



12 February 2025

Dear Parent/Carer

Year 8 Jodrell Bank Discovery Centre Trip

The Science Department at Cardinal Newman Catholic High School has planned an educational trip to the Jodrell Bank Discovery Centre for your child in support of their study in physics, specifically space. The trip will be open for the whole year with a maximum of 60 places available. The trip will take place during the school day on **Friday 14th March 2025**.

For the trip to take place, we require a parental contribution of £22 per child. *If your child wishes to attend, but the cost would be a barrier to your child's participation, please contact me via the school office as we would not want any child to miss out due to financial constraints.* Deadline for this is Friday 7th March.

The Science of Jodrell Bank:

- Space Dome – students will watch a film, “We are Stars” in a wraparound cinema.
- Carry out experiments and have expert lead talks
- Students will observe first-hand the emission spectra of different materials and investigate the absorption lines from different stars, which demonstrates nucleosynthesis and stellar evolution. Students also learn about the Doppler shift and redshift. Through an interactive activity students deepen their understanding of how this is evidence for an expanding universe.

We will also have the opportunity to explore the Space Pavilion and Planet Pavilion exhibitions at the Discovery Centre on the day, as well as time allocated for lunch.

Students will be able to wear their own clothes for the visit and will be required to bring a packed lunch unless your child is entitled to free school meals, then the school will provide a packed lunch.

Please contact me at school via email: lco@cardinal-newman.co.uk should you have any further queries regarding the proposed trip.

Yours sincerely

Miss Corbitt
Teacher of Science