



UNIVERSITY  
OF TASMANIA

# Schools, University and Industry: Encouraging Students into Science Study and Careers in Primary Industry



## *The National Primary Industry Centre for Science Education*

### Preamble:

**PICSE** focuses upon connecting secondary science teachers and tertiary bound science students with primary industry science and career paths.

### Target Audience:

Science teachers and high school students with the ability and enthusiasm for science at university level.

### Leading the Project:

Assoc Prof David Russell (UTAS) and eleven other Science Education Officers, all science educators, respected by peers, with an understanding of research and industry culture.

Paul O'Halloran and Gordon Stone lead the National Delivery and Evaluation Programs respectively.



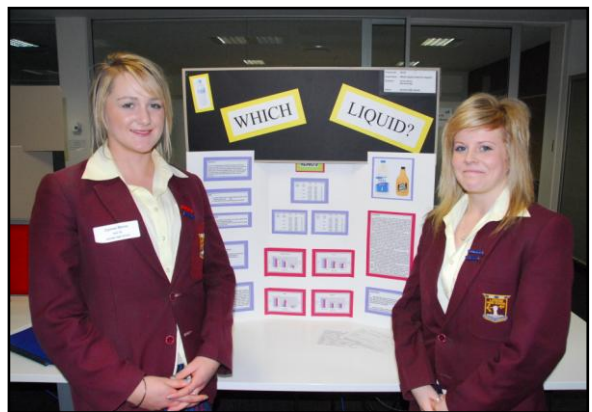
### The Strategy:- an Integrated Program for Schools:

The program has an annual cycle consisting of six phases.

- Science Education Officers deliver a **slide presentation to Year 11/12 science classes**, illustrating cutting edge research and the importance of science to primary industry.
- Two-day program of **professional development** for teachers, exposing current research and highlighting the relevance of classroom science to industry.
- Selected students participate in a **five-day camp** in December which illustrates the career and research opportunities for university agricultural/science students.



- These students are placed with an individual industry for five days in January, under an **Industry Placement Scholarship** program.
- Selected teachers work with industry scientists and University researchers to provide science **teaching resources**.
- PICSE Science Education Officers work with teachers to prepare their students for an annual **Science Investigation Awards** presentation day, in which members of the scientific and local communities judge the students' investigations.



### PICSE Partners:

- Grains Research and Development Corporation
- Horticulture Australia Limited
- Fisheries Research and Development Corporation
- Cotton Research and Development Corporation
- Dairy Australia Limited
- Cotton Cooperative Research Centre
- The School of Agricultural Science, University of Tasmania (lead organisation)
- University of Western Australia
- University of New England (NSW)
- Flinders University (SA)
- University of Southern Queensland
- University of Sunshine Coast
- Local Industries in all Centres



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