**ESSENZ webinars           Other Providers**

**June 14th: Jenny Pollock on 'Hints for Research Assessments' -  2.2 (91188), 3.2 (91411) and 2.4 (91190).  
Time: 7.30 - 9.00 pm**  **Zoom link:**<https://us02web.zoom.us/j/88095470930?pwd=VHRZVkM4bDlCZUJWN2FxUm0vZkRhZz09> This webinar will cover the assessment clarifications, ideas for topics, writing reports and hints and help specific to each standard.

**June 16th: Science Learning Hub Webinar: Matariki and the Environment**   
Apologies from the Science Learning Hub team, unfortunately due to COVID, the live webinar – Te Kahui o Matariki and the environment has been cancelled.  
We are working on a recorded session that will provide a deeper look at some of the Ministry for the Environment and the Science Learning Hub Te Kāhui o Matariki resources. If you have registered for the live webinar you will automatically be sent the link to the recording and supporting materials as soon as it is live.   
**ESSENZ will let you know when this becomes available.**

**June 21st Pipiri: Matariki, the maramataka and understanding climatic and environmental change.   
Time: 7.30 start.  
Link for registration:**<https://deepsouthchallenge.co.nz/matariki/>[Matariki kōrero: Ka rongo te pō, ka rongo te ao: Matariki and our understandings of climate and environmental change.](https://royalsociety.us4.list-manage.com/track/click?u=aeb1040afb4474ec7a22ca8da&id=04ec0e3000&e=6fb4ec618e)  
In this virtual hui, Deep South National Science Challenge will host a special conversation between Rikki Solomon and Naomi Simmonds on Matariki, the maramataka and understanding climatic and environmental change.

**June 23rd: Mere Manning on TE POU TUARUA: APPLYING OUR TE AO MĀORI CULTURAL LENS TO CURRICLUM WRITING:  
Time: 7.00 - 8.30 pm**  
**Zoom link:**<https://us02web.zoom.us/j/83178220973?pwd=7wq0NgloHT-rg9n8_2DYVyKB9J_yu6.1>

**Te Kaupapa:**This 90 minute webinar is aimed at now using our Te Ao Māori cultural lens to apply an authentic mātauranga Māori approach to curriculum writing. Kaiako will be guided through an exemplar and the whakaaro behind the mātauranga Māori used to create this document.  
Kaiako are asked, if possible, to bring an exemplar of their own to share or a template/draft of one they have been working on that they may like to add to during this webinar.  
Through the whakaaro shared by the facilitator in her approach taken and those attending, other kaiako new to this space may go away with a better idea on how to apply an authentic approach to their own writing.  
It is also hoped that a kaupapa may come out of this second webinar for a “next steps from here” webinar or ESS facilitated regional hui in term 3/4.

**June 28th: Keith Hartle: Misconceptions Webinar 2  
Time:  7.00 - 7.30 pm**   
**Zoom link:** <https://us02web.zoom.us/j/88458666991?pwd=Q0wwZ0VvU2hFVGU2K3VNWnVNeUVyZz09>  Understanding the basic principles about Heat Energy and Heat Transfer is important for understanding how Earth's systems operate, such as the internal structure of the Earth to weather, ocean currents, land and sea breezes and atmospheric heating and convection cells.  
Many students hold misconceptions in their understanding of heat energy and temperature which they transfer into the big picture items associated with Earth and its systems.  This webinar highlights some of these misconceptions that occur and provides some strategies that may hopefully enable students to gain a fundamental understanding of these principles so that they be correctly applied in different Earth system contexts.

**July 5th: Gary Sparks: 'The Secret Lives of Stars  
Time: 7.00 - 8.00 pm  
Zoom link:**<https://us02web.zoom.us/j/84695170874?pwd=cU03ck5zOWdxaW1ydVVwL3h2SUZ3Zz09>

Gary will go through the process of stellar evolution starting from a single hydrogen atom through to black hole formation. Along the way he will use visible (naked eye and binocular) examples from the night sky whenever possible. The dynamic nature of the HR diagram will be a central theme.  
If time allows Gary will also look at the structure and extent of our Solar System, the formation of our Moon and other natural satellites. He may also touch on the different theories of planetary formation.