



Our Lady's Catholic High School



A National Teaching School

Friday, 12 November 2021

The theme for next week is Remembrance. (John 15: 12-13)

My command is this: Love each other as I have loved you. Greater love has no one than this: to lay down one's life for one's friends.

This week we remember those who have given their lives in service to others in conflicts around the world and at home. Let us also remember those who have made huge sacrifices in their service to others, during the pandemic and those we have lost.

They shall grow not old, as we that are left grow old:

Age shall not weary them, nor the years condemn.

At the going down of the sun and in the morning

We will remember them.

Laurence Binyon (1869 – 1943)

CERTIFICATE PRESENTATION EVENING

On Thursday, 11 November our annual Certificate Evening for the Class of 2021 took place. The guest speaker was Dr Helen Stringfellow, past pupil, and Consultant Histopathologist at the Royal Preston Hospital. It was wonderful to see our pupils again and to celebrate their fantastic achievements.

ANTI-BULLYING WEEK

Next week is Anti-Bullying week. The theme is 'One Kind Word'. Pupils will be participating in several activities over the week to raise awareness. To mark the start of Anti-Bullying week we are supporting 'Odd Socks Day'. On Monday, 15 November pupils are being encouraged to wear odd socks, symbolizing our differences but also our unity against bullying. Please encourage your son/daughter to support this.

BEBRAS COMPUTING CHALLENGE – 8-19 NOVEMBER

Over the next 2 weeks all pupils in Key Stage 3 will be participating in the Bebras Challenge. The Bebras Computing Challenge introduces computational thinking to pupils. It is organised in over 50 countries and designed to get pupils all over the world excited about computing. Each participant answers questions that focus on computational and logical thinking. The aim of the challenge is to solve as many problems as they can in 40 minutes. There are 3 levels of difficulty, and these vary in points. Certificates and prizes will be awarded to each class. Good luck everyone! For more details see <https://www.bebbras.uk/>

KOOTH SESSIONS FOR FAMILIES

We have been asked to make parents aware of workshops which Kooth will be delivering. The sessions are aimed at all parents of young people between the ages of 10-16. These are free virtual zoom sessions. The workshop will help parents identify the signs and symptoms of stress with their children and simple ways to manage this. It will also give them an overview of what Kooth is and how it can help their family. If any parents are interested please contact Mrs Crosbie who has more details, her email address is jcr@olchs.lancs.sch.uk

NETBALL NEWS

Year 9 and 10 were in sporting action on Monday night at home against Ashton. 9A had a very fast paced and closely contested game. We were only 2-0 up at half time. The team managed to hold their nerve and stay calm and focused in the second half. Katy Brown and Maisie Batty were strong in defence and got numerous interceptions to gain possession back. Lucy Beesley got player of the match thanks to her excellent dodging ensuring she was always free to be passed to in attack. The final score finished 4-1 to Our Lady's.

Year 9B once again had to face another A team but they did not let this deter them. The game was tied at 1 all at half time. The second half was end to end as Ashton would score then we would equalize. Emily Woods shot brilliantly under pressure against a very tall and strong Ashton defence. The whole team never gave up and fought hard to win possession of the ball throughout. Consequently, they got a very deserved draw with the final score being 4 all. Player of the match went to Lucy Monaghan.

Year 10's winning streak has unfortunately come to an end. They were 4-0 down at half time after a slightly nervous performance in the first half. Following a few tactical changes, the girls started the second half a lot more positively. Holly Helm played brilliantly at Centre bringing the ball quickly down court. However, the four-goal lead initially built up by Ashton was too much to chase and the team lost 5-2. Players of the match went to Mariyah Mal and Erin Blackburn. The two girls defended tightly only allowing Ashton to score one goal in the second half.

SCIENCE IN THE NEWS

The successor to the Hubble telescope is on track for launch in mid December. Read about the James Webb Telescope and answer the following question:

Question 1: How long after launch will it take for the James Webb telescope to get to space?

<https://www.bbc.co.uk/news/science-environment-59201590>

Podcast

Listen to chemist Clare Grey talking about re-chargeable batteries and then answer the following question

Question 2: Current re-chargeable batteries use Lithium which has a limited supply. What alternative metal is being considered as a potential future material for batteries?

<https://www.bbc.co.uk/sounds/play/b09tdr0r>

Videos

X-Ray space telescopes can be used to study big events like the formation of black holes. Watch this video and then answer the following question:

Question 3: What marine animal has inspired the design of new telescopes?

<https://www.bbc.co.uk/news/av/science-environment-59141041>

Home Experiment

This week's home experiment investigates Archimedes Principle. You will need some aluminium foil, a ruler and a bowl of water.

https://www.sciencebuddies.org/science-fair-projects/project-ideas/Aero_p044/aerodynamics-hydrodynamics/archimedes-diameter-boat-sink#procedure

Question 4: When the aluminium ball is fully submerged but has not sunk to the bottom of the bowl, what can you say about the density of the ball in relation to the density of water?

Dates to remember

Thursday, 16 December – School closes for Christmas at 12.45 pm

Wednesday, 5 January – School opens for the Spring Term

Friday, 11 February – School closes for half-term

Tuesday, 22 February – School opens

Thursday, 28 April – Year 7 Normandy Trip