Performance standards for Design, Technology and Engineering  
Stage 1

Downloaded from the online subject outline

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| - | Investigation and Analysis | Design Development and Planning | Production | Evaluation |
| A | Comprehensive and thoughtful review of the design features of products, processes, materials, systems, and/or production techniques.  Planned and thorough research and discussion of ethical, legal, economic, and/or sustainability issues related to a solution. | Polished and comprehensive communication of design concepts, using relevant technical language.  Insightful planning and development of design concepts and procedures. | Highly proficient application of skills, processes, procedures, and techniques to create a solution.  Comprehensive development of solutions to technical problems that arise during the solution realisation. | Comprehensive and insightful evaluation of the solution features, realisation process, and/or response to issues. |
| B | Logical and well-considered review of the design features of products, processes, materials, systems, and/or production techniques.  Detailed and considered research and discussion of ethical, legal, economic, and/or sustainability issues related to a solution. | Thoughtful and well-considered communication of design concepts, using relevant technical language.  Well-considered planning and development of design concepts and procedures. | Proficient application of skills, processes, procedures, and techniques to create a solution.  Thoughtful development of solutions to technical problems that arise during the solution realisation. | Well-informed and detailed evaluation of the solution features, realisation process, and/or response to issues. |
| C | Informed review of the design features of products, processes, materials, systems, and/or production techniques.  Research and discussion of ethical, legal, economic and/or sustainability issues related to a solution. | Clear communication of design concepts using technical language.  Competent planning and development of design concepts and procedures. | Competent application of skills, processes, procedures and techniques to create a solution.  Development of solutions to technical problems that arise during the solution realisation. | Considered evaluation of the solution features, realisation process, and/or response to issues. |
| D | Identification of the design features of products, processes, materials, systems, and/or production techniques.  Some description of information about ethical, legal, economic, and/or sustainability issues related to a solution. | Basic communication of design concepts, using some technical language.  Some planning and development of design concepts and/or procedures. | Basic application of some skills, processes, procedures, and techniques to create a solution.  Some endeavour to develop solutions to technical problems that arise during the solution realisation. | Some description of the solution features, realisation process, and/or response to issues. |
| E | Attempted identification of the design features of products, processes, materials, systems, and/or production techniques.  Some accessing of information about ethical, legal, economic, and/or sustainability issues related to a solution. | Superficial and simplistic communication of design concepts.  Limited use of information to plan design concepts. | Limited application of emerging skills.  Attempted development of a solution to a technical problem. | Emerging recognition of the solution features, realisation process, and/or response to issues. |