

NZAEE Webinar March 2023: Resource List

Sustainability and Regeneration in Secondary Schools

Summary of videos, articles, teaching resources and research related to our March webinar.

WATCH: Inspiring Case Studies

This list of videos includes short overviews from some schools recognised by the [Prime Minister's Education Excellence Awards](#), along with previous NZAEE and Enviroschools webinars and conference recordings, organised by viewing time so you can start with something short!

SHORT: Less than 10 minutes

[The Designery and Impact projects: Spotswood College](#) (Taranaki Regional Council - **1 min**)
For more information, watch the recorded webinar in the last section on this page.

[Transformative leadership at Hastings Girls' High School](#) (Winner PMEEA 2021 - **7 mins**)
This short video highlights a huge range of positive outcomes from transformative change, including a focus on culture, identity and swapping streaming for student interest hubs.

[Morrinsville College: Waikato Taniwharau programme](#) (Finalist PMEEA 2021 - **6 mins**)
The cross-curricular Waikato Taniwharau programme connects ākonga to their river, and to iwi and hapū, with subjects focussed on the natural world, and hikoi along the awatapu to the maunga.

[Te Kura Taumata o Panguru: Noho Taiao programme](#) (Winner PMEEA 2021 - **5 mins**)
You can also read '[Collecting back our knowledge](#)' Education Gazette article from 2021.
This inspiring mahi has led to a wider noho taiao programme:
Te Noho Taiao o Te Hiku - Te Rarawa ([watch video](#) - **2 mins**), Te Aho Tū Roa, Toimata

[Tihei Rimurimu | Te Kura Kaupapa Māori o Ngā Mokopuna](#) (Te Aho Tū Roa, **5 mins**)
Immersive, place-based marine and seaweed education experiences in Te Ūpoko o te Ika, a collaboration between Te Aho Tū Roa and Mountains to Sea Wellington.

MEDIUM: 30 minutes

[Integrated, Student-led Learning](#) at **Rangi Ruru College** (NZAEE conference 2022 - **30 mins**)
Art teacher Kate Rivers and students discuss examples and processes that have enabled authentic student projects to evolve, across multiple learning areas.

[Young Leaders Programme: Empowering youth action](#) (NZAEE conference 2022 - **30 mins**)
Kate Laughter (Ngāti Porou, **Marcellin College**) and David Vailala (Tongan, **Ōtāhuhu College**) share their experience as part of Auckland Council's Young Leaders Sustainability Programme.

LONGER: 50 – 60 mins

[NZAEE climate education webinar](#) (recorded in 2022 - **50 mins**)
Guest speakers Rachel Bolstad (NZCER) and **Ao Tawhiti** teachers (SS, Sci, and Philosophy) share examples and ideas for integrating meaningful climate education.

[Introducing the EfS standards](#) (NZAEE webinar from 2021 - **58 mins**)
Guest speakers Andrea Soanes, Lynnette Rogers and teacher Kate Rivers (Arts - Rangi Ruru)

[Embedding Sustainability in the curriculum](#), **Spotswood College** (Enviroschools, **1 hr**)
Teacher Aly Scott (Design/Arts) features in this webinar from 2022, sharing students' Impact Inquiry projects across a range of learning areas, including '[The Designery](#)' student store.

RESOURCES for Teacher Guidance

NZAEE website has a Resource catalogue and Professional Learning section, which can all be accessed from the main [Resources page](#). You can filter by Education Level to find Yr 9 - 13. Our [Providers catalogue](#) allows you to filter by region to find support and local programmes.

EONZ website has a range of resources and [publications](#) including a focus on [Te Ao Māori](#), articles about research and case studies in the [current](#) and [past issues of Te Whakatika](#), resources to support [gender equity in the outdoors](#) and the [Revisioning School Camps resource](#).

Here are some other key resources we recommend checking out:

- [New EfS guidelines for Teachers](#), written by Andrea Soanes and Lynnette Rogers
*Includes templates that can be used with students
[Watch: Recorded webinar](#) about new EfS guidelines resource - Andrea and Lyn
- [TKI: Education for Sustainability](#) curriculum resources and guidance, including the excellent diagram of a whole-school approach by Toby Morris.
- [Science Learning Hub - Mātauranga Māori](#) resources and teacher PLD (videos, articles)
Also check out the recent [webinar about Science competencies](#) (with NZCER resource).

CURRICULUM Refresh and Review of Achievement Standards

The interactive webpage with key dates and actions we referred to in the webinar can be found on this page: [Curriculum and Assessment Programme Timetables](#)

- Draft [Te Mātaiaho](#), including the Vision for Young People
- [Mana ōrite mo te mātauranga Māori](#) resources for teachers, including videos
- [Te Ao Tangata | Social Sciences](#) curriculum document

RESEARCH: Articles and Videos

We highlighted some of the key themes emerging from recent research in the webinar, but recommend spending some time reading the full articles or watching recorded presentations.

[NZCER: Climate change and sustainability in secondary schools report](#) (2021)

[Te Whakatika](#): Aotearoa NZ Journal for Outdoor and Environmental Learning - Summer 2023

[Climate Change Education, Student Agency and Hope](#) - Chris Eames and Sally Birdsall

Watch this video (30 mins) for an overview of Chris and Sally's recent research.

Related Published Article:

[School Strike 4 Climate in Aotearoa NZ: youth, relationships and climate justice](#) (Birdsall, 2023)

[Levers of Change: Embedding localised, place-responsive experiences in schools](#)

Sophie Watson (NZCER, EONZ) presentation for NZAEE conference 2022 (28 mins).

[Noho Taiao: reclaiming Māori science with young people](#) (Barnes, et al, 2019)

[The Use of Maramataka in Schools](#) (Rākena, 2020)

Western Springs College | Ngā Puna O Waiōrea: A People-focused Systems Approach to Sustainability. [Summary of research and findings here](#). Link to full [journal article here](#).

Research Summary: [Watch this video](#) (48 mins), produced in 2022, for an overview of the following research projects from PhD candidates at the University of Waikato:

- **Youth voices are demanding change** - Ria Bright
Article: [From apathy through anxiety to action: emotions as motivators for youth climate strike leaders](#) (Bright and Eames, 2021)
- **Climate activist teachers and lines of exploration** - Thomas Everth
Article: [Climate change and the assemblages of school leaderships](#) (Everth & Bright, 2022)
- **Towards a Sustainable Wellbeing Metacurriculum** - Chris Morey
- **Integrating nature-based opportunities through practitioner support** - Thea DePetrus
Article in Te Whakatika: [Exploring the prioritisation of nature connection by EE organisations](#)

Practical Tips and Breakout Discussions

During the webinar we mentioned a few practical ideas you could try:

- **Take your meetings outside**, and use this as a chance to explore your outdoor spaces and discuss how you could spend more time outside with students.
Check out this Enviroschools [story about Aparima College](#) for some inspiration.
- **Notice good things in nature**, to improve the wellbeing of your ākonga and yourself.
This is based on research from the UK, with a great [summary here](#).
You can find simple instructions and a short video here: [3 Good Things in Nature](#)

Comments from Success Stories Breakout discussions:

Success: must be principal-supported for longevity, budget, curriculum linked, enthusiastic lead teachers, emphasising connection to place and why it was important to them, have their voice in it, you've got to give it enough time – don't squeeze it in.

Year 9/10 space: using project based learning eg. Spotswood College Climate Action Camp setting up Envirogroups for the year

The examples our group shared all highlighted the importance of supporting secondary teachers to get adolescents hands-on! Less hui, more do'ey!

We talked about how connection is key- ākonga won't take action if they don't love or connect to their place. We were also discussing the balance between giving too much freedom to create a project which can be overwhelming for ākonga, or giving really good scaffolding to ensure they have what they need to lead a project with the support they need.

Any questions? Send an email to: becky@nzae.org.nz