Term 4 Science PLD by subject/sector updated 11 Nov (changes since last time)

**Agriculture & Horticulture**

11 Nov HATA regional Hub workshop, Rathkeale College, Wairarapa. Register [here](https://docs.google.com/forms/d/e/1FAIpQLScj7q4czR57kh0G33TVbRl5ROM1R1IYTBUybcjLgPEhlLxyAg/viewform?fbclid=IwY2xjawF9BZJleHRuA2FlbQIxMAABHQ9JVpL-5g2rMQCS5EJYU6OJ7mASBrJWXWgxi4cJRij-OwItNjNI21vqjg_aem_K5LkLzhICmkuqHzJbLFpTQ).

11 Nov HATA Taranaki workshop,10am-12 369 Devon St NP, 1-3pm Stratford HS. Register [here](https://docs.google.com/forms/d/e/1FAIpQLScj7q4czR57kh0G33TVbRl5ROM1R1IYTBUybcjLgPEhlLxyAg/viewform?fbclid=IwY2xjawF9BZJleHRuA2FlbQIxMAABHQ9JVpL-5g2rMQCS5EJYU6OJ7mASBrJWXWgxi4cJRij-OwItNjNI21vqjg_aem_K5LkLzhICmkuqHzJbLFpTQ).

12 Nov HATA regional Hub workshop, Mt Albert Grammar School, Auckland. Register [here](https://docs.google.com/forms/d/e/1FAIpQLScj7q4czR57kh0G33TVbRl5ROM1R1IYTBUybcjLgPEhlLxyAg/viewform?fbclid=IwY2xjawF9BZJleHRuA2FlbQIxMAABHQ9JVpL-5g2rMQCS5EJYU6OJ7mASBrJWXWgxi4cJRij-OwItNjNI21vqjg_aem_K5LkLzhICmkuqHzJbLFpTQ).

14 Nov HATA regional Hub workshop, St Peters Coll. & OWL Farm, Cambridge. Register [here](https://docs.google.com/forms/d/e/1FAIpQLScj7q4czR57kh0G33TVbRl5ROM1R1IYTBUybcjLgPEhlLxyAg/viewform?fbclid=IwY2xjawF9BZJleHRuA2FlbQIxMAABHQ9JVpL-5g2rMQCS5EJYU6OJ7mASBrJWXWgxi4cJRij-OwItNjNI21vqjg_aem_K5LkLzhICmkuqHzJbLFpTQ).

20 Nov HATA regional Hub workshop, Feilding High School. Register [here](https://docs.google.com/forms/d/e/1FAIpQLScj7q4czR57kh0G33TVbRl5ROM1R1IYTBUybcjLgPEhlLxyAg/viewform?fbclid=IwY2xjawF9BZJleHRuA2FlbQIxMAABHQ9JVpL-5g2rMQCS5EJYU6OJ7mASBrJWXWgxi4cJRij-OwItNjNI21vqjg_aem_K5LkLzhICmkuqHzJbLFpTQ).

20 Nov HATA regional Hub workshop, Marlborough Boys College (10am – 2pm). Register [here](https://docs.google.com/forms/d/e/1FAIpQLScj7q4czR57kh0G33TVbRl5ROM1R1IYTBUybcjLgPEhlLxyAg/viewform?fbclid=IwY2xjawF9BZJleHRuA2FlbQIxMAABHQ9JVpL-5g2rMQCS5EJYU6OJ7mASBrJWXWgxi4cJRij-OwItNjNI21vqjg_aem_K5LkLzhICmkuqHzJbLFpTQ).

20 Nov HATA regional Hub workshop, Geraldine HS. Register [here](https://docs.google.com/forms/d/e/1FAIpQLScj7q4czR57kh0G33TVbRl5ROM1R1IYTBUybcjLgPEhlLxyAg/viewform?fbclid=IwY2xjawF9BZJleHRuA2FlbQIxMAABHQ9JVpL-5g2rMQCS5EJYU6OJ7mASBrJWXWgxi4cJRij-OwItNjNI21vqjg_aem_K5LkLzhICmkuqHzJbLFpTQ).

21 Nov HATA regional Hub workshop, Bream Bay College Northland. Register [here](https://docs.google.com/forms/d/e/1FAIpQLScj7q4czR57kh0G33TVbRl5ROM1R1IYTBUybcjLgPEhlLxyAg/viewform?fbclid=IwY2xjawF9BZJleHRuA2FlbQIxMAABHQ9JVpL-5g2rMQCS5EJYU6OJ7mASBrJWXWgxi4cJRij-OwItNjNI21vqjg_aem_K5LkLzhICmkuqHzJbLFpTQ).

22 Nov HATA regional Hub workshop, Lindisfarne College, Hastings. Register [here](https://docs.google.com/forms/d/e/1FAIpQLScj7q4czR57kh0G33TVbRl5ROM1R1IYTBUybcjLgPEhlLxyAg/viewform?fbclid=IwY2xjawF9BZJleHRuA2FlbQIxMAABHQ9JVpL-5g2rMQCS5EJYU6OJ7mASBrJWXWgxi4cJRij-OwItNjNI21vqjg_aem_K5LkLzhICmkuqHzJbLFpTQ).

22 Nov HATA regional Hub workshop, Wellington HS. Register [here](https://docs.google.com/forms/d/e/1FAIpQLScj7q4czR57kh0G33TVbRl5ROM1R1IYTBUybcjLgPEhlLxyAg/viewform?fbclid=IwY2xjawF9BZJleHRuA2FlbQIxMAABHQ9JVpL-5g2rMQCS5EJYU6OJ7mASBrJWXWgxi4cJRij-OwItNjNI21vqjg_aem_K5LkLzhICmkuqHzJbLFpTQ).

25 Nov HATA regional Hub workshop, Lincoln Uni, Chch. Register [here](https://docs.google.com/forms/d/e/1FAIpQLScj7q4czR57kh0G33TVbRl5ROM1R1IYTBUybcjLgPEhlLxyAg/viewform?fbclid=IwY2xjawF9BZJleHRuA2FlbQIxMAABHQ9JVpL-5g2rMQCS5EJYU6OJ7mASBrJWXWgxi4cJRij-OwItNjNI21vqjg_aem_K5LkLzhICmkuqHzJbLFpTQ).

28 Nov HATA regional Hub workshop, Wakatipu College (2-4pm). Register [here](https://docs.google.com/forms/d/e/1FAIpQLScj7q4czR57kh0G33TVbRl5ROM1R1IYTBUybcjLgPEhlLxyAg/viewform?fbclid=IwY2xjawF9BZJleHRuA2FlbQIxMAABHQ9JVpL-5g2rMQCS5EJYU6OJ7mASBrJWXWgxi4cJRij-OwItNjNI21vqjg_aem_K5LkLzhICmkuqHzJbLFpTQ).

29 Nov HATA workshop for Otago/Southland, Blue Mountain College, Tapanui. Register [here](https://docs.google.com/forms/d/e/1FAIpQLScj7q4czR57kh0G33TVbRl5ROM1R1IYTBUybcjLgPEhlLxyAg/viewform?fbclid=IwY2xjawF9BZJleHRuA2FlbQIxMAABHQ9JVpL-5g2rMQCS5EJYU6OJ7mASBrJWXWgxi4cJRij-OwItNjNI21vqjg_aem_K5LkLzhICmkuqHzJbLFpTQ).

2 Dec 3:30pm. RAMP\* webinar to discuss changes to AgHort standards for 2025. Register [here](https://events.teams.microsoft.com/event/d45dc19d-e07f-4697-b3ef-4878bbc78e35@e6d2d4cc-b762-486e-8894-4f5f440d5f31).

**Biology**

12-14 Nov ChemEd/BioLive, Vic uni, 7:30pm Tues evening – 1pm Fri. [Website](https://confer.eventsair.com/chemed-biolive-2024/)

22 Nov Genomics Aotearoa is running a workshop for CB1.3 at Vic uni, Wgtn. Register [here.](https://events.humanitix.com/ga-ncea-wellington)

25 Nov Hands On Genetics Lab, BEANZ PLD, Kelburn Campus, Vic uni, Wgtn. Register [here](https://forms.office.com/pages/responsepage.aspx?id=Iz7mz1FpfkKGg7uE3PHSDH9qNBdLE8ZDpVnPGs1W7LFUNE8yTVRHQVBESVQ3RkVaRU1OSDlaUEE4Ri4u&route=shorturl).

26 Nov Bio PLD from OSTA at LPHS, Dunedin. Contact Yvonne Caulfield [ymc@lphs.school.nz](mailto:ymc@lphs.school.nz)

**Chemistry**

12-14 Nov ChemEd/BioLive, Vic uni. [Website](https://confer.eventsair.com/chemed-biolive-2024/)

15 Nov Chemistry Teacher’s Day, Chem Bldg 303, Ak uni. Book [here](https://www.eventbrite.co.nz/e/chemistry-teacher-day-ignite-minds-inspire-futures-tickets-1041507877097) for free.

22 Nov OSTA’s Chem PLD at LPHS, Dunedin. Contact Murray Thompson [mbt@lphs.school.nz](mailto:mbt@lphs.school.nz)

**Earth & Space Science**

15 Nov Teachers Only Day for Earth and Space Science at Auckland uni. Register [here](https://forms.gle/XGvRTAewihbEtCHUA).

29 Nov ESS PLD from OSTA at OBHS, Dunedin. Info [here](https://docs.google.com/document/d/10CpvpIHRRnIbEslELWtHtXD0zNfW7qmCJ-PYi4qTHwg).

**Physics**

14 Nov Physics Teachers' Day at Vic Uni’s Kelburn campus, Wellington. Register [here](https://forms.office.com/pages/responsepage.aspx?id=Iz7mz1FpfkKGg7uE3PHSDDuKy5bVKMdBv9AoA0OS0UdUMklFM1dXUjg0RzAxVlFTVzVBRldOQ0czViQlQCN0PWcu&route=shorturl).

27 Nov Physics Teachers’ Day, NPBHS, New Plymouth. 9:30 start. Register with [Kerry Parker](kerry.parker@npbhs.school.nz)

28 Nov Physics Teachers’ Day, Otago uni, Dunedin. 10:00 start. Register [here](mailto:physics.office@otago.ac.nz?subject=Physics%20Teachers'%20Day).

29 Nov Physics Teacher Day, LT401, Engineering building, Ak uni. Register [here](https://docs.google.com/forms/d/e/1FAIpQLSc_tMJCp-rzfmIdyGo-krbFXI5UjNIEycwkuYzU4XHLKtHzoA/viewform) (free this year)

**Science**

11-12 Nov Field-Based STEM NCEA conference for L1, Wairarapa. $285. Register [here](https://field-basedstem.kiwi/conference-event/wairarapa-conference-secondary-schools).

12 Nov BoP Science cluster, 1-3pm, Mt Maunganui College. Register [here](https://forms.office.com/pages/responsepage.aspx?id=DJL26pQHwEytPamHMVXQfSLrXWzUGvtMrldBvt-mPo1UQlo3UFBPMzlERVhHNTRCREFOTlhaMjNaSC4u&route=shorturl).

14-15 Nov Field-Based STEM NCEA conference for L1, Kapiti. $285. Register [here](https://field-basedstem.kiwi/conference-event/kapiti-conference-secondary-schools-2/).

18 Nov NZASE PLD on L1, Palmerston North Boys High School, 2-5pm. Register [here](https://forms.gle/s1XgzHadmPspNUti6)

19-20 Nov Field-Based STEM NCEA conference for L1, Auckland. $285. Register [here](https://field-basedstem.kiwi/conference-event/auckland-north-conference-secondary-schools)

26-27 Nov CSTA day for PCTs (New to teaching or new to teaching in NZ) at Burnside HS.

28 Nov SLH webinar  [Exploring climate change education in secondary schools](https://nzase.us20.list-manage.com/track/click?u=8c425987404cc6d43eb068e6a&id=8b047b4674&e=ad08fc00c8)

**??** Nov NZASE PLD on L1, Waikato 2-5pm. Register [here](https://forms.gle/s1XgzHadmPspNUti6)

**Primary**

11-12 Nov Field-Based STEM primary conference, Wairarapa. $285. Register [here](https://field-basedstem.kiwi/conference-event/wairarapa-conference-primary-schools)

14-15 Nov Field-Based STEM primary conference, Kapiti. $285. Register [here](https://field-basedstem.kiwi/conference-event/kapiti-conference-primary-schools)

19-20 Nov Field-Based STEM primary conference, Auckland. $285. Register [here](https://field-basedstem.kiwi/conference-event/auckland-north-conference-primary-schools)  
27 Nov SLH webinar [Exploring climate change education in primary school](https://nzase.us20.list-manage.com/track/click?u=8c425987404cc6d43eb068e6a&id=3a4a6d4e27&e=ad08fc00c8)

**Everyone**

19 Nov **SLH webinar Understanding climate change, Chris Eames. 4-4:45 pm. R**egister [here](https://waikato.us9.list-manage.com/track/click?u=9735cd79efa925d5756daa13b&id=b740500139&e=0ab915c44b)

4 Dec Review 2024 NCEA exams. Mt Albert Grammar, Auckland, 4-6:30pm. Register[here](https://docs.google.com/forms/d/e/1FAIpQLScHJ8SXuW4VVuamg8ppwB5T_hpXZ7vHyNP7Z0kRY1pXoKXgsg/viewform)

**RAMP\* webinars for more than 1 subject**

28 Nov 3:30pm Unpack changes to L1 Science and L1 PES standards. Register [here](https://events.teams.microsoft.com/event/e2ca317b-09fe-4d3a-9c45-ef9f28368b10@e6d2d4cc-b762-486e-8894-4f5f440d5f31).

3 Dec 3:30pm unpack changes to L1 CB and L3 Bio standards. Register [here](https://events.teams.microsoft.com/event/dbbc42d9-ca3c-49d8-b598-d8dca47a4182@e6d2d4cc-b762-486e-8894-4f5f440d5f31?fbclid=IwY2xjawGYl4dleHRuA2FlbQIxMAABHT5RRCsUoKKSo2B1tUw69omVofuTGk8GnrPvkvUCun0ZIg3hqPc13KaDFQ_aem_w-By784vFCeiuEioi7lyuw).

Term 4 PLD by region

**North**

12 Nov HATA regional Hub workshop, Mt Albert Grammar School, Auckland. Register [here](https://docs.google.com/forms/d/e/1FAIpQLScj7q4czR57kh0G33TVbRl5ROM1R1IYTBUybcjLgPEhlLxyAg/viewform?fbclid=IwY2xjawF9BZJleHRuA2FlbQIxMAABHQ9JVpL-5g2rMQCS5EJYU6OJ7mASBrJWXWgxi4cJRij-OwItNjNI21vqjg_aem_K5LkLzhICmkuqHzJbLFpTQ).

15 Nov Teachers Only Day for Earth and Space Science at UoA. Register [here](https://forms.gle/XGvRTAewihbEtCHUA).

15 Nov Chemistry Teacher’s Day, Chem Bldg 303, Ak uni. Book [here](https://www.eventbrite.co.nz/e/chemistry-teacher-day-ignite-minds-inspire-futures-tickets-1041507877097) for free.

19-20 Nov Field-Based STEM NCEA conference for L1, Auckland. $285. Register [here](https://field-basedstem.kiwi/conference-event/auckland-north-conference-secondary-schools)

19-20 Nov Field-Based STEM primary conference, Auckland. $285. Register [here](https://field-basedstem.kiwi/conference-event/auckland-north-conference-primary-schools)

21 Nov HATA regional Hub workshop, Bream Bay College, Northland. Register [here](https://docs.google.com/forms/d/e/1FAIpQLScj7q4czR57kh0G33TVbRl5ROM1R1IYTBUybcjLgPEhlLxyAg/viewform?fbclid=IwY2xjawF9BZJleHRuA2FlbQIxMAABHQ9JVpL-5g2rMQCS5EJYU6OJ7mASBrJWXWgxi4cJRij-OwItNjNI21vqjg_aem_K5LkLzhICmkuqHzJbLFpTQ).

29 Nov Physics Teacher Day, LT401, Engineering building, Ak uni. Register [here](https://docs.google.com/forms/d/e/1FAIpQLSc_tMJCp-rzfmIdyGo-krbFXI5UjNIEycwkuYzU4XHLKtHzoA/viewform)

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**Central North**

11-12 Nov Field-Based STEM NCEA conference for L1, Wairarapa. $285. Register [here](https://field-basedstem.kiwi/conference-event/wairarapa-conference-secondary-schools).

12 Nov BoP Science cluster, 1-3pm Mt Maunganui College. Register [here](https://forms.office.com/pages/responsepage.aspx?id=DJL26pQHwEytPamHMVXQfSLrXWzUGvtMrldBvt-mPo1UQlo3UFBPMzlERVhHNTRCREFOTlhaMjNaSC4u&route=shorturl).

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14-15 Nov Field-Based STEM NCEA conference for L1, Kapiti. $285. Register [here](https://field-basedstem.kiwi/conference-event/kapiti-conference-secondary-schools-2/).

?? Nov NZASE PLD on L1, Waikato 2-5pm. Register [here](https://forms.gle/s1XgzHadmPspNUti6)

**Central South**

11 Nov HATA regional Hub workshop, Rathkeale College, Wairarapa. Register [here](https://docs.google.com/forms/d/e/1FAIpQLScj7q4czR57kh0G33TVbRl5ROM1R1IYTBUybcjLgPEhlLxyAg/viewform?fbclid=IwY2xjawF9BZJleHRuA2FlbQIxMAABHQ9JVpL-5g2rMQCS5EJYU6OJ7mASBrJWXWgxi4cJRij-OwItNjNI21vqjg_aem_K5LkLzhICmkuqHzJbLFpTQ).

11 Nov HATA Taranaki workshop,10am-12 369 Devon St NP, 1-3pm Stratford HS. Register [here](https://docs.google.com/forms/d/e/1FAIpQLScj7q4czR57kh0G33TVbRl5ROM1R1IYTBUybcjLgPEhlLxyAg/viewform?fbclid=IwY2xjawF9BZJleHRuA2FlbQIxMAABHQ9JVpL-5g2rMQCS5EJYU6OJ7mASBrJWXWgxi4cJRij-OwItNjNI21vqjg_aem_K5LkLzhICmkuqHzJbLFpTQ).

12-14 Nov ChemEd/BioLive, Vic uni, 7:30pm Tues evening – 1pm Fri. [Website](https://confer.eventsair.com/chemed-biolive-2024/)

14 Nov Physics Teachers' Day at Vic Uni’s Kelburn campus, Wellington. Register [here](https://forms.office.com/pages/responsepage.aspx?id=Iz7mz1FpfkKGg7uE3PHSDDuKy5bVKMdBv9AoA0OS0UdUMklFM1dXUjg0RzAxVlFTVzVBRldOQ0czViQlQCN0PWcu&route=shorturl).

18 Nov NZASE PLD on L1, Palmerston North Boys High School, 2-5pm. Register [here](https://forms.gle/s1XgzHadmPspNUti6)

20 Nov HATA regional Hub workshop, Feilding High School. Register [here](https://docs.google.com/forms/d/e/1FAIpQLScj7q4czR57kh0G33TVbRl5ROM1R1IYTBUybcjLgPEhlLxyAg/viewform?fbclid=IwY2xjawF9BZJleHRuA2FlbQIxMAABHQ9JVpL-5g2rMQCS5EJYU6OJ7mASBrJWXWgxi4cJRij-OwItNjNI21vqjg_aem_K5LkLzhICmkuqHzJbLFpTQ).

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27 Nov Physics Teachers’ Day, NPBHS, New Plymouth. 9:30 start. Register with [Kerry Parker](kerry.parker@npbhs.school.nz)

**South**

20 Nov HATA regional Hub workshop, Marlborough Boys College (10am – 2pm). Register [here](https://docs.google.com/forms/d/e/1FAIpQLScj7q4czR57kh0G33TVbRl5ROM1R1IYTBUybcjLgPEhlLxyAg/viewform?fbclid=IwY2xjawF9BZJleHRuA2FlbQIxMAABHQ9JVpL-5g2rMQCS5EJYU6OJ7mASBrJWXWgxi4cJRij-OwItNjNI21vqjg_aem_K5LkLzhICmkuqHzJbLFpTQ).

20 Nov HATA regional Hub workshop, Geraldine HS. Register [here](https://docs.google.com/forms/d/e/1FAIpQLScj7q4czR57kh0G33TVbRl5ROM1R1IYTBUybcjLgPEhlLxyAg/viewform?fbclid=IwY2xjawF9BZJleHRuA2FlbQIxMAABHQ9JVpL-5g2rMQCS5EJYU6OJ7mASBrJWXWgxi4cJRij-OwItNjNI21vqjg_aem_K5LkLzhICmkuqHzJbLFpTQ).

22 Nov OSTA’s Chem PLD at LPHS, Dunedin. Contact Murray Thompson [mbt@lphs.school.nz](mailto:mbt@lphs.school.nz)

25 Nov HATA regional Hub workshop, Lincoln Uni, Chch. Register [here](https://docs.google.com/forms/d/e/1FAIpQLScj7q4czR57kh0G33TVbRl5ROM1R1IYTBUybcjLgPEhlLxyAg/viewform?fbclid=IwY2xjawF9BZJleHRuA2FlbQIxMAABHQ9JVpL-5g2rMQCS5EJYU6OJ7mASBrJWXWgxi4cJRij-OwItNjNI21vqjg_aem_K5LkLzhICmkuqHzJbLFpTQ).

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29 Nov HATA workshop for Otago/Southland, Blue Mountain College, Tapanui. Register [here](https://docs.google.com/forms/d/e/1FAIpQLScj7q4czR57kh0G33TVbRl5ROM1R1IYTBUybcjLgPEhlLxyAg/viewform?fbclid=IwY2xjawF9BZJleHRuA2FlbQIxMAABHQ9JVpL-5g2rMQCS5EJYU6OJ7mASBrJWXWgxi4cJRij-OwItNjNI21vqjg_aem_K5LkLzhICmkuqHzJbLFpTQ).

29 Nov ESS PLD from OSTA at OBHS, Dunedin. Info [here](https://docs.google.com/document/d/10CpvpIHRRnIbEslELWtHtXD0zNfW7qmCJ-PYi4qTHwg).

**Online, available to all**

19 Nov **SLH webinar Understanding climate change, Chris Eames. 4-4:45 pm. R**egister [here](https://waikato.us9.list-manage.com/track/click?u=9735cd79efa925d5756daa13b&id=b740500139&e=0ab915c44b)

27 Nov SLH webinar [Exploring climate change education in primary school](https://nzase.us20.list-manage.com/track/click?u=8c425987404cc6d43eb068e6a&id=3a4a6d4e27&e=ad08fc00c8)

28 Nov SLH webinar  [Exploring climate change education in secondary schools](https://nzase.us20.list-manage.com/track/click?u=8c425987404cc6d43eb068e6a&id=8b047b4674&e=ad08fc00c8)

28 Nov 3:30pm. RAMP\* webinar to discuss changes to L1 Science & L1 PES stds. Register [here](https://events.teams.microsoft.com/event/e2ca317b-09fe-4d3a-9c45-ef9f28368b10@e6d2d4cc-b762-486e-8894-4f5f440d5f31).

2 Dec 3:30pm. RAMP\* webinar to discuss changes to AgHort standards. Register [here](https://events.teams.microsoft.com/event/d45dc19d-e07f-4697-b3ef-4878bbc78e35@e6d2d4cc-b762-486e-8894-4f5f440d5f31).

3 Dec 3:30pm. RAMP\* webinar to discuss changes to L1 CB & L3 Bio standards. Register [here](https://events.teams.microsoft.com/event/dbbc42d9-ca3c-49d8-b598-d8dca47a4182@e6d2d4cc-b762-486e-8894-4f5f440d5f31?fbclid=IwY2xjawGYl4dleHRuA2FlbQIxMAABHT5RRCsUoKKSo2B1tUw69omVofuTGk8GnrPvkvUCun0ZIg3hqPc13KaDFQ_aem_w-By784vFCeiuEioi7lyuw).

\*RAMP = Review and Maintenance Program which has resulted in changes to some standards for 2025. Registering for these webinars ensures you receive the online link as well as the PPT and recording afterwards.