Performance standards for Design, Technology and Engineering  
Stage 2

Downloaded from the online subject outline

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| - | Investigation and Analysis | Design Development and Planning | Production | Evaluation |
| A | Comprehensive and insightful analysis of the design features of products, processes, materials, systems, and/or production techniques.  Purposeful research and critical analysis of ethical, legal, economic, and/or sustainability issues. | Insightful and comprehensive communication of design concepts using relevant technical language and visual representations.  Insightful and thorough planning, development, testing, and validation 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 | Thoughtful and well-considered analysis of the design features of products, processes, materials, systems, and/or production techniques.  Detailed research and well‑considered analysis of ethical, legal, economic, and/or sustainability issues. | Thoughtful and well-considered communication of design concepts, using relevant technical language and visual representations.  Well-considered planning, development, testing, and validation 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 | Considered analysis of the design features of products, processes, materials, systems, and/or production techniques.  Research and some analysis of ethical, legal, economic, and/or sustainability issues. | Clear communication of design concepts, using technical language and some visual representations.  Competent planning, development, testing, and validation of some 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. | 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. | 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. |