

DNA TECHNOLOGY FOR SECONDARY EDUCATION

A HANDS-ON DNAITECH TEACHERS WORKSHOP MAY 31ST, 2021 8.30AM- 4:00PM

Wellington

DNAITECH

- new tools aimed to capture students' interest in science and technology
- project based learning
- molecular biology applied to real-world environmental issues

APPLICATION

- environmental testing
- real-time DNA analysis
- DNA quantification
- LAMP DNA amplification
- E.coli testing
- cyanobacteria testing
- smart-phone technology
- unlocking the curious mind
- engaging the genomics generation
- DNA technologies in the class
- in-field testing.

VENUE

Seatoun Village Hall 22 Forres street, Seatoun, Wellington. Free parking on the street.

COST

\$400 per person (+ GST)

CONTACT

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PROGRAM

Session 1

INTRODUCTIONS & BACKGROUND:

The molecular biology revolution, PCR and Isothermal methods, tools for DNA amplification, and their importance to modern life. The DNA tests using DNAITECH, how they work, their relevance to environmental sustainability.

Break

Session 2

LAB BASICS AND PRACTICAL 1:

A brief session on Lab basics followed by a practical experiment using DNAiTECH, amplifying target DNA with calibration DNA samples, data analysis.

Lunch Break

Session 3

LAB BASCS AND PRACTICAL 2:

Extraction of a water sample followed by a DNAiTECH experiment to measure bacterial samples in the water, data analysis.

Session 4

INTEGRATION:

Video of a teacher's feedback on Unlocking Curious Minds program at Haeata Community Campus, roundtable discussions on the integration of DNAiTECH experiments into the curriculum at NCEA 1-3.



REGISTER NOW AT WWW.DNAITECH.COM

See our recent DNAiTECH Unlocking Curious Minds Journey at Haeata Community Campus https://www.facebook.com/dnaitech