

Attention Professional Development Co-ordinator/Senior Management-Physics Professional Development Support

The New Zealand Institute of Physics (NZIP) is the primary source of professional support for your physics teacher(s). We would like to inform you of what we can offer and how your school can be supportive of the professional development needs of your physics teachers.

In 2019 we have a range of professional development opportunities

National Physics Teachers' Conference – *Physikos* – 15 - 17 April

All physics teachers are invited to the University of Canterbury for the 19th biennial Conference of the NZIP, incorporating *Physikos*, the New Zealand Physics Teachers' Conference. Our venue is the brand-new Ernest Rutherford building in the Regional Science and Innovation Centre, the centrepiece of transformation of the UC campus in the post-earthquake era.

As part of *Physikos*, local and international educators will share their experiences and teaching strategies. *Physikos* is the major professional development opportunity for New Zealand physics educators.

Also as part of *Physikos*, physics teachers are also able to interact with physics researchers as *Physikos* runs concurrently with the NZIP Conference which brings together international and local researchers from diverse areas including climate physics, space physics, astrophysics, nanotechnology, quantum optics, and medical imaging technology.

At the conclusion of the conference, on 18 April, there is another full day professional development opportunity known as Back to Uni. More details below.

NZIP would be very appreciative of your support so that as many of our physics teachers as possible can attend this wonderful professional development opportunity.

Details of the conference can be found at www.nzip.org.nz

One-on-One PLD

In August 2018 NZIP launched our FREE one-on-one PLD support. We have had a significant amount of uptake and the feedback has been extremely positive.

Comments from teachers have included:

“This was extremely helpful”

“I would use this PLD support service again”

“I would highly recommend this service to others”

Past requests have ranged from ‘how to use wave equipment and oscilloscopes’ to ‘level 3 mechanics teaching’ to ‘marking/moderation of papers’.

If your teachers would like one-on-one PLD then please get them to get in touch. Our facilitators are available during the school holidays and throughout the school term (usually outside of class time).

Please go to the following link and complete the online form

<http://nzip.org.nz/education/professional-development-support-for-teachers/>

PLD Courses

NZIP currently offer a range of PLD courses (all free subject to certain conditions (explained below)).

Presently we offer the following courses:

Back to Uni – these courses are 1 day in length and provide an opportunity for teachers to work with university lecturers to improve their physics knowledge and skills.

Physics Fit – these courses (offered after school) are workshop-based PLD where experienced physics educators provide rich learning opportunities for teachers on various areas of the curriculum.

More information about these courses can be gained by emailing PLDSupport@nzip.org.nz

Resources and Membership of our community

We also offer a large range of professional resources ranging from schemes of work to quality assured assessment resources. Around 80% of all schools in New Zealand access our professional resources.

More details can be found at: <http://nzip.org.nz/education/>

We also offer professional membership of NZIP.

NZIP Professional membership provides:

- A forum for discussing physics education and research
- A network of physics teachers
- Sponsorship of high school physics prizes
- Submissions to government concerning physics education and research
- Significant reduction in NZIP Conference fees
- Ability to use MNZIP as part of your official designation
- Access to a regular digital newsletter

More details can be found at: <http://nzip.org.nz/join-nzip/>

As you can see from above NZIP provide a huge range of professional support** for your teacher(s). We would strongly encourage your school to provide the appropriate support to your physics teacher to allow them to access the above resources. The school's commitment is small but what we can offer as a result is significant to support your physics teacher(s).

**Access to our Professional Development network of support (courses, 1-1 support) is free for any teacher who works in a school where the school subscribes to our professional resources or if that teacher is a professional member of NZIP.



David Wiltshire (President)



David Housden (Chair of Education Section)