



Cardinal Newman Catholic Primary School

Arch Road, Hersham, Surrey KT12 4QT

Telephone: (01932) 222536

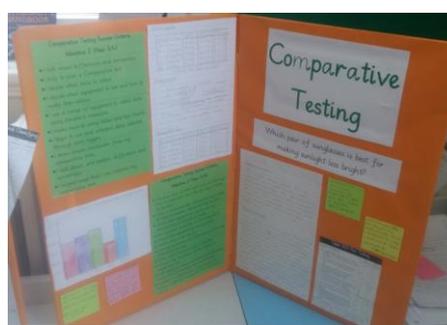
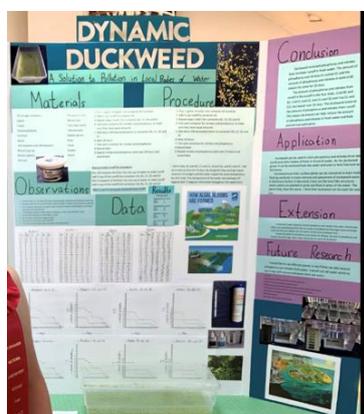
Headteacher: Mrs C Burnham



Dear Parents/ Guardians,

This term, Cardinal Newman will be holding a Science Fair. We would love your child to take part. They may work independently or with a partner.

To enter, your child must carry out a **scientific investigation and produce a presentation** based on what they have done. It must include a scientific question (e.g. which material conducts electricity the best?), a write up of what they did as well as 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?



Cardinal Newman Catholic Primary School

Arch Road, Hersham, Surrey KT12 4QT

Telephone: (01932) 222536

Headteacher: Mrs C Burnham



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?

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 ready to display at the Science Fair on **Monday 6th March**. Parents are invited to the fair from 2.45pm. The winner will be announced in a special assembly and will receive a trophy. The lucky winner and runners up will then be invited to the Xavier Science Fair Grand Final at The Royal Holloway University on Monday 27th March 2023!

We 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,



Cardinal Newman Catholic Primary School

Arch Road, Hersham, Surrey KT12 4QT

Telephone: (01932) 222536

Headteacher: Mrs C Burnham



Mr Carter

Science Lead

Introduction

Method

What happens to...

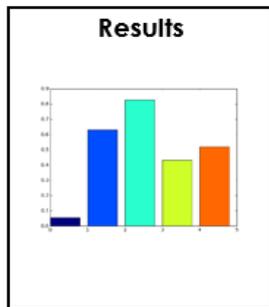
Photo or picture

Photo or picture

Photo or picture

Type of enquiry:

Drawing



How could it have been better?

Conclusions



Cardinal Newman Catholic Primary School

Arch Road, Hersham, Surrey KT12 4QT

Telephone: (01932) 222536

Headteacher: Mrs C Burnham



Criteria	Score out of 5 for each criteria
Planning Is there a clear introduction? Have they used a question? Is there a prediction?	
Investigative skills Is there a clear method? Is what they're measuring/observing/looking for clearly identified? Are there diagrams/pictures?	
Results Are there clear results? Have tables and graphs been correctly labelled? Have tables and graphs been correctly used?	
Conclusions? What have they found out? How could it be improved? Are there any patterns?	
Presentation Is it neatly written/typed? Is it eye-catching? Is it clearly laid out?	
Total Score	