

Schools

A number of schools are participating in PEETA (Promoting Engineering Education, Training and Articulation) as part of the Defence Industry Skills Strategy

Each school committed to introducing new courses or customising current programs as well as developing high quality engineering-related resources and projects.

In 2007, the 13 schools that are involved are:

- Applecross SHS
 - Comet Bay High
 - Hamilton SHS
 - Kolbe Catholic college
 - Gilmore College (formerly Kwinana SHS)
 - NorthLake Senior Campus
 - Rockingham SHS
 - Rossmoyne SHS
 - Safety Bay
 - South Fremantle
 - Swanview SHS
 - Warnbro Community College
 - Willetton SHS
- Kolbe Catholic College

Kolbe is developing its Material Technology course for year 8-12 students and will use aspects of the Defence Industry to get students to solve real design problems whilst using a variety of systems technologies.

In Year 8 students' design and build an "emergency car" over 12 weeks and parents are invited to a race day to view students' achievements. The project-based learning approach enables students to understand the nature of axle and bearing systems and how momentum applies to design requirements. Students gain a knowledge of basic electrical and electronic systems and practise soldering skills in building circuit boards.

In Year 9 students design and manufacture an electromechanical "lolly dispenser" over 20 weeks. They construct a series circuit and gearbox using crocodile technology and determine gear ratios and speeds.