



Education Leaders Forum 2016

Tomorrow's Skills Pathways to the Future Preparing Learners Now

23 & 24 August, Waipuna Hotel, Auckland



Education Leaders
Forum is a
SmartNet Event

Welcome to ELF16

The tenth annual Education Leaders Forum is about the seismic shifts happening in the world of work, the demand for a different skills mix and the implications for education and training at all levels. A lot of jobs are already threatened by automation. Many jobs are less secure because they are part-time or temporary. At the same time there are new opportunities for those with the appropriate attitudes and skills.

In the face of relentless and accelerated change the focus at ELF16 is on how learning professionals, careers practitioners and parents can best help to prepare young people now to navigate their way through an increasingly complex world by becoming effective, adaptable lifelong learners and doers.

I would like to thank our speakers, sponsors and supporters for making this timely forum possible and to encourage all participants to share knowledge freely, both during our time together over the next two days and with colleagues not present via the post - ELF digital resource package.

Lyall Lukey, SmartNet Events-ELF16 Convener

Contributors: View their profiles and topics online at www.smartnet.co.nz/elf-2016/contributors/



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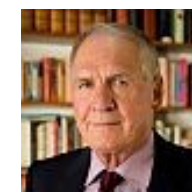
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ELFCONFR



Education Leaders Forum 2016

Day 1 Programme

Tuesday 23rd August

Tomorrow's Skills

Pathways to the Future

How shift is happening

The fragmented future of work

Preparing Learners Now

Learning to adapt

Hard facts and soft skills

8.15am Waipuna Conference Centre (open all day)

Registration, networking and coffee

8.45am Plenary

Starter

8.55am Plenary

Mihi whakatau

9.00am Plenary

Tomorrow's Skills-The Big Picture

Weaving together the threads of lifelong skills development, employment and self-employment opportunities and sustainable economic growth through collaboration, creativity, innovation and productivity.

[Hon Hekia Parata](#) Minister of Education

9.30am Plenary

Pathways to the Future

**How Shift is happening*

Keynote: *Welcome to the Digital Revolution: Education in the Age of Disrupted Learning*

In today's digital world we are witnessing the evolution of an incredibly turbulent new age. It's the Age of Disrupted Learning – an age where every part of society is experiencing a complete upheaval due to the chronic and pervasive nature of disruptive change. In order to thrive, our schools, like our businesses, communities, and families, must continually adapt to these changing conditions. This presentation examines the changing nature of our world; identifies the critical 21st Century skills not being addressed by our current educational system; and specifically identifies how we can effectively engage learners so that they can perform exceptionally well on exams while simultaneously learning the critical new basic skills needed to excel in both school and life beyond school.

Prepare to have your assumptions about education challenged. Counselling will be provided.

[Ian Jukes](#) Founder and Executive Director, InfoSavvy Group

10.20am Plenary

Preparing Learners Now

How best can education leaders engage their learning communities in responding to the global and local trends impacting on education?

In order for learners to thrive in disruptive times they need to be creative, collaborative and courageous. The NZ Curriculum espouses these needs perfectly – it's the mindframes of education leaders and educators that need to change. Cheryl will describe what must become part of the fabric of every learning organisation in order to remain relevant.

[Dr Cheryl Doig](#) Leadership Futurist, Think Beyond

11.00am Networking Break

11.30 am Plenary

***The Fragmented future of work**

Transformed Work: Creating a future ready workforce

The key to navigating the future is developing flexible, resilient and high performing individuals and teams that are innovative and productive.

This overview and short workshop provides practical resources to help education and business leaders navigate challenge of the future of work by creating a future-fit workforce.

[Nina Sochon](#) CEO, Transformed Teams

[Siobhán Hanley](#) Director Potential, Work Wellbeing

Joint authors of [Transformed Work](#).

12.30pm Networking Lunch Break

1.30pm Plenary

***Learning to adapt**

Vocational Pathways—An overview of school-tertiary and school-industry partnerships

Flexible models of school-tertiary and school-industry partnerships are providing better pathways for young people and more choice.

The Ministry of Education is promoting alternative programmes and partnerships via the Youth Guarantee programme to better meet the needs of senior students and the employment sector.

These use key data to track and tailor programmes for specific people who are at risk of achievement failure. Communities of Schools are also collaborating and forming links with the wider community, including the world of work, to enhance the relevance of their learning experiences.

[Trevor McIntyre](#) Advisor, Youth Guarantee, Ministry of Education

1.45pm Plenary - Panel

Case studies of facilitating successful transitions from school to further education, training and/or employment

What are we all doing to better prepare our young people for the challenges and opportunities of the future, and for jobs that don't exist yet and that we can't even imagine?

*What are the hard and soft skills that young people need to be armed with?

*What is the specific skill/transferable skill mix?

*What are some of innovative partnerships and programmes that are meeting the needs of both the young people and employers?

*What involvement are employers having with the design of the senior school curriculum, to ensure the skills students have are the ones employers need?

*What more needs to happen?

[Huia Hanlen](#) Secondary-Tertiary Lead Advisor, Auckland, Ministry of Education

[Jenny Baber](#) Secondary-Tertiary Lead Advisor, Waikato, Ministry of Education

[Mark Hellyer](#) Owner, Pacific Coast Technical Institute

[Peter Jones](#) Principal, Manurewa High School

[Rod Gordon](#) Managing Director, Russell Gordon Contracting

[Ricky Robinson](#), Divisional Manager, Russell Gordon Contracting



Education Leaders Forum 2016

Day 1 Programme continued...

Tuesday 23rd August

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2.45pm Plenary

Positive Education for Adaptability and Resilience

Dr Lucy Hone shares her experiences in designing and implementing evidence-based wellbeing and character education programmes in different school contexts, in alignment with the theories and practice of Positive Education. Having trained with Martin Seligman at the University of Pennsylvania (recognised as the founder of Positive Psychology and Positive Education), Lucy is currently working with several Christchurch schools.

Sharing empirical and practical insights, she will focus on why understanding and promoting wellbeing is so important within schools, and guide us through best-practice for embarking on this journey. As adolescents prepare to enter the adult world the skills of resilience (cognitive, emotional and behavioural flexibility) will be among the most important lessons they can learn at school, giving them the necessary tools to cope with the challenges and changes in the years ahead.

[Dr Lucy Hone](#) Consultant, The 100 Percent Project, Author of [What Abi Taught Us](#)

3.30pm Networking Break

4.00pm Concurrent Workshops

Workshop 1

Thinking in the Future Tense: Looking Back, Looking Forward

As education leaders and practitioners we are driven by the tyranny of the urgent into focusing on short-term goals. Forced to operate in reactive mode we lose sight of what is important for the futures of our learners. To adequately prepare students now for their individual pathways to the future, we need to shift both our and their thinking.

This high participation workshop will demonstrate "how to think in the future tense". Thinking in future tense means bi-focally viewing educational policies and practices as a split screen, where one eye focuses on short-term goals and the other eye focuses on the future. Participants will discover what it means to think in future tense; how this technique applies across the learning spectrum from early childhood to post tertiary education and training; and why it is so important that our current educational paradigms respond to the challenges of the modern world so we can prepare both ourselves and our students for the world of tomorrow.

[Ian Jukes](#) Founder and Executive Director, InfoSavvy Group

[Nicky Mohan](#) Managing Partner, InfoSavvy and co-author of [Reinventing Learning for the Always-On Generation](#)

Workshop 2

Pathways for the Future: Why Soft Skills and Collaboration are Key

The world is shifting, driven by the key trends of globalisation and technology. In order to thrive as *learning communities and as a planet we need to work together and be able to take responsibility for ourselves. It requires us to think more of ecosystems and leadership rather than single cells and leaders. Our work is increasingly ambiguous, and change is increasingly exponential rather than linear. Adaptive leadership is needed for such complex times.

Collaboration is a key competency for adaptive leadership, but isn't as easy as it sounds. It's not enough to design new workspaces and schools to be more flexible physically; and it's not enough to put people in teams, clusters or communities and expect magic to happen. Collaboration requires the intentional development of soft skills – and that is hard work! This workshop will explore some examples of diverse organisations working together in ways that couldn't be achieved alone. This is about pushing the boundaries, emergent practice and outwards mindsets.

[Dr Cheryl Doig](#) Leadership Futurist, Think Beyond

5.30-6.30pm Networking, drinks, nibbles

6.30pm — End of day 1



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Day 2 Programme

Wednesday 24th August

Tomorrow's Skills

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8.45am Plenary

Starter: *A Business View of Tomorrow's Skills*

[Kirk Hope](#) CE, BusinessNZ

9.00am Plenary

Laying the foundations for tomorrow's skills from early childhood onwards

The World Economic Forum Future of Jobs Report 2015 points out that workplace technical skills will need to be supplemented with strong social and collaboration skills. Developing the appropriate mix of social and cognitive skills needs to happen at all stages of the Early Childhood, Primary and Secondary learning journey to enhance lifelong learner achievement.

[Karl le Quesne](#) Associate Deputy Secretary (Early Learning and Student Achievement), Ministry of Education

9.30am Plenary

DIY Gaming: Developing soft skills as well as technical skills

Workshops for pre-teens in computer coding and game making develop technical skills as well as the soft skills employers are looking for: creativity, team work, time management etc.

The transferable skills developed by such activities in modern learning environments will eventually flow over into modern earning environments and enhance work satisfaction and productivity.

[Dan Milward](#) Director, Gamefroot

10.10am Plenary

Project Based Learning- STEM in Industry

Case Study One: EVelocity

Year 9-13 students participate in exciting electric vehicle building projects, with the help of industry mentors.

Case Study 2: Mission to Mars

Delivered in three courses – Ecobots Yr 9-10, Aerodynamix Yr 11-12 and Mission to Mars Yr 9-10, students design and build robots, planes and rockets and habitats to simulate living on mars.

Case study 3: ShadowTech for Girls

This initiative gives girls more insight into opportunities in ICT and Engineering both in the immediate and medium term future.

[Miranda Satterthwaite](#) STEM Co-ordinator,
Ara Institute of Canterbury

10.50am

Building Financial Capability

Building the financial capability of New Zealanders is a priority for government to help improve the wellbeing of families and communities, increase investment and grow the economy. Giving all school students the opportunity to develop this capability is critical for work readiness and managing debt and savings decisions across a lifetime.

Angela will make the case for curriculum change based on insights from the Commission's research and Sorted Schools project.

[Angela Clemens](#) Education Manager,
Commission for Financial Capability

11.00am Networking Break

11.30am Plenary

Pathways to a Skilled Future - Managing transitions from education to employment

The Industry Training and Apprenticeships sector in New Zealand has been working with Government to establish vocational pathways for students. These are designed to help students navigate the journey between education and employment by making clearer links between educational choices and the world of work.

[Josh Williams](#) CE, Industry Training Federation

12.00pm Plenary

Flexibility of funding models

To enable more successful transitions between formal education, further education and training and employment, the funding system needs to be flexible.

A synopsis of what TEC is doing to ensure flexibility of funding models for a range of innovative programmes which better meet the needs of both school leavers and employers.

[Tim Fowler](#) CEO, Tertiary Education Commission

12.30pm Plenary

Career Ready—Challenge and Opportunity

The education and employment landscape continues to rapidly evolve providing us with more and more complex challenges and some great opportunities to prepare for very different futures.

Keith Marshall gives an insight into how we can think about ensuring people are career ready in our rapidly evolving future.

[Keith Marshall](#), Chief Executive, Careers New Zealand

1.00pm Networking Lunch Break



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2.00pm Plenary

Student attitude and engagement in New Zealand Schools

The Student Attitude and Engagement Survey (SAES) is designed to investigate student attitudes and school-wide trends that have an impact on student achievement and engagement. The comprehensive online feedback can inform the evidence-based decision making process, help with target setting and strategic planning and explain the trends in achievement data.

[Dr John Boereboom](#) Director NZCER Psychometric Assessor CEM (NZ) – Centre for Evaluation & Monitoring, UC

2.30pm Plenary

Making a real difference: What the Maker Movement looks like when it touches down in rural NZ

Overview: Fab Labs are globally networked maker spaces equipped with digital technology to build a toolkit of skills, realise ideas and innovate. How do you integrate a maker-focused Fab Lab into schools? Our practical approach to creating engaged learners and empowered teachers by reimagining the curriculum through a maker lens.

[Kirsten Browne & John Hart](#) Co-founders, Fab Lab Masterton

3.00pm Parallel Sessions

1. Makers Workshop: A DIY activity in 3D modelling from scratch, using free tools!

- Bring your own device (with mouse)
- You'll be able to continue what you start, wherever & whenever you like
- You can remotely upload your prototype to us to 3D print, just like our rural schools
- Feel free to be an observer

[Kirsten Browne & John Hart](#) Co-founders, Fab Lab Masterton

3.00 pm Horizon Lounge

2. Shakers Forum: An open forum for those not taking part in or observing the Makers Workshop

- Articulate your views on themes raised at ELF16
- Introduce resources that may be of interest to fellow participants
- This will be run Kiwioke style, with each speaker getting an initial 3 minutes, with the possibility of an encore

Pass in your name and topic to Sue Mardon on the registration desk before 1.30pm on Wednesday 24th

3.45pm Plenary

Where to now?

4.00pm Forum Concludes

Quick Links

ELF16 Overview:

<http://www.smartnet.co.nz/elf-2016/>

Contributors:

<http://www.smartnet.co.nz/elf-2016/contributors/>

Programme:

<http://www.smartnet.co.nz/elf-2016/programme/>

Registration:

<http://www.smartnet.co.nz/elf-2016/registration-form/>



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Education Leaders
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SmartNet Event

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