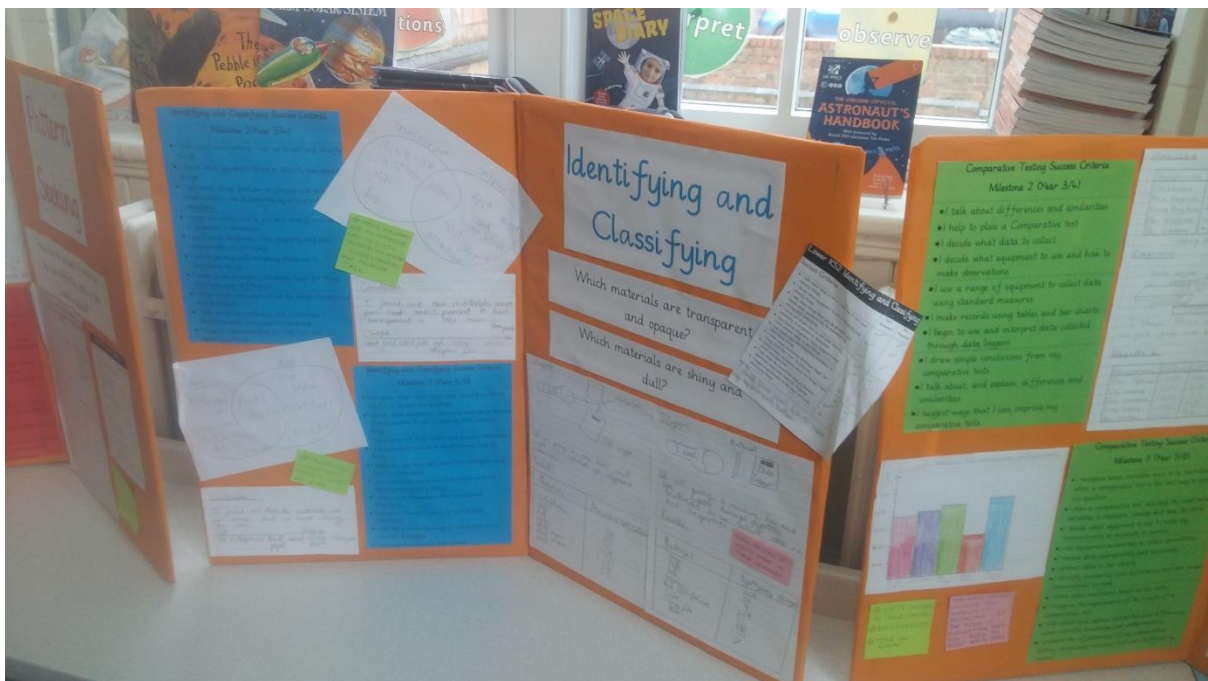
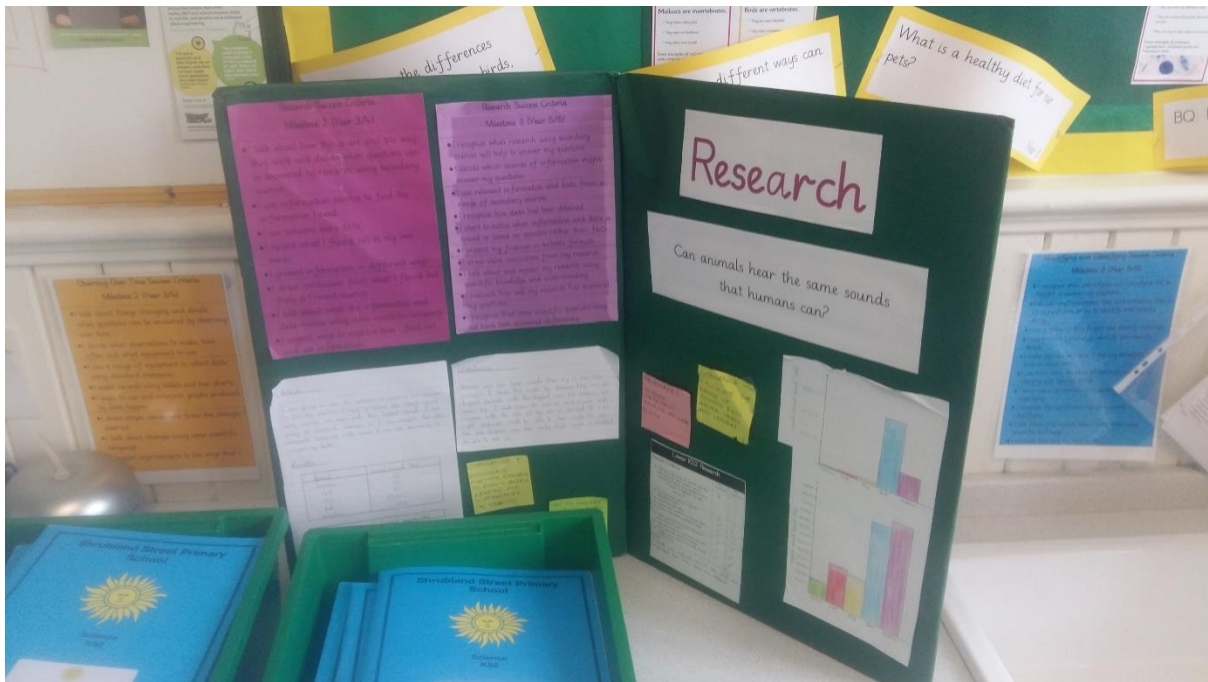
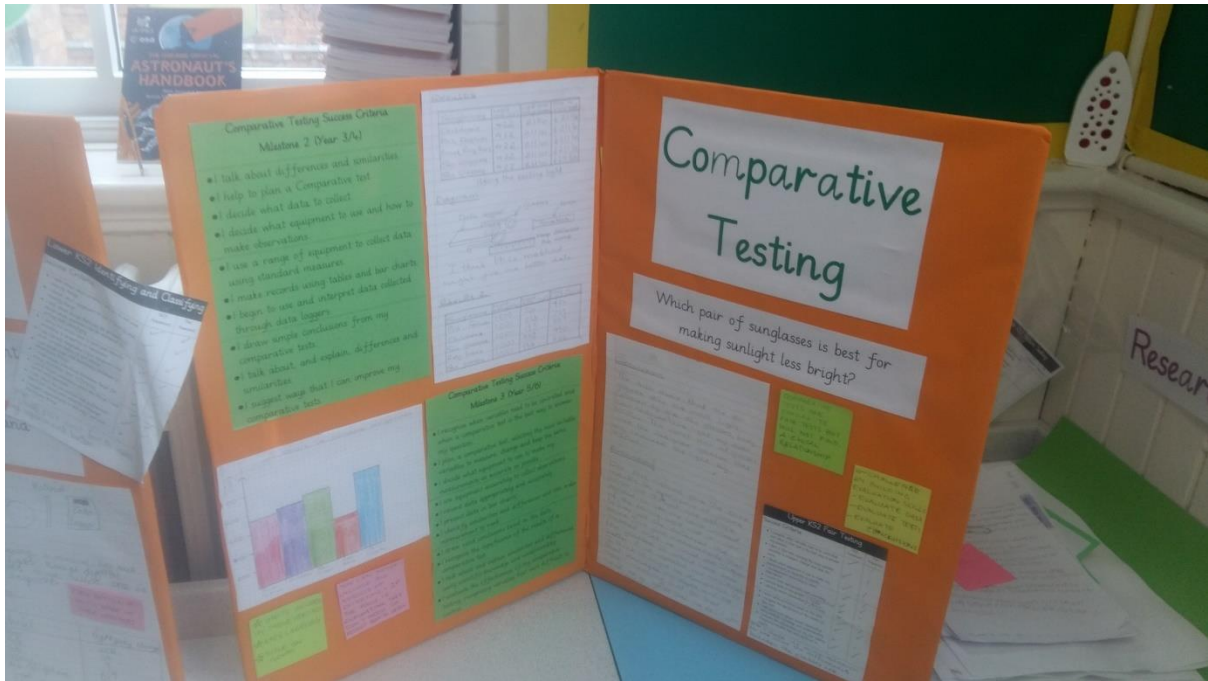


Dear Parents/ Guardians,

This term, St Hugh of Lincoln will be holding a Science Fair for KS1 and KS2 children. We would love your child to take part.

To enter your child must carry out a scientific investigation and the produce a presentation based on what they've done. They must include; their scientific question (e.g. which material conducts electricity the best?) a write up of what they did, plus graphs and tables to support their findings. The layout should be as below (or similar):





The children can also produce handouts or extras to go with their entry if they wish.

If your child would like to enter but is not sure what to do please see some suggested questions that they could investigate below:

#### Animals including humans

How does the length of time we exercise for affect our heart rate?

How does age affect a human's reaction time?

#### Plants

How does a seed change as it germinates?

Do some seeds grow more quickly than others?

#### Forces

How does the size of a parachute affect the time it takes to fall to the ground?

How do rockets work?

#### Earth and Space

What would humans have to do to be able to survive on Mars?

How does being in space for a long time effect the human body?

#### Materials

Which material will make the best black-out blinds/curtains?

Which are the best kitchen towels for mopping up spills?

Light

How do shadows change over a day?

Your child could decide to pick one of these questions to investigate, or they could come up with their own question to base their project on.

Alternatively, they could research a scientist and produce a display about their life and work. The scientist does not have to be famous and could be someone that your child knows.

**Entries need to be submitted by Monday 13<sup>th</sup> March. These will then be displayed for children in the school to view throughout the day on Tuesday 14<sup>th</sup> March. On the Friday of that week, parents are invited in after school to view the submitted entries from 3.15-3.30 in the school hall.**

There will be a winner from each year group that will be awarded in school. The overall KS2 winner and runners up will then be invited to the Xavier Science Fair Grand Final at The Royal Holloway University on Monday 27<sup>th</sup> March 2023!

I will be holding some lunchtime support sessions if children require any. Please see attached the help-sheet with further details.

We look forward to seeing their fantastic entries.

Kind Regards,

Mr Davies