



# AGTA/GTA NSW's 2017 GEOGRAPHY SKILLS ROADSHOW



**SYDNEY: Thursday 21 September 2017 – Novotel, Sydney Olympic Park**

**NEWCASTLE: Friday 22 September 2017 – Crowne Plaza Hotel**

**COST: Members \$240 Non-Members \$260. REGISTRATION: [CLICK HERE](#)**

The 2017 AGTA/GTA NSW Geography Skills Roadshow will focus on the tools and skills mandated by the new NSW Geography Syllabus Years K–10. AGTA, in association with the Geography Teachers Association of New South Wales (GTA NSW), has developed a professional learning program that guides teachers to a more advanced understanding of the tools and skills central to Geography's inquiry-based methodology. This is a hands-on professional learning experience. Participants will be actively engaged in a series of activities that develop key understandings and competencies.

The program below has been designed into three streams:

- Geography Skills for secondary teachers new to teaching geography – who have little, if any, academic background in the subject.
- Geography Skills for experienced secondary geography teachers – with an increasing focus on using ICT
- Geography Skills specifically designed to meet the needs of Primary teachers.

The Presenters include:

**Grant Kleeman** is one of Australia's leading geography educators. He has been closely involved in curriculum development at a state and national level for more than 25 years. Grant has written more than 40 Geography textbooks and numerous peer-reviewed articles. He is the Immediate Past Chair of AGTA and recently retired as Director, Teacher Education at Macquarie University–Sydney. In 2007, Grant was awarded the McDonald Holmes Medal for his 'Distinguished contribution to Geographical Education in Australia'. Grant was the Project Coordinator of *Geography Skills Unlocked* and author of the highly successful Cambridge University Press series of topographic mapping texts.

**Rebecca Nicholas** of Contour Education is Head of Humanities at Brisbane State High School. She is a highly experienced innovative Geography teacher who has always had a keen interest in incorporating technologies in the Geography classroom. Rebecca was a member of the Advisory Board for the development of the Australian Geography Curriculum and was a contributor to GeogSpace.

**Lorraine Chaffer** has taught in a variety of schools for the Department of Education where she held the positions of Head Teacher Social Science, Head Teacher Administration and Head Teacher Teaching and Learning. Lorraine was also invited to be a member of the NSW Consultation Committee on new Australian Curriculum re Geography in NSW. Her commitment to Geography Education is exemplified by her long term involvement in the Geography Teachers Association NSW as councilor, Vice-President and the newly elected President for 2017.

In her role as co-editor and editor of the *Geography Bulletin* Lorraine is committed to providing current, relevant and practical information for teachers and students. Lorraine's contribution to the *Geography Bulletin* has been prolific.

**Sharon McLean** is a graduate of Sydney University, has taught History and Geography in a variety of educational contexts. Most recently, Sharon was Head of Geography at Sydney's Saint Ignatius' College. During her teaching career, Sharon was the Convener of the NSW Catholic Trial Examination Committee and also a member of the Geography Teachers Council. Sharon is a recipient of the Geography Teachers Association Brock Rowe Award for Teaching and the NSW Professional Teachers' Council award for services to Geography. Sharon is currently a Vice-President of GTA NSW. Sharon works closely with Primary teachers throughout NSW to facilitate the introduction of Geography P–6.

**Susan Caldis** is an experienced Geography educator who places great emphasis on the role of fieldwork and inquiry-based methodologies in bringing Geography to life for her students and colleagues. After leading the development of the Australian Curriculum: Geography at ACARA, Susan returned to a Head Teacher HSIE position and then transitioned in to convening and teaching Geography Methodology and HSIE Education units at Macquarie University. In June 2017, Susan was awarded a university scholarship to commence her doctoral studies. Susan received the PTCNSW Outstanding Professional Service Award in 2015.

**Session details over the page...**

# GEOGRAPHY SKILLS ROADSHOW PROGRAM

SESSION	GEOGRAPHY SKILLS FOR TEACHERS NEW TO THE TEACHING OF GEOGRAPHY	GEOGRAPHY SKILLS FOR EXPERIENCED GEOGRAPHY TEACHERS	PRIMARY TEACHERS
8.30am	REGISTRATION		
9.00am – 9.15am	<b>Geography's tools and skills:</b> An overview of the relationship between Geography's tools and skills and the subject's inquiry based methodology. [Grant Kleeman]		
9.15am – 10.00am	<b>Topographic mapping skills:</b> In this session participants examine the role of maps in the Geography classroom. It includes an examination of the types of maps used, elements of maps, map symbols, direction, scale and distance, grid and area references, and latitude and longitude. [Grant Kleeman & Lorraine Chaffer]	<b>ICT-based tools and skills:</b> This session introduces participants to entry-level geospatial technologies. [Rebecca Nicholas]	<b>Fieldwork:</b> This session explores the role of fieldwork with specific links to the NSW Geography Syllabus K–6. The practical component of the workshop demonstrates key fieldwork strategies suitable for students in K–6. There is a special focus on ICT-based fieldwork tools. Finally, we examine the role of virtual fieldwork technologies and approaches. [Susan Caldis]
10.00am	MORNING BREAK		
10.30am – 12noon	<p><b>Topographic mapping skills (continued):</b> In this session we focus on working with topographic maps. Skills addressed include: locating features; representing topography; relief and gradient; measuring distance and area; cross-sections; and transects. [Grant Kleeman &amp; Lorraine Chaffer]</p> <p><b>Weather and climate:</b> In this part of the late morning session we focus on the interpretation of weather maps and climate graphs. [Grant Kleeman]</p> <p><b>Working with photographs:</b> Ground and aerial photography. Creating digital images and photo sketches. [Lorraine Chaffer]</p> <p><b>Specialist maps:</b> In the early afternoon session participants will work with choropleth maps, isoline maps, proportional symbol maps, cartograms and flowline maps. [Lorraine Chaffer]</p>	<p><b>ICT-based tools and skills (continued):</b> In this session participants examine the range of pedagogies used to develop students' mastery of Geography's tools and skills. We go beyond the basics to explore the range of web-based applications and resources used in classrooms to engage students and enhance their understanding of the key geographical concepts. [Rebecca Nicholas]</p>	<p><b>Geographical inquiry:</b> This section introduces participants to the stages of an inquiry in Geography – observing, questioning and planning; collecting, recording, evaluating and representing; interpreting, analysing and concluding; communicating; reflecting and responding; and organising data in an inquiry. [Sharon McLean]</p> <p><b>Maps and mapping:</b> In this session participants examine the role of maps in the Geography classroom. The session includes: an examination of the types of maps used; elements of maps; map symbols; direction; scale and distance; grid and area references; and latitude and longitude. [Sharon McLean]</p>
12.30pm	LUNCH		
1.15pm – 2.00pm	<p><b>Working with diagrams:</b> In this final session participants engage with the range of diagrams typically used to communicate geographical processes. [Grant Kleeman]</p> <p>Working with statistics and graphs: In this session participants examine the role of bar charts, multiple bar charts, divergent bar charts, histograms, line graphs, multiple line graphs, cumulative line graphs, proportional graphs, scatter graphs, ternary graphs and infographics. [Grant Kleeman]</p>	<p><b>Fieldwork:</b> This session explores the role of fieldwork with specific links to the NSW Geography Syllabus – Years 7–10. The practical component of the workshop demonstrates key fieldwork strategies suitable for students in Years 7–12. There is a special focus on ICT-based fieldwork tools. Finally, we examine the role of virtual fieldwork technologies and approaches. [Rebecca Nicholas]</p>	<p><b>Weather and climate:</b> In this part of the early afternoon session we focus on the interpretation of weather maps and climate graphs. [Sharon McLean]</p>
2.00pm	AFTERNOON BREAK		
2.15pm – 3.00pm	<p><b>Fieldwork:</b> This session looks at the role of fieldwork in Geography with specific links to the new NSW Geography syllabus. The practical component of the workshop demonstrates key fieldwork strategies suitable for students in Years 7–10. [Susan Caldis]</p>	<p><b>ICT-based tools and skills:</b> In this session we focus on the use of social media in the Geography classroom. Fifty strategies and counting! [Rebecca Nicholas]</p>	<p><b>ICT-based tools and skills:</b> This session introduces participants to the range of ICT-based tools that can be used in the Primary classroom. The tools examined include entry level geospatial technologies, the applications of GIS; the internet and social media. [Sharon McLean]</p>