



# Our Lady's Catholic High School



Friday, 27 May 2022

The theme for next week is Pentecost (John 7: 37 – 39)

'If any man is thirsty, let him come to me!'

The Spirit that the disciples receive at Pentecost is the same Spirit that we also receive at Baptism. When we listen to the Holy Spirit we are guided on the right path and instinctively know what is right and good. Wisdom, knowledge and understanding are just some of the gifts of the Holy Spirit and we are able to make good choices and guide others with these gifts. When we use these gifts wisely, we experience peace and joy – the fruits of the Spirit.

The Spirit comes to help us in our weakness. When we cannot choose words in order to pray, the Spirit expresses our plea in a way that could never be put into words. (Romans 8:26)

### **Come Holy Spirit.**

**Come, Holy Spirit, fill the hearts of your faithful, and enkindle in us the fire of your love. Send forth your Spirit and we shall be created, and you shall renew the face of the earth.  
Amen.**

### **MESSAGE FROM LANCASHIRE FIRE AND RESCUE SERVICE**

Dear parent/guardian,

Over the last two weeks, there have been a number of serious fires in Preston City Centre. You may have seen in the local news the fires at the old Odeon Cinema/Evoque nightclub and at the old orphanage on Mount Street. These fires have caused significant damage and disruption in Preston, and it is fortunate that no one has been injured. It has taken Lancashire Fire and Rescue Service's firefighters hundreds of hours to extinguish and involved numerous resources which reduces the available cover for response to further emergency incidents, putting further lives at risk. Following a joint police and fire investigation, the causes of these fires have been recorded as deliberate and 3 juveniles have been arrested and have been bailed pending further enquiries, a fourth juvenile was interviewed under caution and released pending further investigation. Over the school holidays, please make sure you know where your children are; if they are near other children or adults who are deliberately setting fire to property, they risk being seriously injured or prosecuted. If you think your child has developed a fascination with fire and may have exposed themselves or others to the risk, you can book a place for your child on the Fire Intervention Response Education Scheme (FIRES) by visiting our website:

<https://www.lancsfireandrescue.org.uk/education/secondary/>

Kind regards,

Group Manager Phil Jones  
Community Protection for Central Area  
Lancashire Fire and Rescue Service

### **UKMT MATHS CHALLENGE RESULTS**

Pupils in Year 8 class B1, B2, C1, C2 recently took part in the UKMT Junior maths challenge, a national problem-solving competition promoting mathematical reasoning, precision of thought and fluency of mathematical techniques. 31 of our students achieved a certificate based on their score:

**Bronze:** Elodie Rennie-Bloor, Maya Matwiszyn, Jack Lancaster, Sean Rodrigues, Eleanor Billingsley, Safiya Patel, Taylor Maughan, Zoha Saleh, Alice King, Sonny Jay Quayle, Isabelle Stringer, Chloe Turner, Madeline Hodgkinson, Teresa James, Lexie Eastham, Mollie Hanley, Matthew Lancaster-Brown, Aaron Connell, Muhammad Dasu, David Burovs, Joshua Barritt.

**Silver:** Larissa Earnshaw, Sebastian Helm, Maksymilian Fryzowski, Lydia Tucker, Elizabeth Pye, Sebastian Cookson, Owen Law.

**Gold:** James Pham-Whittle, Liam Kilby, Isabelle Potts (Best in school)

## **LANCASHIRE COUNTY ATHLETICS COMPETITION**

Congratulations to the following athletes who competed at the Lancashire County Athletics held at Stanley Park in Blackpool on Saturday, 14 and Sunday 15 May 2022:

- George Rainford
- Will Murray
- Aaron Connell
- Finley Murray

## **SCIENCE IN THE NEWS**

If you can tell your science teacher the answers to the questions you can earn a point

Electric vehicles need batteries which contain Cobalt, Lithium and Nickel all of which are in short supply. One company is using a special process to recover Nickel and other metals from old batteries. Read about it in the following article.

Question 1: What is the name of this process?

<https://www.bbc.co.uk/news/business-61148499>

### Podcast

Different musical instruments have to be able to produce the same musical notes (pitch) but they all sound very different. Listen to the Rutherford and Fry podcast to learn why this is.

Question 2: What physical characteristic determines the pitch of a musical note?

<https://www.bbc.co.uk/sounds/play/w3csz4fd>

### Video

A new crew has just departed for an extended mission to the International Space Station and they are going to carry out more than 200 scientific experiments. Watch the video and then answer the following question.

Question 3: In what scientific areas are these experiments going to be?

[https://www.bbc.co.uk/news/world-us-canada-61156746?ns\\_mchannel=social&ns\\_source=twitter&ns\\_campaign=bbc\\_live&ns\\_linkname=61156746%26US%20astronaut%20makes%20space%20station%20history%262022-04-27T19%3A45%3A05.000Z&ns\\_fee=0&pinned\\_post\\_locator=urn:bbc:cps:curie:asset:ff38edc9-fd52-4001-8f96-eddb00b32d63&pinned\\_post\\_asset\\_id=61156746&pinned\\_post\\_type=share](https://www.bbc.co.uk/news/world-us-canada-61156746?ns_mchannel=social&ns_source=twitter&ns_campaign=bbc_live&ns_linkname=61156746%26US%20astronaut%20makes%20space%20station%20history%262022-04-27T19%3A45%3A05.000Z&ns_fee=0&pinned_post_locator=urn:bbc:cps:curie:asset:ff38edc9-fd52-4001-8f96-eddb00b32d63&pinned_post_asset_id=61156746&pinned_post_type=share)

### Home Research

Marie Curie was a renowned female scientist who won Nobel prizes in both Physics and Chemistry. Arguably less well known is that her daughter, Irene Joliot-Curie, also won the Noble prize for Chemistry in 1935.

Question 4: As well as being a talented scientist, what other major success did Irene achieve?

### Dates to remember

Monday, 6 June – School opens

Thursday, 21 July – School closes for the Summer Holidays at 12.45 pm

Friday, 2 September – School opens for Year 7 and 11 only

Monday, 5 September – School opens for all pupils

Friday, 7 October – INSET day school closed for all pupils

Friday, 21 October – school closes for half-term at 3.30 pm

Monday, 31 October – school opens