Electrotechnology Curriculum Framework HSC Content overview - DRAWINGS, DIAGRAMS AND COMPLIANCE

- working with drawings, diagrams, schedules and manuals
  - technical standards applying to electrical and/or electronic work
  - reading and interpretation
    - obtaining information
      - convey information
    - workplace procedures for obtaining information
    - importance of ensuring
    - version control
    - currency of amendment status

- electrical drawings and diagrams
  - purpose, features and differences of different types
  - types of electrical/communication installations
  - standard drawing scales and legends

- architectural drawings
  - types of architectural drawings
  - showing layouts and/or location of:
    - floor plan
    - site plan
    - standard drawing
    - detailed drawing
  - purpose and key features
  - common applications
  - sketching
  - connection of equipment
  - conversion of circuit diagram to a wiring diagram
  - cable type
  - cable schedules
  - development of switching charts for identification of switch terminals
  - purpose of electrical/communication installations
  - cooperation between trades

- drawings, diagrams and compliance
  - correct choice for work functions
  - standard layout
  - scope of work covered by electrical licensing
  - legislation related to safe electrical and/or electronic installations
  - technical standards applying to electrical and/or electronic work
  - Differs between a regulation, standard and code of practice
  - relationship to building construction work
  - relationship to compliance schemes
  - legal and/or statutory requirements
  - scope of work covered by electrical licensing
  - role and function of:
    - Standards Australia
    - International Organisation for Standardisation (ISO)
    - International Electrotechnical Commission (IEC)
  - typical job specification systems (including NATSPEC)
  - compliance
    - local service requirement
    - purpose and development
    - safety and environmental aspects
  - conventions
    - Australian standard symbols
    - abbreviations and terminology
  - importance of ensuring
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  - purpose and development
  - relationship to compliance schemes
  - arrangement and use
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