

Coláiste Ráth Tó

Ratoath College

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16th December 2022

RE: 6th Year LC Chemistry Revision Trip, NUI Maynooth, Thursday 12th Jan 2023

Dear parent(s)/guardian(s),

We are writing to notify you that 6th year Chemistry students will be travelling to NUI Maynooth, Co. Kildare on Thursday 12th of January 2022. The trip cost is €50 This is payable via Way2Pay. Students will be collected from the school at 8:00 am sharp. The lab sessions finish at 3.30. The aim is to be back at school for 4.15pm

The purpose of the trip is for our students to have the opportunity to visit state of the art laboratories to undertake a selection of Leaving Certificate Chemistry Practical's and to revise key components of the Leaving Cert Chemistry course. The students will be under the supervision of experienced Chemistry teachers and graduates who have been selected for their teaching and demonstrating abilities.

Topics covered are

- Recrystallization of benzoic acid and determination of its melting point
- Determination of the relative molecular mass of a volatile liquid
- Determination of the amount of iron in an iron tablet
- Preparation and properties of ethyne/ethene
- Preparation of soap
- demonstrations of:
 - Extraction of clove oil from cloves
 - The function and workings of a mass spectrometer, an atomic absorption spectrometer, gas chromatography and high-performance liquid chromatography.
 - Titration colour change
 - Properties of ethanoic acid/et

Students must have a signed permission slip in their Dialann giving consent for them to attend. Students must wear full school uniform and school coat. If students do not have the correct uniform on the day, they will not be allowed attend the trip.

All students must bring a pen, pencil, and a calculator. A workbook will be provided. Packed lunch is advised (optional).

Yours,

Mohammed Nissar BSc Hons Chemistry, PGCE Hons.

Chemistry Teacher
Ratoath College

Mol an Óige agus Tiocfaidh sí