

Day 2 ~ Teaching through Inquiry using Sensors

This conference is the second in a series of three day seminars run in collaboration with the Amgen Science Teacher Training Initiative. Day two will focus on developing Inquiry Based Science Education (IBSE) strategies using sensors. Participants will participate in the following sessions during the course of the day:

Session 1: Data logging and Inquiry in Biology and Chemistry: In conjunction with the European Inspiring Science (ISE) programme, data logging experiments in biology and chemistry will be on show. Vernier will demonstrate the power of data logging and how it can assist in the classroom by giving fast and accurate results every time. You can also learn how to integrate data logging wirelessly with iPad and other smart devices and how data can be shared with everyone in the classroom with a single data logger. The team will be there to answer your questions on specific sensors and each session will have an introductory “get you started on data logging” session.” ISE Ireland team be on hand to demonstrate the digital resources and inquiry based class plans available to Irish schools interested in providing engaging, effective e-tools for science teaching. More information about ISE involvement will be available at the session



Session 2: Using sensors to explore energy: CASTEL in conjunction with SEAI will offer a workshop on energy. Lesson plans and worksheets will be available for teachers at this workshop.



Session 3: Argumentation in Science Teaching and Learning: Argumentation is about providing justification to claims with evidence. Suppose we make a claim about the particulate nature of matter. How do we know that matter consists of particles? What is the evidence? How do we know how to select which evidence? There is now substantial amount of research that informs us about how to design science lessons and professional development to enhance argumentation. In this workshop, resources that have developed to enhance the use of argumentation in secondary science lessons will be explored. The participants will engage in activities and trial strategies for supporting argumentation.

Course Date & Venue:

Date	Time	Venue
Saturday 28th of February	9.30 a.m. —3.30 p.m.	Maynooth University

Registration:

To register on this course you will need to register with the Amgen Science Teacher Training Initiative at <http://goo.gl/zrOpb8>

For further details contact **Limerick Education Centre**

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