

Fieldtrip: Killiney

Logistics The Killiney field course consists of a 1 hour lecture at the usual time in the morning followed by the excursion itself. Make your own way to Killiney in the afternoon and meet at the DART station at the time advised. The fieldtrip will last between 2–3 hours.

Clothing Wear stout footwear appropriate for walking on a rocky beach. The trip will not be cancelled in light or moderate rain, so bring a waterproof coat and also waterproof overtrousers if you have them. Make sure you bring enough jumpers to stay warm if the weather is cold and windy.

Safety The main danger is slipping on rocks on the beach. The fieldtrip is scheduled at low tide. Nevertheless, be aware that most of the beach is flooded at high water. There is a 15 minute walk from the first to the second stop along the coast road, and a similar walk to back to Dalkey or Killiney afterwards. There is no footpath in some places; mind the traffic.

Lecture The lecture will outline the aims of the fieldtrip and provides background information. The important points to look out for in the field will be stated in the lecture.

Aims

- Field context for some of the sedimentary, igneous and metamorphic rocks introduced in Practical 1
- Evidence for changes in Irish climate since the last ice age (Stop 3)
- Geological structures associated with intrusion of granite into sedimentary rocks (Stops 1 & 2)
- Improve observational skills

Field guide A field guide by Patrick Wyse Jackson (Geology Department, Trinity College) is attached to this handout. Make sure you read this guide after the lecture and before the fieldtrip. We will be visiting the outcrops in the following order: Stop 3, Stop 1, Stop 2.