



The Geological Society

South West Regional Group

Schools Geo-hazard Workshop and Schools Competitions 2015

Wednesday 11th March 2015

Key Stage 3/4 Competition

1st Prize – £100 of
Vouchers

2nd Prize – £50 of
Vouchers

3rd Prize - £30 of
Vouchers

Key Stage 5 Competition

1st Prize - £100 of
Vouchers

2nd Prize - £50 of
Vouchers

3rd Prize - £30 of
Vouchers

Programme – locations to be confirmed.

Arrival and registration from 2:15 pm - Tours of the Plymouth University Campus can be arranged if you plan to arrive earlier.
Workshop 2:45 – 3:45 pm - Dr Paul Cole. Volcanic Hazards associated with Mount Merapi (Indonesia).

Dr Cole will run a workshop appropriate for Key Stage 5 students investigating volcanic hazards, how these can be mapped and how local communities can be engaged with risk mitigation strategies.

Keynote Talk 4:00 – 5:00 pm– Professor Iain Stewart

“Un-natural Hazards: the human ecology of geological disasters”

5:00 – 5:30 pm - Break and poster session for viewing of key stage 3/4 competition entries and key stage 5 posters.

5:30 – 6:00 pm Presentations from key stage 5 entrants.

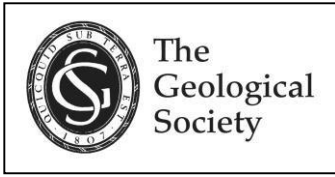
6:00 – 7:00 pm Key Stage 5 quiz

7:00 pm close.

Please register your interest via email to Gordon Neighbour
(gneighbour@tggsacademy.org)

We will ask for confirmation of interest by 13th February 2015.

“A condition of participation in the workshop is that the students are expected to take part in the competition – they can of course just enter the competition if they so wish.”

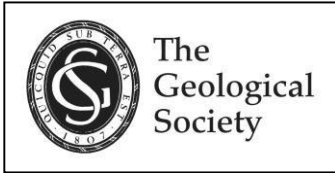


South-West Regional Group Schools Geology Competition 2015

The South West Regional Group of the Geological Society would like to invite schools to participate in their “School’s Geology Competition 2015”. (There are two separate competitions – one for key stages 3 / 4 and one for key stage 5).

The key stage 3 / 4 competition is suitable for students studying geography and/or sciences which contain a significant amount of Geology/Geoscience.

The key stage 5 competition is open to schools teaching Advance level Science (Biology / Chemistry / Physics), Advanced level Geology **OR** Advanced level Geography. However, schools not offering Advanced level Geology must take into account that they will need to undertake as part of the competition a quiz based on knowledge equivalent to that expected in the two Advanced level Geology courses currently offered (OCR and WJEC Examination boards).



South-West Regional Group Schools Geology Competition 2015

Key Stage 3 / 4 Competition – “Significant people, places or events in Geoscience” – design a poster (up to A1 in size) based on a significant event in the development of the science of Geology. This can be any person, place or event which has been involved in helping scientists understand our planet.

This may be the breakthrough in our understanding of Plate Tectonics in the 1960's...

...It could be the discovery of Tyrannosaurus rex by Barnum Brown in 1902...

..the impact of fracking...

Or the eruption of Mount St Helens in 1980...

Please feel free to contact Gordon Neighbour (SWRG Schools Liaison) if you have any questions

Notes for Entrants – Key Stage 3 / 4 Competition

1. The competition is open to all schools in Cornwall, Devon, Dorset and Somerset who fit the criteria noted above.
2. This can be a team effort. Teams can be up to 5 participants.
3. Each team will need to submit to Gordon Neighbour (South-West Regional Group Schools Liaison) their choice of subject. These should be emailed to gneighbour@tggsacademy.org
4. The posters need to be no larger than A1 size and suitable for display on the evening of the SWRG Schools Geology Competition Evening. It would be appreciated if students were able to attend the evening to discuss their poster presentation.
5. The competition will be judged by members of the Geological Society (SWRG) on the evening of the final of the SWRG Schools Geology Competition, whose decision will be final. 7. Confirmation of entries should be emailed to arrive by 4th March 2015 to gneighbour@tggsacademy.org

All entries will be displayed at the SWRG Schools Geology Competition Evening on 11th March 2015 at Plymouth University.



South-West Regional Group Schools Geology Competition 2015

Key Stage 5 Competition – this will be in three parts:

- [a]. A poster (up to A1 in size) based on a topic of the groups choice or from those listed below;
- [b]. A 5 minute presentation on the topic of the poster;
- [c]. A quiz with questions written by members of the University of Plymouth (School of Geography, Earth and Environmental Sciences).

The south west regional group will host the final of the Key Stage 5 Schools Competition 2015 at Plymouth University on 11th March 2015.
Please submit an expression of interest in participating in the competition to Mr Gordon Neighbour FGS at gneighbour@tggsacademy.org

Possible topics for the Key Stage 5 Competition

- [1]. "The Solnhofen deposit is the most significant palaeontological resource for our understanding of the development of life in the Mesozoic period."
- [2]. "We will never be able to predict Geological Hazard effectively."
- [3]. "*Tyrannosaurus rex* – predator or scavenger?"
- [4]. "Is the potential threat of Yellowstone overplayed in the media?"
- [5]. "Professor Sir Richard Owen – hero or villain?"
- [6]. "Is there a future for mining in south west England?"
- [7]. "The evolution of plants has had the most significant impact on the development of life on Earth."
- [8]. "What is the future for planet Earth?"
- [9]. "What is the future for plate tectonics?"
- [10]. "Mass extinctions – which has been the most significant?"
- [11]. "What significance has Geoscience research in the Polar Regions had on our understanding of the planet?"
- [12]. "How did William Buckland help us develop our understanding of the Geosciences?"

The list of topics above are only possible suggestions – if you want to discuss the topic of your entry please email Gordon Neighbour (gneighbour@tggsacademy.org)

Key Stage 5 Competition continued...

Notes for Entrants – Key Stage 5 Competition

1. The competition is open to all schools in Cornwall, Devon, Dorset and Somerset who fit the criteria above.
2. Teams may consist of up to six students from each school, with only 4 for the quiz section of the competition.
3. The competition will be judged by 5 independent judges whose decision will be final.
4. The regional competition will be split into three sections
[a]. A poster (up to A1 in size) based on one of the topics;
[b]. A 5 minute presentation on the topic of the poster;
[c]. A quiz with questions written by members of the University of Plymouth (Department of Geography, Earth and Environmental Sciences).
5. Each school to enter a poster that will be judged at the SWRG competition by the judges, prior to the student's presentation, on the evening of the competition. Each judge to be able to allocate up to 10 points to each school based on how convincing the poster is in responding to the chosen topic. Poster to comprise c25% of the available marks.
6. Each school to make a presentation to the judges and audience, using the same topic that they completed their poster on.
7. Presentations to be no more than 5 minutes each. Judging to be based on presentation (10 points per judge) and content (10 points per judge). Presentations to comprise c50% of the available marks.
8. The questions in the quiz round will be geologically based and will total c25% of the available marks.
9. The winning school to be that with the highest overall score.
10. The winning school will be expected to represent the South West Regional Group at the National Schools Geology Competition which will be held in April 2015 at the Geological Society, Burlington House, Piccadilly, London.

(The winning school may take advice from Regional Competition judges on how their presentations could be improved for the National competition).