



GTAQ Conference 2012 – Geography in the 21st Century

Fieldwork Program for Friday 27th July

There are four fieldwork options available on Friday 27th July. The cost for the field trip is \$35 per person, and \$20 for pre-service teachers. All field trips will provide lunch and resources to take back to the classroom. They are also designed for both primary and secondary teachers.

Specific details and a more detailed itinerary will be provided to the delegates who sign up for the field trips.

Field Trip 1 - Managing Changing Sea Levels in Redcliffe – 9:00am – 3:00pm

Coordinator: David Lergessner, Lecturer at QUT

The fieldtrip will include various stops around Redcliffe that show basic coastal erosion processes, the measuring and responses to these coastal erosion processes and potential issues as sea levels change in Redcliffe. Be prepared to walk part of the way, to get wet and muddy but to find a useful fieldwork site close to Brisbane. There will be a morning tea stop and lunch provided. Participants will need to make their own way to the Sandgate Railway Station by 9am, where they will be picked up by a charter bus. The bus will return to Sandgate Railway Station by 3pm.

Field Trip 2 – Toohey Forest Field Day – 8:00 – 4:00pm

Coordinator: Melanie Davis, Toohey Forest Environmental Education Centre Teacher

Participants are to meet at the Toohey Forest Environmental Education Centre at 8:00am. The staff at the Environmental Education Centre will provide an overview of what Environmental Education is and the aims of the centre. Following this, the fieldwork will look at various options available for students at Toohey Forest, including Human Impact on Toohey Forest, Freshwater Program and Design for Sustainable Living Program. Each option will include various skills and activities including QR Codes, GPS, water testing and using iPads in the field. Morning tea and a hot lunch will be provided.

Field Trip 3 – Spatial Technologies in the Real World – 9:00 – 3:30pm

Coordinator: Mick Law, Contour Education

This field trip is designed for those teachers who are using spatial technologies in the classroom and who are interested in seeing real-world applications of these amazing geographic tools. We aim to visit geospatial technology labs at the University of Queensland, as well as visiting the Landcentre in Woolloongabba, as well as a private spatial firm in the city. . Each visit will involve some hands-on professional development as well as an informative session from our hosts. Participants are to meet at the University of Queensland at 9:00am and will finish up in the Brisbane CBD at 3:30pm. Morning tea and lunch, as well as transport will be covered in the cost.

Field Trip 4 – Connecting Culture to the Australian Curriculum through Fieldwork – 8:30am – 4:15pm

Coordinator: Chris Audley, Second Nature Asia Pacific

Are you looking for meaningful and interesting ways to engage your students in units on cultural education? Second Nature Asia Pacific offers Primary and Secondary teachers a fantastic opportunity to participate in a cultural education presentation and field trip program! The day starts with an interactive presentation based on South-east Asian, Aboriginal and Torres Strait Islander culture. It is accompanied by a museum-quality collection of authentic tribal artefacts from these regions, arranged in categories. It also explores the movement of people through Asia, Australia and the Pacific, and how and why the artefacts were created. It has been designed specifically to support the Indigenous Australian and South-east Asian units in the National Curriculum, however can also support units on artefacts and cultures outside this area.

The second part of our day takes us on a field trip to Burleigh Headland National Park via private bus. During this field trip, we will take you on an insightful interpretive walk around the headland, focusing on local Aboriginal culture through Dreamtime Stories, physical evidence, bush tucker and artefacts. We will enjoy some local bush foods (native bee honey, finger limes etc.) and learn about the little known aboriginal fish-trap, Jabreen's fingers and shell midden's. All this, whilst passing through some of Australia's most spectacular natural environments – coastal pandanus, littoral rainforest, dry rainforest and eucalypt forest. Each participant receives a free book on 'The History of Burleigh Heads' (by Robert Longhurst).

Participants are to meet at the Royal Geographic Society of Queensland (RGSQ) offices at Milton to begin at 8:30am. The field trip will return to RGSQ at 4:15pm. Morning tea, lunch and transport will be provided. Please note that there is limited parking available at RGSQ, however the Milton train station is directly across the road.

GTAQ Conference Dinner

Attendees for the GTAQ Conference Dinner in 2012 will meet at Brisbane's inner city recreational area, Southbank at 6:00pm. If you thought that you would just turn up and eat though, you would be wrong. To get your dinner you will have to work for it! After a short introduction to using handheld GPS units (don't worry, we'll print out instructions too!), you will embark on a very short walking tour through some of South Brisbane's more interesting and, of course, geographical sights. At the end of the journey will be a wonderful meal, wine and a room full of geographers!

Dinner will cost approximately \$30 not including drinks. Please bring payment on the night. More detail will be provided once registrations are finalised.

Conference Program for Saturday 28th July

Registration - 8:00 – 8:30am

Conference Opening and Welcome to Country – 8:30am – 8:55am

Session 1 – 9:00-10:00am

Session 1.1	Session 1.2	Session 1.3	Session 1.4	Session 1.5	Session 1.6	Session 1.7
Useful Web 2.0 Tools in Secondary Geography Mick Law, Contour Education Junior Secondary, Senior, ICT	Discovering Geography with Jacaranda's myWorldAtlas John Raiti, Jacaranda Junior Secondary, Senior, ICT	Geographies of Community Resilience, Response and Recovery to Natural Hazards Dr. Iraphne Childs and Dr. Peter Hastings, University of Queensland Senior Geography	Water and the World for Secondary Teachers Shane Albertson, Global Learning Centre Junior Secondary	Working with the Australian Curriculum: Geography Malcolm McInerney, AGTA Chair Australian Curriculum	Geography and the Creative Arts to Enable Intercultural Understanding Ruth Reynolds and Sue Lane, University of Newcastle Primary	Aboriginal and Torres Strait Islander Perspectives and the Geography Curriculum Dr Joy Kennedy, Australian Catholic University Australian Curriculum

Morning Tea – 10-10:30am

Keynote Presentations – 10:30-12:00pm

Geography in the 21st Century – Role of Spatial Information in Response to Queensland’s Natural Disasters

Steve Jacoby, General Manager, Spatial Information, Department of Natural Resources and Mines (QLD)



DNRM’s Spatial Information Group (SIG) played a lead role in response to the recent Queensland natural disasters through the coordination and provision of aerial imagery, flood mapping and on-line access to critical spatial information. This data has been used by many key agencies including Emergency Management Queensland, Australian Defence Force, Queensland Reconstruction Authority, Flood Commission of Inquiry, Bureau of Meteorology, local, state and federal agencies, non-government organisations, the Insurance Council of Australia as well as the public. This presentation will explain the critical role spatial information played in the response to the recent disasters in Queensland and how we plan to deploy it in future events. These examples highlight the importance and value an understanding of Geography has to effective communication and decision-making by both providers and consumers of geographic information.

Steve Jacoby commenced his career in the Victorian Lands Department as a trainee drafting officer and went on to lead its Land Information Group for 7 years. His formal qualifications include a Bachelor of Applied Science (RMIT), and a Masters degree in Surveying Science (UniMelb). Relocating to Queensland in 2003 as Chief Information Officer for Natural Resources and Water, Steve is the Chair of QSIC and the State’s representative on ANZLIC – the Spatial Information Council. Responsible for key components of the State Government’s spatial information infrastructure, in 2011 he received Queensland’s Spatial Eminence and Excellence award.

Through the eyes of young observers – Geographers imagine, image and create futures

Margaret Robertson, Professor of Education at the University of La Trobe



How many times have we paused to consider what it is that goes on in the online worlds of young people? Should we just see their behaviour (and ours) as being that other world – be it Facebook, twitter, digital games or ‘research’ – or should we be aligning our teaching approaches with the realities of ever on networked spaces? If we take the latter approach and get networked in our teaching then what of the other world of real world spaces, real time and real people living their everyday lives. In truth geographers are in the ‘box seat’ to blend the new with the old. We can use the ever changing and expanding array of ‘apps’ and explore understandings of the world around us in ways that are dynamic and with opportunities to model alternative futures – all within the constructs of geography, its standards and its traditions. It’s the best time to be a geographer and we have a new curriculum that reflects the challenges of our times. Remember to look out the window!

Margaret Robertson is Professor of Education at the University of La Trobe. Margaret is a former Research Director for the Faculty and currently holds the position of Deputy Chair of the Australian Academy of Science’s National Committee for Geography. Her long association with the International Geographical Union has included serving an eight year period as Executive Secretary for the Geographical Education Commission. Her research and

publication interests focus on cultural geography particularly young people's geographies and applications of social media and digital technologies. Margaret has been recognised for her contributions to education with a Fellowship of the Australian College of Educators.

Session 2 – 12:05-1:05pm

Session 2.1	Session 2.2	Session 2.3	Session 2.4	Session 2.5	Session 2.6	Session 2.7
<p>Floodlines: a living memory</p> <p>Samantha Harrington McFeeter, State Library of Queensland</p> <p>Junior Secondary, Senior, ICT</p>	<p>Find out why you want your kids to have their phones out in class</p> <p>Mark Camman and Mike Railton, Maleny State High School</p> <p>Junior Secondary, ICT</p>	<p>Conflicts in Planning Policy and Practice in Queensland</p> <p>Mellini Sloan, QUT</p> <p>Senior</p>	<p>On the Road to Extinction – Boosting interest in Geography</p> <p>Chris Audley, Second Nature</p> <p>Junior Secondary</p>	<p>Implementing the Australian Curriculum: Geography in Junior Secondary</p> <p>Bruce Galletly, The Cathedral School and Lucie Sorensen, QSA</p> <p>Geography Pedagogy</p>	<p>Water and the Earth for Primary Teachers</p> <p>Shane Albertson, Global Learning Centre</p> <p>Primary</p>	<p>Exploring the Asia Priority in the Australian Curriculum: Geography F-10 (For Secondary Teachers)</p> <p>Deborah Henderson, QUT</p> <p>Australian Curriculum</p>

Lunch – 1:05-2:00pm

Session 3 – 2:00-3:00pm

Session 3.1	Session 3.2	Session 3.3	Session 3.4	Session 3.5	Session 3.6	Session 3.7
<p>Collection and Interpretation of Remotely Sensed Image Data</p> <p>Dr Kasper Johansen, University of Queensland</p> <p>Senior, Junior Secondary, ICT</p>	<p>Teaching the Geography of Water in the Middle Years (6-9)</p> <p>Mary Rowland and Mick Law, Department of Natural Resources and Mines</p> <p>Primary, Junior Secondary, ICT</p>	<p>Contemporary trends in Australian Internal Migration: 2000 to 2010</p> <p>Dr Elin Charles-Edwards, University of Queensland</p> <p>Senior</p>	<p>Big Ideas in the Australian Curriculum: Geography</p> <p>Mark Easton, Oxford University Press</p> <p>Junior Secondary</p>	<p>Implementing the Australian Curriculum: Geography in Junior Secondary</p> <p>Bruce Galletly, The Cathedral School and Lucie Sorensen, QSA</p> <p>Geography Pedagogy</p>	<p>Exploring the Asia Priority in the Australian Curriculum: Geography F-10 (For Primary Teachers)</p> <p>Deborah Henderson, QUT</p> <p>Primary</p>	<p>Working with the Australian Curriculum: Geography</p> <p>Malcolm McInerney, AGTA Chair</p> <p>Australian Curriculum</p>

Session 4 – 3:05-4:00pm

Session 4.1	Session 4.2	Session 4.3	Session 4.4	Session 4.5	Session 4.6	Session 4.7
<p>How to Use Excel in Geography</p> <p>David Lergessner, QUT</p> <p>Senior, Junior Secondary,</p>	<p>Find out why you want your kids to have their phones out in class</p> <p>Mark Camman and Mike Railton, Maleny State High School</p> <p>Junior Secondary, ICT</p>	<p>Senior Assessment Tasks in Geography</p> <p>Jo McDonald, Varsity College and Jackie Dunk, Queensland Studies Authority</p> <p>Senior Geography</p>	<p>How to Organise Fieldwork using the Environmental Education Centres</p> <p>Representatives from the Environmental Education Centres</p> <p>Junior Secondary, Senior</p>	<p>Thinking Geographically</p> <p>Malcolm McInerney, AGTA Chair</p> <p>Geography Pedagogy</p>	<p>Spatial Technologies for Primary Teachers</p> <p>Mick Law, Contour Education</p> <p>Primary</p>	<p>Sustainability across the Curriculum</p> <p>Cam Mackenzie, DET</p> <p>Australian Curriculum</p>

Keynote Presentation – 4:00-4:45pm**Geography and School Performance*****Dr Judy Smeed, Senior Lecturer, Queensland University of Technology***

In her address, Dr Smeed will focus on the importance of Geography in a school performance agenda. The links between QCS, Common Curriculum Elements, and school performance will be discussed and suggestions made about the contribution Geography can make in this current environment of high-stakes accountability.

Dr Judy Smeed is Geography Teacher and senior lecturer in Education at the Queensland University of Technology. She has an extensive consultancy in which she works with primary, secondary and P-12 schools in the strategic, school performance, leadership and curriculum areas. Her expertise is in school performance, specifically, analysing and interpreting educational data and establishing student tracking procedures. Her work also involves auditing/validating school curriculum and offering strategic advice on leadership, curriculum change and direction. As a senior lecturer in QUT's Faculty of Education, Dr Smeed coordinates units which focus on using educational data. QUT is the only University in Australia which offers such an under-graduate subject. Her research focuses on controlled rapid approaches to curriculum change, accountability, leadership and school performance. She delivers professional development throughout the state which assists teachers in curriculum change and understanding, interpreting and using educational data.

Conference Drinks and Prize Draws– 4:45pm - 5:45pm

A number of prizes have been donated for participants of the conference. These prizes will be drawn and presented at the conference drinks. You must be there to win!

Overview of Sessions

Session 1 – 9:00-10:00am

Session 1.1 – Useful Web 2.0 Tools in Secondary Geography, Mick Law, Contour Education

The range of digital tools seems to be growing exponentially every day. Mick aims to cut through the digital noise and highlight some ICTs that can help make classroom teaching more efficient, enjoyable and relevant for the students and teacher. From free online storage, to on-screen video recording and old maps online, there will be plenty of resources to take away for review. All resources demonstrated will be freely available (or at very minimal cost) and teachers will be able to access resources online at their leisure.

Session 1.2 - Discovering Geography with Jacaranda's myWorldAtlas, John Raiti, Jacaranda

Would you like your geography students to be excited about the world they live in? With Jacaranda's myWorldAtlas, students can explore more than 150 exotic locations and world defining events through interactive maps, the latest data and stunning footage from National Geographic and the ABC. Plus teachers can challenge their students with over 1000 interactive questions with instant feedback and a dashboard providing real time results from the assessment of 50 of the most important geographical skills. Join us in a hands-on session for your chance to explore a digital Atlas that is truly out of this world!

Session 1.3 - Geographies of Community Resilience, Response and Recovery to Natural Hazards, Dr. Iraphne Childs and Dr. Peter Hastings, University of Queensland

The contemporary management of natural hazards promotes building community resilience through risk management and comprehensive attention to prevention, preparedness, response and recovery. Achieving adequate planning for possible disasters requires identifying and understanding the geographical attributes, both physical and social, that may contribute to the resilience and/or vulnerability of places to such events. Subsequent disaster and community planning can then be strategically applied to enhance resilience. Referring to recent events, this session will workshop the geography of community vulnerability and resilience to disasters, identify the links to strategic response and recovery, and discuss how resilience can be built during these operational phases.

Session 1.4 - Water and the World for Secondary Teachers, Shane Albertson, Global Learning Centre

Water is the world's most precious resource. This session presented by the Global Education Project's (GEP) will explore its latest secondary resource, 'Water and the World'. This 35 page classroom ready resource allows students to investigate the role water plays in the world along with the impacts to the millions of people around the world who suffer from water insecurity. This session will demonstrate teaching activities from the resource together with other Global

Education Project resources. All participants will receive a FREE copy of 'Water and the World' along with other Global Education Project resources as part of the session.

Session 1.5 - Working with the Australian Curriculum: Geography, Malcolm McInerney, AGTA Chair

In this workshop, Malcolm McInerney, AGTA Chair and member of the Australian Curriculum: Geography ACARA Advisory Panel will provide an update of the processes impacting on the Australian Curriculum: Geography, progress to date on developing the curriculum, discuss the draft curriculum and outline possible changes to the draft in response to feedback. Malcolm will also lead discussion on ways schools can prepare to meet the challenges of teaching the new geography curriculum when published. As part of this discussion the workshop will explore the areas of the Australian Curriculum: Geography that will provide a challenge in terms of new content, pedagogy and technology capacity for experienced and non-experienced geography teachers.

Session 1.6 - Geography and the Creative Arts to Enable Intercultural Understanding, Ruth Reynolds and Sue Lane, University of Newcastle

In an attempt to develop tolerance and acceptance of other cultural groups, educators from the University of Newcastle worked with members of the local African community and teachers from a local school to develop a Creative Arts and Geography program for school children aged 7–9 years. This session demonstrates aspects of the program, building on research evidence of how attitudes and global geographical knowledge are intertwined, together with researcher belief about the value of teaching Creative Arts to engage students in their learning.

Session 1.7 – Aboriginal and Torres Strait Islander Perspectives and the Geography Curriculum, Dr. Joy Kennedy, Australian Catholic University

This workshop will provide an overview of the Aboriginal and Torres Strait Islander cross curriculum priority and its development in the Australian curriculum process. She will also provide some links to the Australian Geography Draft curriculum.

Session 2 – 12:05-1:05pm

Session 2.1 – Floodlines: A Living Memory, Samantha Harrington McFeeter, State Library of Queensland

This session will provide teachers with information on 'Floodlines', an exhibition at the State Library of Queensland. Through stories, exhibitions and events, *Floodlines* shares your contemporary and historical memories of Queensland's floods — making sense of the past and celebrating the spirit of recovery. As we recover, remember, reflect and rebuild, *Floodlines: a living memory* pays tribute to the resilience and community spirit of Queenslanders, in the face of devastating natural disasters of the summer of 2010–11. Samantha will also show teachers the Floodlines the Augmented Reflections app, our learning notes, and information for school excursions to the exhibition. She will also demonstrate how to search the catalogue and databases for geography-specific resources.

Session 2.2 - Find out why you want your kids to have their phones out in class, Mark Camman and Mike Railton, Maleny State High School

Don't you hate it when the students know more about technology than you do? Get in early and show your students you really are a tech savvy teacher by learning about QR scan codes. With the rapid adoption of smartphones by students, use this to your advantage by making the device a most useful tool in your geography classes. This workshop will introduce you to the world of smartphones and how a mobile phone can be used not just as a GPS and calculator but also as a scanning device. The workshop will show participants how to create and read scan codes to enhance their lessons both in the class and in the field. Participants should bring along a smartphone (not mandatory) and USB drive to copy electronic versions of handouts.

Session 2.3 - Conflicts in Planning Policy and Practice in Queensland, Mellini Sloan, QUT

This session will focus on emerging conflicts in planning policy and practice in Queensland, presenting several case studies as potential starting points for investigation through in-class dialogues and extended student projects. Cases presented will range from cascading impacts of insertion of new transport routes in Brisbane's inner suburbs to ongoing dialogues surrounding development in coastal high hazard zones throughout the state to shifting roles of planners in disaster mitigation and response in Far North Queensland to conflicts arising as Brisbane transitions to a 24 hour economy. Teaching materials, as well as links to relevant policies and external resources, will be provided.

Session 2.4 - On the Road to Extinction – Boosting interest in Geography, Chris Audley, Second Nature

Student interest in geography has experienced a slow decline over the past decade. This decline is now intensifying; where some schools no longer have senior geography classes. As the choice of subjects available to students increases, each department must become creative and resourceful in enrolling students into subjects. To boost numbers in geography, SOSE and Humanities departments need to start operating as a business – with effective marketing, enticements and strategic planning the cornerstone of the business model. This workshop is designed to provide teachers with practical tools and innovative ideas to increase enrolment and participation in geography.

Session 2.5 - Implementing the Australian Curriculum: Geography in Junior Secondary, Bruce Galletly, The Cathedral School and Lucie Sorensen, QSA

The Melbourne Declaration describes 21st Century students as confident, creative learners who are active and informed citizens. The study of geography certainly delivers these outcomes. This session will provide suggestions on how to deliver and assess the Australian Curriculum: Geography, particularly focusing on framing geographical knowledge and understanding and geographical inquiry and skills in terms of the cross-curricular priorities and general capabilities.

Session 2.6 - Water and the Earth for Primary Teachers, Shane Albertson, Global Learning Centre

Water is the world's most precious resource. This session presented by the Global Education Project's (GEP) will explore its latest primary resource, 'Water and the Earth'. This 32 page classroom ready resource allows students to investigate the role water plays in the world along with the impacts to the millions of people around the world who suffer from water insecurity. This session will demonstrate teaching activities from the resource together with other Global Education Project resources. All participants will receive a FREE copy of 'Water and the Earth' along with other Global Education Project resources as part of the session.

Session 2.7 - Exploring the Asia Priority in the Australian Curriculum: Geography F-10, (For Secondary Teachers). Deborah Henderson, QUT

In this workshop, participants will explore three aspects of the Asia Priority. These include the rationale for the Studies of Asia in the first national curriculum. The different emphasises and potential synergies of the Cross Curricular Priority: Asia and Australia's engagement with Asia, and the General capability: Intercultural understanding will be unpacked via small group activities. Finally, some strategies for the ways in which the Asia priority can be developed in units of work for the junior secondary classroom will be explored.

Session 3 – 2:00-3:00pm

Session 3.1 - Collection and Interpretation of Remotely Sensed Image Data, Dr Kasper Johansen, University of Queensland

This presentation will introduce some of the latest innovations in remote sensing and image data collection, emphasizing why this area of Geography is becoming more important for students to learn more about. Two short case studies on image interpretation will be presented, each followed by a suggested study exercise suitable for incorporation into the teaching of Geography at high school level. The exercises will focus on (1) spatial scale considerations when integrating field and image data; and (2) image feature identification using interpretation cues.

Session 3.2 - Teaching the Geography of Water in the Middle Years (6-9), Mary Rowland and Mick Law, Department of Natural Resources and Mines

The teaching of water has been given greater emphasis with the Australian Curriculum: Geography highlighting the importance of water in the middle years (year 7 in the draft curriculum). In this session Mary and Mick from the Department of Natural Resources and Mines (DNRM) will share some of the DNRM teaching strategies and resources to help geography teachers in the middle years effectively teach about water. A range of resources developed by DNRM will be showcased as well as resources prepared by other agencies to suit students in the middle years. All resources are suitable for use in the Australian Curriculum: Geography draft. Participants will also receive some water education resources to take back to school and access to digital resources.

Session 3.3 - Contemporary trends in Australian Internal Migration: 2000 to 2010, Dr Elin Charles-Edwards, University of Queensland

This workshop will explore key trends in internal migration in Australia over the past decade, with a particular focus on Queensland. Topics to be covered include shifts in the intensity of internal migration in Australia over the past decade, changing patterns of interstate migration, key trends in inter-regional migration (Treechange or Sponge Cities?) and to explore the temporary mobility in Australia as a substitute for permanent migration. This session will have links to the 'Sustaining Communities' unit in the Senior Geography syllabus.

Session 3.4 - Big Ideas in the Australian Curriculum: Geography, Mark Easton, Oxford University Press

Are you worried that your favourite topics have become an endangered species? Or that the vital skills that make geography have melted away? As leading author of the upcoming Oxford Big Ideas Geography Australian Curriculum series, Mark has spent many hours picking over the draft curriculum and he believes he has found the missing topics and skills, along with many other new opportunities. He will share with you an approach to teaching and learning geography that embeds the key skills in the key concepts of the subject.

Session 3.5 - Implementing the Australian Curriculum: Geography in Junior Secondary, Bruce Galletly, The Cathedral School and Lucie Sorensen, QSA
Repeat of Session 2.5

Session 3.6 - Exploring the Asia Priority in the Australian Curriculum: Geography F-10 (For Primary Teachers), Deborah Henderson, QUT

In this workshop, participants will explore three aspects of the Asia Priority. These include the rationale for the Studies of Asia in the first national curriculum. The different emphasises and potential synergies of the Cross Curricular Priority: Asia and Australia's engagement with Asia, and the General capability: Intercultural understanding will be unpacked via small group activities. Finally, some strategies for the ways in which the Asia priority can be developed in units of work for the primary classroom will be explored.

Session 3.7 - Working with the Australian Curriculum: Geography, Malcolm McInerney, AGTA Chair
Repeat of Session 1.5

Session 4 – 3:00-4:00pm

Session 4.1 - How to Use Excel in Geography, David Lergessner, QUT

Drawing and interpreting graphs are an important part of the Geography teacher's armory. At QUT, pre-service teachers are taught how to draw graphs from scratch using graph paper, working out scales and providing their own BOLTSS-type finish. They are also taught how to use the Microsoft program Excel to draw graphs ranging from simple bar graphs to climate graphs to population profiles. In the time available, this session will look at bar graphs and population profiles.

Session 4.2 - Find out why you want your kids to have their phones out in class, Mark Camman and Mike Railton, Maleny State High School

Repeat of Session 2.2

Session 4.3 - Senior Assessment Tasks in Geography, Jo McDonald, Varsity College and Jackie Dunk, Queensland Studies Authority

In this session, Jo and Jackie will provide a brief overview of the assessment items in the Queensland Senior Geography Syllabus. Exemplars and tips will be provided on writing a good stimulus response task, a practical, a field report and a short response test.

Session 4.4 - How to Organise Fieldwork using the Environmental Education Centres, Representatives from the Environmental Education Centres

Representatives from Toohey Forest, Brisbane Urban and Moreton Bay Environmental Education Centres (EECs) will explain 'How to organise fieldwork'. An overview will be given of the role EECs can play in fieldwork, what EECs have to offer in terms of primary / secondary programs, their links with the Australian Curriculum / QSA and the facilities and resources available. Toohey Forest programs focus on natural systems and resources, scientific field skills and specialist equipment. Brisbane Urban programs explore the social and built environments, extensively utilising ICT / media technologies. Moreton Bay specialises in marine and historical studies. All programs provide innovative, practical, hands on, deep learning experiences that build on students' knowledge and engages them in further exploration.

Session 4.5 - Thinking Geographically, Malcolm McInerney, AGTA Chair

The workshop examines the question of what it means to think geographically. With the Australian Curriculum: Geography to be taught in many Australian schools by non-geography teachers, the issue of what it means to think geography will need to be explored during professional learning activities in coming years. Through the use of the Australian Curriculum: Geography concepts and a range of thinkpieces, the workshop will develop with participants a model of geographical thinking, which identifies the teaching of geography as a unique experience, quite different to the thinking in other disciplines.

Session 4.6 - Spatial Technologies for Primary Teachers, Mick Law, Contour Education

The inclusion of spatial technologies in the Australian Curriculum: Geography needn't be seen as a problem for primary teachers, rather an opportunity to transform the way you teach geography. Most teachers don't know that there are plentiful resources freely available online that can be used to help incorporate spatial technologies into their day-to-day teaching. Mick will demonstrate the best resources in a hands-on lab. All resources demonstrated will be freely available for teachers to access online at their leisure.

Session 4.7 - Sustainability across the Curriculum, Cam Mackenzie, DET

This session will provide an overview of the Sustainability Cross curriculum priority. In particular, Cam will look at the framework for sustainability education and how this was used to develop the cross curriculum priority. He will make links to the Draft Australian Geography curriculum that was published in February.

Presenter Biographies

Shane Albertson

Shane Albertson is the Coordinator and Education Officer of the Global Learning Centre, a not-for-profit community organisation situated in Brisbane. He started his teaching career as a SOSE teacher at Trinity Bay State High School in Cairns before returning to take a teaching position at Sheldon College in Brisbane's east. Over his seven years at Sheldon College Shane was promoted to the positions of Year level Coordinator and Humanities/Business Teaching and Learning Leader. Since joining the Global Learning Centre in 2010 Shane has continued to work as a part-time teacher taking positions within Education Queensland schools. Recently Shane was employed by QUT as a sessional lecturer and tutor for two education courses within the School of Culture and Language Studies at Kelvin Grove.

Chris Audley

Christopher Audley is a sustainable tourism, environmental education and community engagement consultant for Second Nature Asia Pacific Pty Ltd. Christopher has a background in Environmental Science, Environmental Education, Conservation Biology and Ecotourism. In 2005, he completed a Masters in Environmental Education at Macquarie University and has since worked extensively in the education industry. He also has an Undergraduate in Environmental Science from Griffith University (Gold Coast) and a second Undergraduate in Business Management with Honours in Tourism Management and Development. Christopher is an avid conservationist and has been involved in many projects around the world using sustainable tourism and environmental education as a tool for conservation.

Mark Camman and Mike Railton

Mark Camman and Mike Railton also known geographically as the Dodgy Brothers, joined together at Maleny SHS in 1989 to fight the forces of evil (the Science Department). They are competing to see who is the dodgiest – Mark the HOD Social Science or Mike the Senior Geography teacher. Mike and Mark first came to the attention of the authorities through their work in telelearning in the early nineties. They then took the world of GIS by storm presenting the aptly named *GIS for Idiots by Idiots* workshops for GTAQ as well as fieldwork workshops for RGSQ in Noosa and Lamington National Park. During their most recent release from custody they helped the RGSQ run the *Geography Big Week Out* at Noosa for the Australian winners of the Australian Geography Competition.

Dr. Elin Charles-Edwards

Dr Elin Charles-Edwards is an Post-doctoral Research Fellow in the School of Geography, Planning and Environmental Management at the University of Queensland. Her research focuses on 'Comparing internal migration in countries around the world: measures, theories and policy dimensions' (ARC

Discovery Project). She also has active research interests in other areas of demography, including patterns and impacts of temporary population mobility and the estimation of service populations.

Dr. Iraphne Childs

Dr. Iraphne Childs teaches and researches in Human, Asian and Hazard geography in the School of Geography, Planning and Environmental Management at UQ. Dr. Childs was previously Senior Lecturer in Geography at QUT where she directed the Geography program. She has held teaching and research positions at the East-West Center in Hawaii and in Japan.

Melanie Davis

Melanie Davis is an Environmental Educator. She currently develops and delivers program at Toohey Forest.

Jackie Dunk

Jackie Dunk has been a Senior Education Officer with the QSA for the past three years. Prior to joining QSA Jackie was a state panellist and district panel chair. She is an experienced Geography teacher, having taught in both Queensland and Victoria. She is also a committee member of GTAQ.

Mark Easton

Mark has taught Geography, History and English for over 20 years and during the last 15 years has been a contributing author to many geography, humanities and atlas titles. In 2010 he joined Oxford as a geography consultant to work on a range of titles and to support the use of these resources in the classroom. Mark continues to teach geography part-time at St Margaret's School and to develop exciting new classroom resources for Oxford University Press.

Bruce Galletly

Bruce Galletly is Head of Humanities at The Cathedral School of St Anne and St James in Townsville and chair of the Townsville District Geography Panel. He has taught geography in Queensland schools for over 20 years and understands the challenges facing teachers in terms of providing quality assessment tasks, accessing relevant resources, developing units of work to meet syllabus requirements and keeping up to date with the latest technologies. The Cathedral School was an intensive engagement school for the draft Australian Curriculum: Geography in years 8-10 and Bruce is currently one of the writers of the senior Australian Curriculum: Geography which is due for release at the end of this year. He believes that the development of Australian Curriculum is exciting and will not be too difficult for Queensland geography teachers to implement.

Samantha Harrington-McFeeter

Samantha is the Learning Client Coordinator at the State Library of Queensland.

Dr Peter Hastings

Dr Peter Hastings is a geographer who has taught and researched the area of natural hazards and disasters at the Queensland University of Technology, the University of Queensland and Bond University. His interests focus on disaster management at the local/community scale, including the problems faced by local governments in applying disaster policy and the development of “community-based” disaster management.

Deborah Henderson

Dr Deborah Henderson is an Associate Professor in the Faculty of Education at QUT where she lectures in history curriculum and in social education curriculum. Her transdisciplinary research interests include, fostering values, cross-cultural understanding and critical inquiry in the history and social education curriculum; politics and policy making for Asia literacy; teacher leadership and professional development. Deborah has published widely on why the Studies of Asia should be included in the curriculum.

Dr Kasper Johansen

Dr Kasper Johansen is currently working as a UQ Research Fellow in AusCover, which is one of the main facilities of the government funded Terrestrial Ecosystem Research Network (TERN). Working for the AusCover Facility as the Scientific Coordinator, Dr Johansen’s main responsibilities have been to plan and coordinate 10 intensive field and airborne hyper-spectral and LiDAR data collection campaign for selected biomes in Australia to facilitate calibration and validation of national biophysical time-series map products. Dr Kasper Johansen’s primary contribution between 2003 and 2009 has been the development of operational approaches for riparian zone mapping and monitoring in different Australian environments using high spatial resolution image and LiDAR data. These mapping and monitoring approaches have been adopted by several Australian state government agencies as a tool for replacing more conventional and time-consuming field based methods. Dr Johansen has developed specialised techniques for geographic object-based image analysis and innovative approaches for integrating field survey data of biophysical variables with high spatial resolution image data. Dr Johansen is the author of 18 peer-reviewed journal articles and book chapters.

Dr Joy Kennedy

Dr Joy Kennedy is a lecturer in the School of Education at the Australian Catholic University. She lectures students in Indigenous Cultures and People at the university.

Sue Lane

Sue Lane lectures and researches at the University of Newcastle in Primary Creative Arts Education and is an active member of the Orff Schulwerk (Music and Movement Education) Association of New South Wales. She is completing her PhD studies on barriers to effective teaching of Creative Arts in primary schools.

Mick Law

Mick has taught at a number of Queensland secondary schools and has worked with dozens more in his role with Contour Education. Mick is passionate about Geography and has developed a number of resources in using ICTs in the Geography classroom. He is currently a committee member on GTAQ.

David Lergessner

David Lergessner is Lecturer in Geography at QUT Kelvin Grove. David was a high school Geography teacher at Redcliffe and Deception Bay Highs for over 30 years. Since retiring from teaching David has lectured at Griffith University and is now full-time Lecturer in Geography in the Cultural and Language Studies Faculty at Kelvin Grove..

Jo MacDonald

Jo MacDonald is Head of the Social Science Department at Varsity College on the Gold Coast. She is the chair of the Geography State Panel and a member of the Assessment Moderation and Certification Committee at the QSA. Jo has extensive knowledge and experience in externally moderated school based assessment.

Cam Mackenzie

Cam was appointed the principal of the Bunyaville EEC with Education Queensland in 1991 until 2005. He is currently the Principal Advisor - Environmental Sustainability for the Department of Education and Training. This role includes the development and management of the Queensland Environmentally Sustainable Schools Initiative. Since 2003 Cam has represented Education Queensland on the National Environmental Education Network, National Environmental Education Council and also the Australian representative on the international Environment and School Initiatives network. Cam is also a member of the United Nations Commission for Sustainable Development Education Caucus.

Malcolm McInerney

Malcolm has been a teacher in South Australian Education Department schools since 1976. Malcolm considers humanities education is critical in the school curriculum and has been heavily involved in the teaching and promotion of geography over the years. Malcolm has a keen interest in the use of geographical information systems in schools and has developed a range of teaching resources for the use of ICT in geography. Presently he is the Chair of the Australian Geography Teachers' Association (AGTA), a member of the ACARA Australian Curriculum: Geography Advisory Group and teaches at Thebarton Senior College in Adelaide.

John Raiti

John Raiti is the Customer Development Manager at Jacaranda. He works closely with teachers with integrating Jacaranda's digital learning resources into effective teaching practices. John joined as a digital publisher at Jacaranda in 2008. Prior to joining Jacaranda, John was a teacher and eLearning Coordinator at a large Brisbane school. www.johnraiti.com.

Dr Ruth Reynolds

Ruth Reynolds is a Senior Lecturer at the University of Newcastle, focusing on primary pedagogy and curriculum in Studies of Society and Environment. She coordinates the Global Education Research and Teaching (GERT) research group in the Faculty of Education and Arts. She is a past President of the Social Educators' Association of Australia.

Mary Rowland

Mary Rowland is a secondary science teacher seconded from EQ to work with the *Water: Learn it for life!* Program with the Queensland Department of Environment and Resource Management (DERM). Her role involves developing *Water: Learn it for life!* curriculum resources and delivering professional learning sessions, mainly for primary teachers.

Mellini Sloan

Mellini Sloan is a Lecturer in Urban & Regional Planning at the Queensland University of Technology, teaching into the First Year Experience as well as latter year units in Negotiation & Conflict Resolution and Environmental Planning & Management. Ms. Sloan has received several awards for teaching and student engagement in her three years at QUT, and enjoys interacting with students from different disciplines as they progress through their courses and into their careers. She has an undergraduate degree in Geography, a masters in Environmental Engineering Sciences and a nearly complete doctorate in Urban & Regional Planning

Lucie Sorensen

Lucie is Principal Project Officer for Assessment Resources at the Queensland Studies Authority and a former Geography Project Officer for ACARA. Lucie has a special interest in quality assessment design.