

REAL WORLD SCIENCE 2010

There is need to re-imagine the way science is taught in schools.

Local industry and employment providers have concerns regarding the lack of suitably qualified young adults who are prepared for and have interest in applied sciences and technology.

Suitably qualified young adults are required to make sufficient contributions to the economic growth of the Australian business community and to the productivity of the nation as a whole.

Real World Science is positioned to make a contribution to the enhancement of student engagement in science learning and nurture interest and motivation to choose science based career avenues.

The vision of Real World Science is to bring a shift to student engagement in school science through meaningful and challenging science experiences.

Project Coordinator, KIEP.



KWINANA INDUSTRIES EDUCATION PARTNERSHIP....

Bringing together Science in Industry with Science in the classroom.

Contextualizing and bringing relevance of school science to the current and future lives of the young Australian.



Real World Science & Kwinana Industries Education Partnership acknowledges the championing support of:

-All local participating schools

-Kwinana Industries Council & the following Participating Kwinana Industry providers:

ALCOA, Coogee Chemicals, Kwinana Water Reclamation Plant, Nufarm Australia, Perth Sea-Water Desalination Plant, TiWest Joint Venture, Verve Energy, & Wesfarmers LPG.

-Education and training centers:

Challenger TAFE/West Australian Maritime Training Centre & Murdoch University (Rockingham).



KWINANA INDUSTRIES EDUCATION PARTNERSHIP....

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REAL WORLD SCIENCE

The mission:



To facilitate relevant teacher professional development that builds the capacity of the classroom practitioner to provide effective and productive pedagogy



that consequently raises science and scientific literacy enhancing a shift in student engagement in science learning.

REAL WORLD SCIENCE PROJECTS

Science Education and Applied Technology Association - facilitating opportunities for the development of meaningful collegiality

SEATA

Real World Science Enrichment Activities for year 9 students

**RWSE
110
210&,310**

Yr. 10 science student Research Group Leaders 2009—a model for maintaining links.

RGL 2010

Real World Science Conference 2009 - a conference to sustain engagement in science in year 12 and beyond.

RWSC 2010

School Liaison Partnerships - establish support system to nurture an enhancement of productive pedagogy in local schools with regard to Real World Science .

SLP's

Mapping Applied Science located in Kwinana Industries. To facilitate relevance of courses of study in years 11 and 12.

MAP's

Teacher Industry Encounters - taking teachers on tours to places of applied science and technology. Supporting the development and on-going knowledge construction of science teachers; in support of place based pedagogy.

TIE's 2010

Teacher Professional Development - Seeking appropriate and relevant professional development events for local science teachers.

TPD 2010

Teacher Industry Placements - providing extended periods of time in Industry. Linking Real World Science teachers with local industries through an extended and meaningful way; facilitating sustainable connections between school and industry.

**TIP's
2010**

Science Education and Small Business Enterprise - Identifying sustainable models linking science and general school learning with career avenues.

SESBE

Year 8 Real World Science Quiz - bringing communities together to enhance science learning in schools.

**RWSQ
2010**

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