Engineering Graduate Attribute Mapping With Proficiency Levels

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Drivers and Inspiration:
- Engineering education reform; Globalisation and mobility; Pathways
- Engineers for the Future: - Addressing the supply and quality of Australian engineering graduates for the 21st century. (King, 2008):
  "Raise the public perception of engineering ("...including within primary and secondary schools...")"
- Implement best-practice engineering education ("...define curricula more strongly around engineering problem solving, engineering application and practice, and develop the themes of design...")

Two Federally Funded Projects:
- Design Based Curriculum Reform within Engineering Education (Australian Learning and Teaching Council)
- Australian Technology Network (ATN) Engineering in Schools (Collaboration and Structural Reform)

Key Contributions:
- CDIO Syllabus linked to the Australian context
- Extended CDIO framework recognising preparatory levels of proficiency
- Engineers Australia Graduate Attributes
- Washington Accord Graduate Attributes
- Queensland University of Technology Graduate Capabilities

Resources - http://aaee-scholar.pbworks.com/CDIO-PBL

A Demonstration Mapping Tool

Vision for an Integrated Curriculum Information System