# Models of Achievement

## CURRICULUM MAP - ENGINEERING

<table>
<thead>
<tr>
<th>Stage</th>
<th>Subject</th>
<th>Standard Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STAGE 4</strong></td>
<td><strong>English</strong></td>
<td>4.1.1</td>
<td>Describes a range of plant species and animals breeds used in agricultural enterprises</td>
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<td></td>
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<td>4.1.2</td>
<td>Outlines the interactions within and between the agricultural sector and systems</td>
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<td></td>
<td><strong>ENGLISH</strong></td>
<td>EN5-7D</td>
<td>Understands and evaluates the diverse way texts can represent personal and public worlds</td>
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<td>EN5-8D</td>
<td>Questions, challenges and evaluates cultural assumptions in texts and their effects on meaning</td>
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<td></td>
<td></td>
<td>ENLS-4A</td>
<td>Views and responds to a variety of visual texts</td>
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<td>ENLS-5A</td>
<td>Recognises and uses visual texts, media and multimedia for a variety of purposes</td>
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<td>ENLS-7A</td>
<td>Uses strategies to obtain meaning from and interpret a range of texts</td>
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<td>ENLS-13C</td>
<td>Engages critically with texts using personal experiences</td>
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<td>ENLS-15D</td>
<td>Responds to and composes texts that explore personal, social and world issues</td>
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<tr>
<td><strong>STAGE 5</strong></td>
<td><strong>Geography</strong></td>
<td>5.7</td>
<td>Analyses the impacts of different perspectives on geographical issues at local, national and global scales</td>
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<td>5.8</td>
<td>Accounts for differences within and between Australian communities</td>
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<tr>
<td></td>
<td><strong>Industrial Technology</strong></td>
<td>5.51</td>
<td>Applies and transfers acquired knowledge and skills to subsequent learning experiences in a variety of contexts and projects</td>
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<tr>
<td></td>
<td></td>
<td>5.7.1</td>
<td>Describes, analyses and uses a range of current, new and emerging technologies and their various applications</td>
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<tr>
<td></td>
<td><strong>Science</strong></td>
<td>SC5 PW3</td>
<td>Outline recent examples where scientific or technological developments have involved specialist teams from different branches of science, engineering and technology, eg low-emissions electricity generation and reduction in atmospheric pollution</td>
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<td></td>
<td>SC4 PW</td>
<td>Additional investigate some simple machines, eg levers, pulleys, gears or inclined planes</td>
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</tbody>
</table>

*Mapped to Australian Curriculum and NSW BOSTEC standards as at March 2014*
## STAGE 6

### English
- **P1.2** Explores the ideas and values of the texts
- **P2.1** Comprehends written, spoken and multi-modal texts at an appropriate level to enrich their personal lives and to provide a sound basis for current and future education, careers and citizenship

### Science
- **P5** Identifies areas of current scientific research

### Society and Culture
- **P1** Identifies and applies social and cultural concepts
- **P2** Describes personal, social and cultural identity
- **H1** Evaluates and effectively applies social and cultural concepts
- **H2** Explains the development of personal, social and cultural identity
- **H5** Analyses continuity and change and their influence on personal and social futures

### Legal Studies
- **P1** Identifies and applies legal concepts and terminology
- **P4** Discusses the effectiveness of the legal system in addressing issues

### Community and Family Studies
- **P1.1** Describes the contribution an individual’s experiences, values, attitudes and beliefs make to the development of goals

### Engineering Studies
- **P1.2** Explains the relationship between properties, structure, uses and applications of materials in engineering
- **P2.2** Describes the nature of engineering in specific fields and its importance to society
- **P4.2** Uses resources effectively and safely in the development and production of design solutions

### General Capabilities:
- Ethical understanding
- Intercultural understanding
- Literacy
- Personal and social capability
- Civics and Citizenship
- Difference and diversity

### Cross Curricular Priorities:
- Sustainability

### Core: My Working Life and Module 11 – School Developed Module
- **Outcome 1** Investigates a range of work environments
- **Outcome 4** Assesses pathways for further education, training and life planning
- **Outcome 8** Assesses influences on people’s working lives
- **Outcome 9** Evaluates personal and social influences on individuals and groups

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