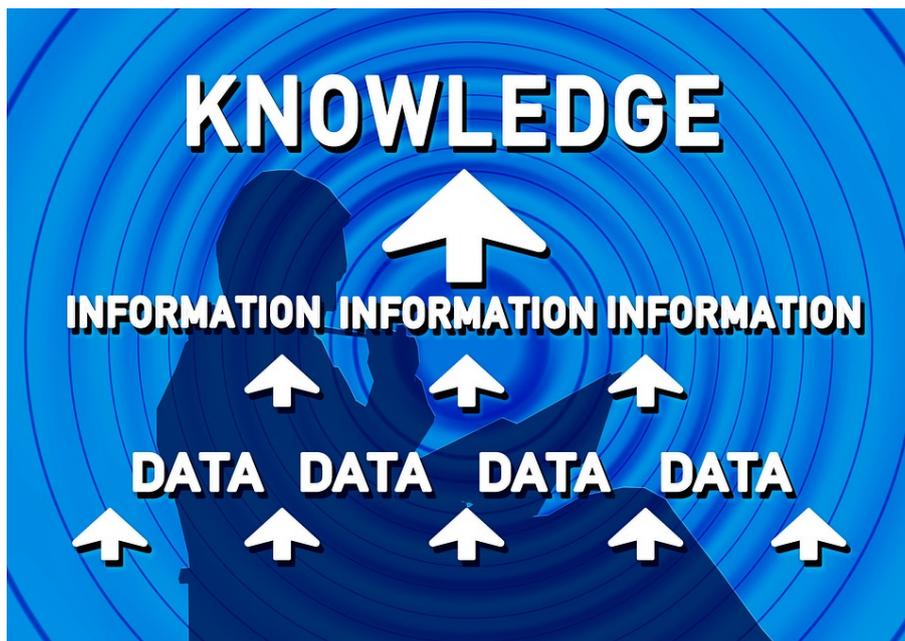*2017 Theme: Collaborating beyond the school walls*

Making the most of Data: Collecting, Visualising, Applying

A Conference for Teacher-librarians, School Library Managers, Librarians, Teachers, Literacy Coordinators

Thursday, 10 August 2017
8.45 am to 3.30 pm
Bayview Eden Melbourne
6 Queens Road, Melbourne 3004

Presented by the School Library Association of Victoria
Recognised and supported by the Department of Education and Training

Program overview

This is a Bring Your Own Device Event - Wifi available

8.45 - 9.15am   Conference Welcome and Opening
                       Ms Dianne Ruffles, SLAV President
                       Ms Fran Reddan, Principal, Mentone Girls' Grammar School. 2016 School Leader of the Year

9.15 - 9.45am   Digital Literacy, ICT, Digital Technologies and digital technologies - Same, same but different?
                       Sandy Phillips, Department of Education & Training, Victoria

9.45 – 10.45am   Keynote - Why Data Literacy Matters -
                       Kristin Fontichiaro, University of Michigan, USA

10.45 – 11.10am Morning Tea

11.10 – 11.55am Concurrent Session 1
                 1.1 Using Piktochart for data snapshots to make your library count -
                      Wendy Logan and Kate Hoogenraad, Ivanhoe Grammar School
                 1.2 ABC Splash styling data and statistics for the classroom
                      Annabel Astbury, ABC Splash
                 1.3 Interpreting data: It's a game changer
                      Renee Hoareau, LifeJourney International
                 1.4 Google Forms simplifying feedback and analysis
                      Camilla Elliott, Mazenod College

12.00 – 12.45pm Concurrent Session 2
                 2.1 We are only as good as our sources: Data analysis for collection development
                      Pru Mitchell, ACER
                 2.2 Infographics for Beginners
                      Ashley Sutherland, University of Melbourne
                 2.3 Using data for instructional decision making
                      Julia Petrov & Leonie Darken, St Patrick's College
                 2.4 Visual reporting through videos and images
                      Panel

12.45 – 1.30pm   Lunch

1.30 – 3.30pm   Kristin Fontichiaro Data Workshop –
                      Part 1 - Citizen Science As Pro-Social Engagement
                      Part 2 - Data In the Wild: Case Studies

3.30 Close   SLAV President, Dianne Ruffles

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SEE ALSO - FULL DAY MASTERCLASS

DATA VISUALISATION MASTERCLASS WITH Kristin FONTICHIARO
to be held **Friday 11 August, 2017** at The Dream Factory, Footscray
BOOK via SLAV Website - (separate associated event)

Introduction

The term 'Data' has gained new meaning and importance in recent years as it is used to inform decisions, opinions, knowledge and actions. It is being gathered, with and without our consent. We are unwittingly contributing data without appreciating the consequences and we are using the data of others without understanding its veracity - is it *true* or *fake?*

This full day conference of the School Library Association of Victoria features international data literacy expert Kristin Fontichiaro, from the University of Michigan, USA. Data literacy is recognised as a vital digital literacy. We are ideally placed as educators to broaden the effective use of data as both a learning and a teaching tool. Kristin will present a keynote address with a two hour, hands-on afternoon workshop.

As recognised in the new Victorian Digital Technologies Curriculum, developing students' capacity as thoughtful, active citizens requires teachers and teacher librarians to be informed about the critical and essential aspects of data literacy and to engage in high-leverage, practical instructional strategies that can be used to directly impact students' data literacy capabilities.

The conference will open with School Leader of the Year 2016, Fran Reddan, Principal, Mentone Girls' Grammar speaking of her experience and expectations as a school leader. Sandy Phillips of Department of Education and Training, Victoria has surprises in store regarding the development of new, contemporary and interactive digital content for teachers and students.

The strength of SLAV professional learning is the sharing of current practice and ideas from practising educators and library staff that can easily be applied. Delegates have the option to choose from 8 concurrent sessions. All sessions are practical and delegates are encouraged to bring their own devices to facilitate their participation. Wifi available.

Sessions

CONFERENCE OPENING

2016 School Leader of the Year

Fran Reddan – Principal: Mentone Girls' Grammar School

Through her partnership, support and direction with Head of Library David Feighan, Fran has enabled Kerferd Library to excel and meet the challenges of 21st Century learning and literacy support head on. She has allowed the Library to be innovative and take risks. At at time of increasing competition between schools Fran has allowed the Kerferd Library to share their learning with other school libraries. Of strategic importance was Fran's support as Principal along with the Senior Management Team and School Council Library, of the Library's 3 year strategic plan, giving the Library a road map to support the Curriculum, literacy and learning.

KEYNOTE

Why Data Literacy Matters

Kristin Fontichiaro - Michigan University, USA

Data is everywhere: in the newspapers we read, throughout the databases we point our students to, in our social media feeds, on our wrists, even in our thermostats! Yet as a profession, we have often privileged text over data when we teach information comprehension strategies to students. In an age when stores may have secret profiles based on our credit card numbers and governments release – or withdraw – huge datasets, how do we and our students navigate this world effectively? In this keynote, Fontichiaro sets forth a framework for building on our information literacy expertise to help students become savvier readers and writers of data.

About: Kristin Fontichiaro

Kristin is a clinical assistant professor at the University of Michigan School of Information. She teaches courses in contextual inquiry and user needs assessment; makerspace culture and tools; information literacy; and library and information science. Kristin is interested in teaching and learning in formal and informal settings. She speaks internationally on inquiry, information and digital literacy, and makerspaces. Kristin coordinates the Michigan Makers service and action research projects. Kristin is currently principal investigator of the two-year project Supporting Librarians in Adding Data Literacy Skills to Information Literacy Instruction, October 2015-September 2017

PRESENTATION

Digital Literacy, ICT, Digital Technologies and digital technologies - Same, same but different? ….. If you are confused you are not the Lone Ranger.

Sandy Phillips

Digital literacy isn't about being a techie wiz; it's about using technology to change the way you think, create and communicate. OK so where does ICT, the Digital Technologies Curriculum and digital technologies fit in what is considered Digital Literacy? It is easy to interchange the terms and assume they all mean the same thing but there are differences.   This session unpacks the differences and the connections between Digital Literacy, Digital Technologies, digital technologies and ICT and explores the new opportunities including languages and ideas around creating for your students. But it asks the fundamental question ….. What do our kids need to be Digitally Literate and how can we help them?   Sandy will also offer an invitation for your students to participate in the Victorian Games and Apps Challenge!

About: Sandy Phillips
Sandy is currently a member of the Digital Learning Practice team - Department of Education and Training (DET). An "old" primary teacher who was at school the day the internet arrived, (yes it did come I a small box!) Sandy has since held a number of roles including the delivery of professional learning to educators, support with ICT Planning, as well as the management and delivery of online resources and spaces including FUSE and Global2. Her role as an Innovation Manager saw her work with Victoria's museums and galleries to develop new, contemporary and interactive digital content for teachers and students.Sandy develops and manages much of the policy and practice around the safe, responsible and ethical use of digital technologies within the department. She is passionate about the authentic use of digital technologies to get students to think, create and connect to a global world for positive outcomes and action.

CONCURRENT SESSION 1

1.1 Using Piktochart for data snapshots to make your library count
Wendy Logan and Kate Hoogenraad

School libraries are busy, dynamic places that should have specialised staffing and be adequately resourced. In a competitive environment, the best way to ensure your library programmes and services are noticed and valued is to gather data. While annual reports are an important part of the library reporting landscape, we have found that quarterly data 'snapshots' are having an impact on our own knowledge of what we do in the library as well as being positively viewed by the school leadership. In this session we look at how to produce quick, visual quarterly reports using all kinds of library data. These reports are easy to produce, easy to read and are valued by school administrators.

About: Wendy Logan
Wendy is currently the Head of Library Services at Ivanhoe Grammar School, The Ridgeway campus. Wendy has worked as a primary and secondary teacher-librarian and as a Library Manager in all sectors. This range of experiences has enabled her to appreciate the power of communicating clearly and regularly with administrators.

About: Kate Hoogenraad
Kate has worked at both private and government schools after obtaining her Graduate Diploma in Information Science in 2014. Previously, Kate was a scientist who worked in QA in the food and pharmaceutical industries. Knowing how to wrangle data and present it in different ways has therefore always played an important part in her careers.

1.2 ABC Splash styling data and statistics for the classroom
Annabel Astbury

ABC Splash is a rich repository of learning and teaching resources relating to the Victorian Curriculum. In this presentation Annabel will explore rich interactive data resources such as *Consensus* and *Choose Your Own Statistics* . Applied to the classroom, these resources present data in the form of infographics, graphical representations and data tables. ABC Splash is a treasure box worth containing amazing treasures for learning and engagement.

About: Annabel Astbury
Annabel is Head, Digital Education at the ABC and is working with a great team to deliver ABC Splash. She used to be a classroom teacher and has worked closely with students, teachers, government and cultural institutions over the past years promoting history education and learning with 'digital' technologies.

1.3 Interpreting data: It's a game changer
Renee Hoareau

Data is our most precious commodity, particularly in the digital age. It becomes meaningful only if we have the skills to interpret the data for a variety of purposes. In this workshop Renée will demonstrate, through the latest Day of STEM Cyber Security Experience, the contemporary skills in understanding and protecting the integrity of data from bad actors. This area of STEM and its transient knowledge and skills provides an opportunity for teachers to empower Cyber-Gen millennials to be future ready for diverse STEM careers. Renée introduces cyber security, demonstrating why cyber science is a critically important pursuit in interpreting and decoding data. Teachers walk away with a framework to start their own professional development journey in Cyber Science able to build confidence and capacity in students. Renee will point to its relevance to the teaching and learning of Australian Curriculum: Digital Technologies and the General Capabilities.

About: Renee Hoareau
Renée is currently Director, Education and Engagement for LifeJourney International. Renee drives community awareness of the exciting 'Day of STEM' platform that encourages students, their teachers and parents through an interactive program led by the nation's leading industry mentors. Renée has extensive experience working in secondary schools and tertiary institutions as well as teaching organisations. She holds several advisory roles for driving change and leadership for 21st century learning, strategies for building strong partnerships and leveraging technologies for in-demand digital futures.

1.4 Google Forms simplifying feedback and analysis
Camilla Elliott

G-Suite (Google Apps for Education) is a powerful tool for learning and collaboration. In this session Camilla will explore the practical aspects of Google Forms for a whole range of tasks from teacher gathering feedback, to students using it themselves to record and manage data gathering and processing tasks. Maybe students are completing multiple choice tests, reviewing a video or writing short stories. Google Forms brings everybody into the one conversation where the information submitted can be managed and organised simply. Its

use across the school in classroom or administration settings makes Google Forms one of the most powerful, time saving tools at our disposal. Whether your school has adopted the G-Suite platform or not, you can still use it. This practical session will walk you through the process and leave you feeling empowered.

About: Camilla Elliott
Camilla is Head of Library and Digital Learning at Mazenod College, Mulgrave, Vic.   She is an active networker in the international professional community with a passion for authentic learning, the learning commons model of school libraries and applied digital learning. Camilla is a recipient of SLAV's John Ward Award. She is Chair of the SLAV Professional Learning Committee and a member of Synergy journal Editorial Board. Camilla also provides School Library Consultant services to schools endeavouring to review, assess and plan for library innovation and renewal. Her resources are shared at www.linkingforlearning.com. Twitter ID is 'camillaelliott'.

CONCURRENT SESSION 2

2.1 We are only as good as our sources: Data analysis for collection development
Pru Mitchell

We are only as good as our sources' was a catchcry of the global WikiCite 2017 conference. This quote coined by a journalist, applies equally well to students completing assignments, to teachers preparing lessons, and to policymakers dealing with complex educational issues. All rely on sources that are relevant, accurate and accessible – exactly the type of sources that are typically discovered in libraries. So how do we ensure the sources available in school library collections meet the needs of the school? Collecting and analysing data from the school community is an important way of evaluating the library's services and collection. Libraries are also collecting data from third party publishers as one of the information sources provided for their community. This session shares what I learned about data as a participant at WikiCite, and considers the sources that schools require from their libraries. Improving information quality and verifiability are as important in library collections as they are in Wikipedia.

About: Pru Mitchell
Pru Mitchell is a teacher librarian with experience across K-12 schools and higher education libraries. In her current role as Manager, Information Services at

ACER she is involved in data management and collection evaluation. She applies her interests in digital collections, metadata and professional learning through ongoing work with library professional associations, as an adjunct lecturer with Charles Sturt University, and in her role as Vice-President of Wikimedia Australia.

2.2 Infographics for Beginners (Please note pre-conference requirements for this workshop)
Ashley Sutherland

Infographics are a powerful means of visual communication. This session will give an introduction to infographics, suggested educational applications, and some basic design considerations. This will be a practical session, using the free online tool, Canva. Please set up a Canva account (www.canva.com) and bring along your laptop or iPad (download the app prior to the session).

About: Ashley Sutherland
Ashley, Senior Librarian, Digital Learning Technologies, University of Melbourne Library has two roles at the University of Melbourne Library. As Senior Librarian, Digital Learning Technologies, she supports library staff in the use of digital tools to support student learning, in line with the Library's Scholarly and Digital Literacy Framework. She is also a Liaison Librarian, supporting the faculty of the Victorian College of the Arts and Melbourne Conservatorium of Music. Ashley is also a professional musician, and has performed with many orchestras, including the Australian Chamber Orchestra and the Australian Brandenburg Orchestra.

2.3 Using data for instructional decision making
Julia Petrov & Leonie Darken, St Patrick's College

Data provides the big picture of objective information that can be used to inform decisions about curriculum and how your library can support teaching and learning. Data can also be used on a micro level when dealing with individual students to inform book selection or support. Learn how to use literacy data in a practical and targeted way through the library reading program. Implement and design a reading program in response to data (e.g. On Demand Testing) to address whole-school literacy outcomes. Learn how to use tools like Trails (Tool for Real-time Assessment of Information Literacy Skills) data to inform an approach to support whole school information literacy.
Use data to amplify your voice in curriculum discussions throughout the school and see how your library can support other teachers to access and interpret data.

About: Julia Petrov & Leonie Darken
Julia is the Director of the Kelty Resource Centre and Leonie is the Assistant Director. Our presentation is the fruit of 6 years of working together along with our wonderful team of library staff. The road has not been straight or narrow but we've learnt a few things along the way.

2.4 Visual reporting through videos and images
Panel

Presenting the Annual Report, reporting on a students excursion, making submissions for an increase in library funding or teaching students how to use images effectively to tell a story. We are all visual beings and will more readily take in the content presented through a visual presentation than through text-based presentations. During this session, a number of practitioners will illustrate how they, or their students use the power of image to make a powerful statement.

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DATA WORKSHOP with Kristin Fontichiaro

Kristin will present two practical sessions that will enable us to bring data into our lives and schools on an everyday basis. This workshop is a hands-on, practical session. Please bring your device to participate fully.

Citizen Science As Pro-Social Engagement (1 hour)
If Big Data can sometimes be accused of being the Wicked Witch of crowd-contributed data, citizen science can be considered the Good Witch. Citizen science is the participation of amateur volunteers in activities to collect, identify, and analyze data, generally regarding the natural world. The citizen science movement isn't new – people have measured their harvest, documented the birds they observe, and counted animals to mark changes in season for centuries. But with today's computing power and bandwidth, citizen science can now come to our laptops, making it possible for our students to assist practicing scientists. Bring your laptop as we explore how students can be prosocial

data stewards by identifying penguins, counting elephants, transcribing historical text (granted, not really science), and more. We'll explore together and brainstorm curriculum connections and service learning possibilities.

Data In the Wild: Case Studies (1 hour)

Our students are living in a world far different from the one we grew up in. Every Facebook like, FitBit step, and customer card swipe contributes a little bit of data to hidden but extraordinarily powerful Big Data sets. We need to become savvy about the invisible strings that pull at us without our knowledge so we can help our students make better choices about their privacy and reputation. We'll explore a variety of "data in the wild" case studies from the forthcoming book Data Literacy in the Real World: Conversations and Case Studies that you can then use in professional learning conversations with colleagues or to engage the teens you work with.

CONFERENCE CLOSE

SLAV President, Di Ruffles.

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YOU MAY ALSO BE INTERESTED IN Kristin'S MASTERCLASS

DATA VISUALISATION MASTERCLASS WITH Kristin FONTICHIARO
to be held Friday 11 August, 2017

Venue: The Dream Factory
90 Maribyrnong Street, Footscray, VIC 3011 Australia

Time: 9.00am - 3.15pm   (lunch provided)

Title: Reading and Writing Data Visualisations

In their schoolwork and on social media, students are bombarded with data visualisations from the sublime to the ridiculous. It is now very easy for How do we help students "read" and "write" data in graphical form? In this hands-on workshop, we'll engage with data visualisations as readers and writers. We'll unpack and critique data visualisations, discuss strategies and "rules of thumb" that we can share with students, and create some visualisations.

Book via SLAV Website <http://www.slav.org.au>