

Hands On Scientific Experimental Design for Primary K-6

In this workshop, teachers will proceed as if they are students undertaking a student centred investigation.

Initially, the workshop will look at the conventional manner of presenting a scientific investigation. A number of engaging hands on resources will be offered for teachers to devise their own investigation. We intend that the investigations be related directly to NSW science syllabus outcomes. All resources will be simple, accessible and inexpensive.. In small groups teachers will devise their own research question/aim using one of the resources that is offered.

They will then write a methodology which will be reviewed by the facilitators before proceeding with their experiment, collecting data, writing a discussion and conclusion. They will present their findings to the group and elicit discussions to encourage further experimentation. Throughout this workshop teachers will bear in mind that the investigations will be student centred.

It is a unique, highly practical professional development opportunity.

Who would benefit from this workshop?

- K-6 teachers interested in practical science activities that relate to the syllabus outcomes.
- Proficient Teachers who wish to support their professional development through attendance at and participation in professional learning opportunities.

This Professional Development activity addresses the following Australian Professional Standards for Teachers:

2.1.2 - Apply knowledge of the content and teaching strategies of the teaching area to develop engaging teaching activities, and

3.4.2 - Select and/or create and use a range of resources, including ICT, to engage students in their learning.

Details of the teacher workshop

Equipment: All materials provided.

Course numbers: A minimum of 20 participants is required and is limited to a maximum of 36 teachers.

Duration: This workshop will be three hours long.

Where: It can be conducted at your school OR at another venue (to be arranged).

Enrolment : Contact presenter for enrolment procedure for schools or individuals

When: The workshop can be conducted during school hours or after school hours at a date of your choosing.

Cost: \$70 per person (No GST) if hosted by a school,

or \$80 per person (no GST) if conducted at a venue booked by Scienza Viva.

Hands On Scientific Experimental Design Teacher's Workshop

By the end of this course teachers will be confident in their ability to facilitate engaging relevant and inexpensive investigations which align with the syllabus outcomes.

The session allows for use of a variety of materials ranging from simple recyclable materials to their own video and computer resources.

Risk assessment addressed.

What is Scienza Viva?

Operated by Dr Effie Howe, Scienza Viva has been bringing hands on science activities to schools in NSW since 2002. We have been offering Professional Development activities to NSW teachers since 2009.

The Presenter

Effie Howe B.App.Sc, M.Sc, Ph.D. & Grad Dip Ed

Effie is a secondary science teacher who also has over 20 years experience as a working scientist in universities and CSIRO, and a broad range of experience in field biology and in laboratory investigation. As well as bringing these activities to schools, Effie's teaching experience includes developing and teaching environmental biology and biology courses at TAFE colleges and universities.

Contact Details

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