About the PL course

This Teacher Professional Learning course is designed to inform and engage participants in implementing scientific investigations in their classroom.

Using group discussion and experiential learning it leads Teachers through the knowledge and skills for Science education. The activities include a fair test, working in collaborative teams, science inquiry skills, the 3 types of scientific investigations and the 5E’s teaching and learning model; Engage; Explore; Explain; Elaborate; Evaluate (Australian Academy of Science, 2009).

Working Scientifically PL Program

3.55 Welcome & Registration
4.00 Introduction and course outline
   Correlating Teacher anxiety in Science: Capturing Teacher’s current beliefs about their Science teaching skills.
4.10 Overview of the new NSW Science Syllabus K-12 and connection to sustainability.
4.45 Scientific skills & “Science in a cup of tea and lamington”: Introducing and practicing observation & interpretation skills through the science in everyday activities.
5.30 Tea, Coffee & Lamingtons
5.45 Introducing the Fairness Test and the Water Lab Science Investigation scaffold: Video, form and grid to develop understanding of Fair Test predictions, variables & reporting.
6.15 Three ways to “do” Science: Comparing open ended, challenge based and closed investigations. Working in small research teams to conduct an investigation. Examining science investigation assessment examples.
6.50 Planning a Science Unit
   use a 5E planning sheet to identify a program development structure for a water unit.
   Correlating Teacher anxiety in Science: Revisit the Teacher’s beliefs about their Science teaching skills.
7.00 Close

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