***Term 4 science subject-specific PLD – by date***

* *Nov 12: Waikato,* Biology Moderation Workshop, 9am – 3pm, Waikato Dio, 660 River Rd, Chartwell, Hamilton. Contact Alex McHugh [amchugh@wdsg.school.nz](mailto:amchugh@wdsg.school.nz)
* *Nov 14: Tauranga* ESS enrichment day **Ceri Blears-Woodcock**[cwoodcock@otc.school.nz](mailto:cwoodcock@otc.school.nz)
* *Nov 15: Wellington,* BEANZ workshop, Wellington Girls, 9am- 3pm. Contact Emma Kean, [emma.kean@wgc.school.nz](mailto:emma.kean@wgc.school.nz)
* *Nov 15: Otago,* L1 Science PLDFocus on Biomechanics, by OSTA hosted at Otago uni PE School, Dunedin, contact [pru.casey@gmail.com](mailto:pru.casey@gmail.com)
* *Nov 15: Waikato,* Science symposium*,* Waikato uni, Hamilton, 8:30am – 3:30 pm. Register here <https://www.ivvy.com.au/event/OFRE11/>
* *Nov 18: West Coast,* BEANZ workshop 10am- 3pm, Greymouth High School, Library Annex. Contact Ange Fox, [fox@swas.ac.nz](mailto:fox@swas.ac.nz)
* *Nov 18: Otago,* ESS Senior Subject Day, from OSTA, held at Otago Boys' High School, Dunedin, contact [justin.zani@obhs.school.nz](mailto:justin.zani@obhs.school.nz)
* *Nov 18: Dunedin* ESS enrichment day **Justin Zani**[justin.zani@obhs.school.nz](mailto:justin.zani@obhs.school.nz)
* *Nov 18: Christchurch,* BEANZ workshop 12-3:30 UoC [mattias.wieland@aotawhiti.school.nz](mailto:mattias.wieland@aotawhiti.school.nz)
* *Nov 19: Whanganui,* physics & chemistry gathering (hosted by Vic Uni*)*: [link to register](https://vuw.qualtrics.com/jfe/form/SV_6i2ulCAIcfHZoXP): cost = $40+gst. Q’s to Gabrielle Holmes: gabrielle.holmes@vuw.ac.nz
* *Nov 19:* *Chch*, ESS teachers enrichment day, 9-3, Christ’s College. Practicals, assessments & field trip. Register & enquires to Anna at [ajohnston@christscollege.com](mailto:ajohnston@christscollege.com)
* *Nov 19: Christchurch* ESS enrichment day **Anna Johnston**[ajohnston@christscollege.com](mailto:ajohnston@christscollege.com)
* *Nov 20: Bay of Plenty,* BEANZ workshop - Otumoetai college, Tauranga, 12pm-3pm. Contact Holly Wilson, [hwilson@otc.school.nz](mailto:hwilson@otc.school.nz)
* *Nov 20: Wairarapa,* BEANZ workshop, Solway College 9am-3pm. Contact Erica Jar, [ar@solwaycollege.school.nz](mailto:ar@solwaycollege.school.nz)
* *Nov 20: Otago,* Chemistry Senior Subject Day, from OSTA, at Logan Park High School, Dunedin, contact [mbt@lphs.school.nz](mailto:mbt@lphs.school.nz)
* *Nov 21: Auckland,* IB cluster meeting for group 4 subjects (bi/ch/ph/etc), Diocesan School, Clyde St, Epsom, 1-4pm. [See flier here](https://drive.google.com/open?id=1VP46z9m_Tb11T5isxQ9i--Sp3kbix4cH). For any IB school throughout NZ
* *Nov 21: Auckland,* BEANZ workshop – 10-2:45, Ak uni, register with Heidi Haringa [hrg@northcote.school.nz](mailto:hrg@northcote.school.nz)
* *Nov 21: Auckland,* Vic-Uni chemistry-only-gathering: [link to register](https://vuw.qualtrics.com/jfe/form/SV_6i2ulCAIcfHZoXP): cost = $40+gst. Q’s to Gabrielle Holmes: gabrielle.holmes@vuw.ac.nz
* *Nov 21:* *Otago,* Physics senior subject day, from OSTA, Columba College, Dunedin, contact [bduckett@columbacollege.school.nz](mailto:bduckett@columbacollege.school.nz)

*Nov 21: Nelson* ESS enrichment day **Llara MacGilloway**[llara.macgilloway@ncg.school.nz](mailto:llara.macgilloway@ncg.school.nz)

* *Nov 22: Otago,* BEANZ workshop, 9-3, at Otago Boys. Dunedin, Contact Pru Casey, [pru.casey@obhs.school.nz](mailto:pru.casey@obhs.school.nz)
* *Nov 22: Auckland,* physics teacher day, [link to site](https://sites.google.com/view/uoaptd2017/2019s-day-info) and link to [rego-form](https://docs.google.com/forms/d/e/1FAIpQLScBt_hRz3hmTGIOUPRFWcFh60BWRNOrrI3YZ09lhPtgMSnKZg/viewform).
* *Nov 22: Kaikohe,* BEANZ workshop, Northland College, 10-2:30. [mikhal@actrix.co.nz](mailto:mikhal@actrix.co.nz)
* *Nov 22:* *Hastings*, BEANZ workshop, Karamu high school, 9-3, Sarah [sgunn@karamu.school.nz](mailto:sgunn@karamu.school.nz)
* *Nov 26: Marton,* BEANZ workshop*,* 12-3 Ngatawa School, [DaddyPenny@ngatawa.school.nz](mailto:DaddyPenny@ngatawa.school.nz)
* *Nov 27: Wellington,* physics gathering (Vic-Uni): [link to register](https://vuw.qualtrics.com/jfe/form/SV_6i2ulCAIcfHZoXP): cost = $40+gst. Q’s to Gabrielle Holmes: gabrielle.holmes@vuw.ac.nz
* *Nov 27: Auckland,* Biology in Context Day at Environmental & Animal Sciences, Unitec, 9:30 – 2:30. $35, School name, teacher names & emails to [ocenan@unitec.ac.nz](mailto:ocenan@unitec.ac.nz)
* *Nov 28: Wellington* ESS enrichment day **Shane Delaney**[Shane.Delaney@onslow.school.nz](mailto:Shane.Delaney@onslow.school.nz)
* *Nov 28: Southland,* BEANZ workshop, SBHS 9:30-3 pm, [heather.petelo@sbhs.school.nz](mailto:heather.petelo@sbhs.school.nz)
* *Nov 29: Napier* ESS enrichment day **Mere Manning**[meremanning1@gmail.com](mailto:meremanning1@gmail.com)
* *Nov 29: Hawke’s Bay,* physicsteacher day: Napier Girls [Site here](https://sites.google.com/nghs.school.nz/hbphysicsteachersday/home?authuser=0) – w draft agenda
* *Nov 29: Wellington,* chemistry gathering (Vic-Uni*)*: [link to register](https://vuw.qualtrics.com/jfe/form/SV_6i2ulCAIcfHZoXP): cost = $40+gst. Q’s to Gabrielle Holmes: gabrielle.holmes@vuw.ac.nz
* *Dec 3: Nelson*, physics & chemistry gathering (Vic-Uni): [link to register](https://vuw.qualtrics.com/jfe/form/SV_6i2ulCAIcfHZoXP): cost = $40+gst. Q’s to Gabrielle Holmes: gabrielle.holmes@vuw.ac.nz
* *Dec 4: Auckland,* exam-feedback evening (for bi/ch/ph/sc/ess NCEA exams) run by ASTA at Epsom campus of UoA. Details for rsvp to come out in Oct or Nov.

***Term 4 science subject-specific PLD – by region***

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| Northland:   * *Nov 22: Kaikohe,* BEANZ workshop, Northland College, 10-2:30. [mikhal@actrix.co.nz](mailto:mikhal@actrix.co.nz)   Auckland:   * *Nov 21: (all of NZ) IB cluster meeting* for group 4 subjects (bio/che/phy/etc) = Nov 21st from 1-4pm.  [See flier here](https://drive.google.com/open?id=1VP46z9m_Tb11T5isxQ9i--Sp3kbix4cH). For any school throughout NZ who teaches IB * *Nov 21: Auckland Vic-Uni chem-only-gathering*: [link to register](https://vuw.qualtrics.com/jfe/form/SV_6i2ulCAIcfHZoXP): cost = $40+gst. Q’s to [gabrielle.holmes@vuw.ac.nz](mailto:gabrielle.holmes@vuw.ac.nz) * *Nov 21:* BEANZ workshop – 10-2:45, Ak uni, register with Heidi Haringa [hrg@northcote.school.nz](mailto:hrg@northcote.school.nz) * *Nov 22 physics teacher day* at UoA:  [link to site](https://sites.google.com/view/uoaptd2017/2019s-day-info) and link to [rego-form](https://docs.google.com/forms/d/e/1FAIpQLScBt_hRz3hmTGIOUPRFWcFh60BWRNOrrI3YZ09lhPtgMSnKZg/viewform). * *Nov 27:* Biology in Context Day at Unitec, organized by Mel Galbraith. link to register tbc * Dec 4: *exam-feedback evening* (for bio/che/phy/sci/ess) run by ASTA at Epsom campus of UoA. Details for rsvp tbc.   Waikato:   * *Nov 12:* Biology Moderation Workshop, 9am – 3pm, Waikato Dio, 660 River Rd, Chartwell, Hamilton. Contact Alex McHugh [amchugh@wdsg.school.nz](mailto:amchugh@wdsg.school.nz) * *Nov 15:* Science symposium*,* Waikato uni, 8:30-3:30. Register here [https://www.ivvy.com.au/event/OFRE11/](https://us-west-2.protection.sophos.com/?d=ivvy.com.au&u=aHR0cHM6Ly93d3cuaXZ2eS5jb20uYXUvZXZlbnQvT0ZSRTExLw==&e=ZGF2aWQudGhyYXNoZXJAc3RjdXRoYmVydHMuc2Nob29sLm56&h=deafb565f7e54af599ea111e167e1ba4&t=YktlN0Vya29ocWdxUUpVVGI3bVhiaitaemlWSmdhYytKVllrZ0JtTU9Mbz0=)   Bay of Plenty:   * *Nov 20: Bay of Plenty,* BEANZ workshop - Otumoetai college, 12pm-3pm. Contact Holly Wilson, [hwilson@otc.school.nz](mailto:hwilson@otc.school.nz) * *Nov 14: Tauranga* ESS enrichment day **Ceri** [cwoodcock@otc.school.nz](mailto:cwoodcock@otc.school.nz)   Hawke’s Bay:   * *Nov 29: physics teacher day*: Napier Girls:  [Site here](https://sites.google.com/nghs.school.nz/hbphysicsteachersday/home?authuser=0) – includes draft agenda for day * *Nov 29:* ESS enrichment day **Mere Manning**[meremanning1@gmail.com](mailto:meremanning1@gmail.com) * *Nov 22:* *Hastings*, BEANZ workshop, Karamu High Sch. 9-3, Sarah [sgunn@karamu.school.nz](mailto:sgunn@karamu.school.nz)   Manawatu Whanganui:   * *Nov 19: Whanganui phy&che gathering (hosted by VicUni)*: [link to register](https://vuw.qualtrics.com/jfe/form/SV_6i2ulCAIcfHZoXP): cost = $40+gst. Q’s to [gabrielle.holmes@vuw.ac.nz](mailto:gabrielle.holmes@vuw.ac.nz) * *Nov 26: Marton,* BEANZ workshop*,* 12-3 Ngatawa School, [DaddyPenny@ngatawa.school.nz](mailto:DaddyPenny@ngatawa.school.nz) | Wellington:   * *Nov 15: Wellington,* BEANZ workshop, Wellington Girls, 9am- 3pm. Contact Emma Kean, [emma.kean@wgc.school.nz](mailto:emma.kean@wgc.school.nz) * *Nov 20: Wairarapa,* BEANZ workshop, Solway College 9am-3pm. Contact Erica Jar, [ar@solwaycollege.school.nz](mailto:ar@solwaycollege.school.nz) * *Nov 27 Wellington physics gathering (Vic-Uni)*: [link to register](https://vuw.qualtrics.com/jfe/form/SV_6i2ulCAIcfHZoXP): cost = $40+gst. Q’s to [gabrielle.holmes@vuw.ac.nz](mailto:gabrielle.holmes@vuw.ac.nz) * *Nov 28:* ESS enrichment day **Shane D**[Shane.Delaney@onslow.school.nz](mailto:Shane.Delaney@onslow.school.nz) * *Nov 29: Wellington chem-gathering (Vic-Uni)*:  [link to register](https://vuw.qualtrics.com/jfe/form/SV_6i2ulCAIcfHZoXP): cost = $40+gst. Q’s to gabrielle.holmes@vuw.ac.nz     Nelson:   * *Nov 21:* ESS enrichment day **Llara MacGilloway**[llara.macgilloway@ncg.school.nz](mailto:llara.macgilloway@ncg.school.nz) * Dec 3: Nelson phy & che gathering (Vic-Uni): [link to register](https://vuw.qualtrics.com/jfe/form/SV_6i2ulCAIcfHZoXP): cost = $40+gst. Q’s to gabrielle.holmes@vuw.ac.nz   West Coast:   * *Nov 18:* BEANZ workshop 10am- 3pm, Greymouth High School, Library Annex. Contact Ange Fox, [fox@swas.ac.nz](mailto:fox@swas.ac.nz)   Christchurch   * *Nov 18: Christchurch,* BEANZ workshop 12-3:30 UoC [mattias.wieland@aotawhiti.school.nz](mailto:mattias.wieland@aotawhiti.school.nz) * *Nov 19: Christchurch* ESS enrichment day **Anna**[ajohnston@christscollege.com](mailto:ajohnston@christscollege.com)   Otago:   * *Nov 15: Year 11 Science PD Focus on Biomechanics* - to be held at the University of Otago PE School [pru.casey@gmail.com](mailto:pru.casey@gmail.com) * *Nov 18: ESS Senior Subject Day:* Otago Boys' High School: contact [justin.zani@obhs.school.nz](mailto:justin.zani@obhs.school.nz) * *Nov 18:* ESS enrichment day **Justin Zani**[justin.zani@obhs.school.nz](mailto:justin.zani@obhs.school.nz) * *Nov 20: Chemistry Senior Subject Day*, Logan Park High School contact [mbt@lphs.school.nz](mailto:mbt@lphs.school.nz) * *Nov 21: Physics Senior Subject Day*: Columba College: contact [bduckett@columbacollege.school.nz](mailto:bduckett@columbacollege.school.nz) * *Nov 22:* BEANZ workshop, 9-3, venue tbc. Contact Pru Casey, [pru.casey@obhs.school.nz](mailto:pru.casey@obhs.school.nz)   Southland   * *Nov 28:* BEANZ workshop, SBHS 9:30-3 pm, [heather.petelo@sbhs.school.nz](mailto:heather.petelo@sbhs.school.nz) |
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***Term 4 science subject-specific PLD – by subject***

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| Biology-only:   * *Nov 12: Waikato,* Biology Moderation Workshop, 9am – 3pm, Waikato Dio, 660 River Rd, Chartwell, Hamilton. Contact Alex McHugh amchugh@wdsg.school.nz * *Nov 15: Wellington,* BEANZ workshop, Wellington Girls, 9am- 3pm. Contact Emma Kean, emma.kean@wgc.school.nz * *Nov 18: West Coast,* BEANZ workshop 10am- 3pm, Greymouth High, Library Annex. Contact Ange [fox@swas.ac.nz](mailto:fox@swas.ac.nz) * *Nov 18: Christchurch,* BEANZ workshop 12-3:30 UoC [mattias.wieland@aotawhiti.school.nz](mailto:mattias.wieland@aotawhiti.school.nz) * *Nov 20: Bay of Plenty,* BEANZ workshop - Otumoetai college, 12pm-3pm. Contact Holly Wilson, hwilson@otc.school.nz * *Nov 20: Wairarapa,* BEANZ workshop, Solway College 9am-3pm. Contact Erica Jar, [ar@solwaycollege.school.nz](mailto:ar@solwaycollege.school.nz) * *Nov 21: Auckland,* BEANZ workshop – 10-2:45, Ak uni, register with Heidi Haringa [hrg@northcote.school.nz](mailto:hrg@northcote.school.nz) * *Nov 22: Otago,* BEANZ workshop, 9-3, venue tbc. Contact Pru Casey, [pru.casey@obhs.school.nz](mailto:pru.casey@obhs.school.nz) * *Nov 22: Kaikohe,* BEANZ workshop, Northland College, 10-2:30. [mikhal@actrix.co.nz](mailto:mikhal@actrix.co.nz) * *Nov 22:* *Hastings*, BEANZ workshop, Karamu high school, 9-3, Sarah [sgunn@karamu.school.nz](mailto:sgunn@karamu.school.nz) * *Nov 26: Marton,* BEANZ workshop*,* 12-3 Ngatawa School, [DaddyPenny@ngatawa.school.nz](mailto:DaddyPenny@ngatawa.school.nz) * *Nov 27: Auckland* Biology in Context Day at Unitec, organized by Mel Galbraith. link to register tbc * *Nov 28: Southland,* BEANZ workshop, SBHS 9:30-3 pm, [heather.petelo@sbhs.school.nz](mailto:heather.petelo@sbhs.school.nz)   Chemistry-only:   * *Nov 20: Otago Chemistry Senior Subject Day*, Logan Park High School contact mbt@lphs.school.nz * *Nov 21: Auckland Vic-Uni chem-only-gathering*: [link to register](https://vuw.qualtrics.com/jfe/form/SV_6i2ulCAIcfHZoXP): cost = $40+gst. Q’s to Gabrielle Holmes: gabrielle.holmes@vuw.ac.nz * *Nov 29: Wellington chem-gathering (Vic-Uni)*:  [link to register](https://vuw.qualtrics.com/jfe/form/SV_6i2ulCAIcfHZoXP): cost = $40+gst. Q’s to Gabrielle Holmes: gabrielle.holmes@vuw.ac.nz | Physics-only:   * *Nov 21: Otago Physics Senior Subject Day*: Columba College: contact [bduckett@columbacollege.school.nz](mailto:bduckett@columbacollege.school.nz) * *Nov 22 Auckland physics teacher day* at UoA:  [link to site](https://sites.google.com/view/uoaptd2017/2019s-day-info) and link to [rego-form](https://docs.google.com/forms/d/e/1FAIpQLScBt_hRz3hmTGIOUPRFWcFh60BWRNOrrI3YZ09lhPtgMSnKZg/viewform). * *Nov 27 Wellington physics gathering (Vic-Uni)*: [link to register](https://vuw.qualtrics.com/jfe/form/SV_6i2ulCAIcfHZoXP): cost = $40+gst. Q’s to Gabrielle Holmes: gabrielle.holmes@vuw.ac.nz * *Nov 29: Hawke’s Bay physics teacher day*: Napier Girls:  [Site here](https://sites.google.com/nghs.school.nz/hbphysicsteachersday/home?authuser=0) – includes draft agenda   Combinations of phy/che/bio/ … :   * *Nov 15: Waikato,* Science symposium*,* Waikato uni, 8:30am – 3:30 pm. Register here [https://www.ivvy.com.au/event/OFRE11/](https://us-west-2.protection.sophos.com/?d=ivvy.com.au&u=aHR0cHM6Ly93d3cuaXZ2eS5jb20uYXUvZXZlbnQvT0ZSRTExLw==&e=ZGF2aWQudGhyYXNoZXJAc3RjdXRoYmVydHMuc2Nob29sLm56&h=deafb565f7e54af599ea111e167e1ba4&t=YktlN0Vya29ocWdxUUpVVGI3bVhiaitaemlWSmdhYytKVllrZ0JtTU9Mbz0=) * *Nov 15: Otago, Year 11 Science PD Focus on Biomechanics* - University of Otago PE School [pru.casey@gmail.com](mailto:pru.casey@gmail.com) * *Nov 18: Otago ESS Senior Subject Day:* Otago Boys' High School: contact [justin.zani@obhs.school.nz](mailto:justin.zani@obhs.school.nz) * *Nov 19: Whanganui* physics & chemistry *gathering (hosted by VicUni)*: [link to register](https://vuw.qualtrics.com/jfe/form/SV_6i2ulCAIcfHZoXP): cost = $40+gst. Q’s to gabrielle.holmes@vuw.ac.nz * *Nov 21: (all of NZ) IB cluster meeting* for group 4 subjects (bio/che/phy/etc) = Nov 21st from 1-4pm.  [See flier here](https://drive.google.com/open?id=1VP46z9m_Tb11T5isxQ9i--Sp3kbix4cH). For any school throughout NZ who plays in the IB-puddle, please share this with your fellow bio/che teachers. * Dec 3: Nelson physics & chemistry gathering (Vic-Uni): [link to register](https://vuw.qualtrics.com/jfe/form/SV_6i2ulCAIcfHZoXP): cost = $40+gst. Q’s to Gabrielle Holmes: gabrielle.holmes@vuw.ac.nz * Dec 4: *Auckland exam-feedback eve* (for bio/che/phy/sci/ess) run by ASTA at Epsom campus of UoA. Details for rsvp tbc.   ESS   * ***Nov 14 – Tauranga:* Ceri Blears-Woodcock**[cwoodcock@otc.school.nz](mailto:cwoodcock@otc.school.nz) * ***Nov 18 – Dunedin:* Justin Zani**[justin.zani@obhs.school.nz](mailto:justin.zani@obhs.school.nz) * ***Nov 19 – Christchurch*: Anna Johnston**[ajohnston@christscollege.com](mailto:ajohnston@christscollege.com) * ***Nov 21 – Nelson*: Llara MacGilloway**[llara.macgilloway@ncg.school.nz](mailto:llara.macgilloway@ncg.school.nz) * ***Nov 28 – Wellington*: Shane Delaney**[Shane.Delaney@onslow.school.nz](mailto:Shane.Delaney@onslow.school.nz) * ***Nov 29 – Napier*: Mere Manning**[meremanning1@gmail.com](mailto:meremanning1@gmail.com) |