# **Earth Games Programme**

# **(Event Programme Subject to Change)**

The Geography and Geology team would like to introduce our first Earth Games event. This competition is aimed at AS Level Geography, Geology and Earth Science students who plan to progress to A Level. The Olympiad will test Geo-knowledge and skills whilst giving a taste of studying at undergraduate level. Planned activities are linked to the Geography and Geology A/AS Level syllabus, to build on Year 12 through to Year 13 and each will include a short introductory piece. These include:

**River channel change:** In this activity, teams will use satellite imagery to map channel change during recent decades in an active river channel. Marks will be awarded for accuracy in mapping.

**Climate Change Indicators:** In this activity, teams will make use of our biological microscopes to identify pollen grains, which are used to reconstruct past vegetation and infer past climatic conditions. Marks will be awarded for the most accurate identification and assessment of climatic conditions.

**Rock, Minerals and Fossils identification:** In this activity, the teams will test their identification skills using hand specimens and images of minerals and fossils. The hand-specimen identification is an essential step to understand geological processes. The practical will introduce geological descriptions in a fun way. Marks will be awarded for the fastest and most accurate identifications.

**Hazard Planning:** In this activity you will be responsible for designing a town that will be resilient to a named hazard. Where will you place your residential areas? Where should your hospital be? What infrastructure can you put in place? Marks will be awarded for the most resilient planned town.

**Programme**

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| **Time** | **Activity** |
| 9:45am | Arrival and Welcome |
| 10:00am | Competition activities |
| 11:30am | Lunch |
| 12:10pm | Competition activities |
| 1:30pm | Campus Tour with current students |
| 2:00pm | Results and Prize Giving |

For more information and to book places, please contact [educationliaison@edgehill.ac.uk](mailto:educationliaison@edgehill.ac.uk) or call 01695 584388.