

**Earth Science Teachers' Association**  
**Annual Course and Conference – 'Geology comes to town'**  
**28<sup>th</sup> - 30<sup>th</sup> September 2018**  
**The Geological Society of London**



Earth Science Teachers' Association  
[www.esta-uk.net](http://www.esta-uk.net)  
 Registered Charity No. 1005331



The Geological Society

*-serving science, profession & society*

<b>Friday 28<sup>th</sup> September</b>						
1.00 onwards	<b>Registration</b> - tea and coffee					
2.00	<b>Tour of GSL and the William Smith and Greenough maps</b> – Sarah Day, <i>GSL</i>					
3.00 – 5.30		<b>EduQAS and OCR CPD</b> Feedback on first AS examinations and practical endorsement monitoring			<b>Building stones walk around Piccadilly</b> <i>Dr Ruth Siddall, University College London</i>	
6.00 – 6.10	<b>Welcome by Professor Nick Rogers, <i>GSL President</i></b>					
6.10 – 7.00	Drinks reception and Buffet Supper					
7.00 – 7.45	<b>Keynote presentation: 'Geology of Crossrail and the Thames Tideway'</b> <i>Dr Jackie Skipper, Geotechnical Consulting Group</i>					
<b>Saturday 29<sup>th</sup> September</b>						
8.15 – 9.00	<b>Registration</b> - tea and coffee					
9.00 – 12.30	<b>Options</b>					
9.00 – 09:45	<b>1</b>	<b>Supervolcanoes;- stress and the city</b> <i>Dr Marc Reichow</i> <i>University of Leicester</i>	<b>2</b>	<b>'Triumph and Disaster - the effective use of case-studies in ground engineering'</b> <i>David Shilston</i> Atkins Fellow and Technical Director – Engineering Geology	<b>3</b>	<b>Field Studies Council - Getting the most out of A-level fieldwork</b> <i>James Margeson</i> <i>Tutor, Field Studies Council</i>
09:45 – 10:30	<b>4</b>	<b>The hydrogeological highs and lows of London's water supply</b> <i>Dr Mike Jones</i> <i>Thames Water Utilities Ltd</i>	<b>5</b>	<b>Lego seismometer Make it and take it home</b> <i>Dr Paul Denton, BGS</i>	<b>6</b>	<b>Teaching Bowen's Reaction Series</b> <i>Dr Ruth Richards</i> <i>Nottingham Trent University</i>
10.30 – 11.00	Tea and coffee					
11.00 – 11.45	<b>7</b>	<b>The real value of microfossils</b> <i>Dr Haydon Bailey</i> <i>Network Stratigraphic</i>	<b>8</b>	<b>Lego seismometer Make it and take it home</b> <i>Dr Paul Denton, BGS</i>	<b>9</b>	<b>Maths in A-level geology</b> <i>Dan Boatright,</i> <i>ESTA Chair</i>
11:45 – 12:30	<b>10</b>	<b>Geology, geomaterials and heritage buildings</b> <i>Dr Ian Sims and</i> <i>Dr Jennifer Murgatroyd,</i> <i>RSK</i>	<b>11</b>	<b>Microfossil workshop</b> <i>Mike McKnight,</i> <i>University of Birmingham</i>	<b>12</b>	<b>Exploration game</b> <i>Pete Loader,</i> <i>Past ESTA Chair and</i> <i>Earth Science Educator</i>
12.30 – 1.30	Lunch					
1.30 – 2.15	<b>Keynote lecture:</b> <b>Lagerstatten: exceptionally preserved fossils – windows on the evolution of life.</b> <i>Professor David Siveter, Emeritus Professor of Palaeontology, University of Leicester</i>					
2.15 – 2.35	<b>ESTA EGM and AGM</b>					
2.35 – 2.50	Tea and coffee					
2.50 – 5.30	<b>Bring and Share</b> <i>Chris King, Emeritus Professor of Earth Science Education,</i> <i>Keele University</i>					
7:00 – 10:30	<b>Conference Dinner at Caffé Concerto, Whitehall (15 minutes' walk)</b> Arrival from 6.30pm					
	**Owing to the central London location this year transport is not being provided during the conference, therefore it will be your responsibility to arrange and use your own/public transport .**					

**Sunday 30<sup>th</sup> September**  
**Field visits**

**We are mindful that most people will have bags to carry,  
and are investigating places to store them near each venue.**

<b>1</b>	<p><b>The Crystal Palace Dinosaurs</b></p> <p><i>Leader: Naomi Stevenson, @GreenGeology</i></p> <p><b>Afternoon suggestion:</b> <i>Short train ride to Forest Hill. Lunch at The Big Breakfast then a visit to the Horniman Museum.</i></p>
<b>2</b>	<p><b>The Geology of the area around the Natural History Museum</b></p> <p><i>Leader: Mike Howgate, Geologist and London Blue Badge Guide</i></p> <p><b>Afternoon suggestion:</b> <i>Lunch at one of the many eateries in the area then a self-guided, queue-free visit to the Natural History Museum.</i></p>
<b>3</b>	<p><b>London Geodiversity Partnership - This has now been updated and still tbc</b></p> <p><i>Leader: Dr Jackie Skipper, Geotechnical Consulting Group and Shawn Sismondi, Tideway Central</i></p> <p><b>Tbc:-</b> <i>Tideway visit to Blackfrairs to look at the cofferdams and a presentation on the site and geology, tunnelling etc. Also hoping to see a Borehole kept on sight</i></p> <p><i>Timing: tbc</i></p>
<b>4</b>	<p><b>A London Walk - The Lost Waters of Islington: From Farringdon Station (Crossrail) to Sadlers Wells.</b></p> <p><i>Leader: Diana Clements, author of the GA Guide to London.</i></p> <p><b>Afternoon suggestion:</b> <i>Local lunch, then a self-guided look at two new buildings at Angel.</i> <i>Urban geology in London No 3</i> <a href="http://www.ucl.ac.uk/~ucfbrxs/Homepage/walks/Angel.pdf">http://www.ucl.ac.uk/~ucfbrxs/Homepage/walks/Angel.pdf</a></p>

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arrange and use and your own/public transport to get to the field visit starting location.

Conference Website page for further information and updates  
<http://www.esta-uk.net/conference.htm>