

KS4 Graphics Curriculum Plan 2014-15

Exam Board: AQA

Taught 10 hours a fortnight

<http://filestore.aqa.org.uk/subjects/AQA-4550-W-SP-14.PDF>

Full details of the units:

Designing Skills	Candidates should be taught to: <ol style="list-style-type: none">1. be creative and innovative when designing;2. design products to meet the needs of clients and consumers;3. understand the design principles of form, function and fitness for purpose;4. understand the role that designers and product developers have, and the impact and responsibility they have on and to society;5. analyse and evaluate existing products, including those from professional designers;6. develop and use design briefs and specifications for product development;7. consider the conflicting demands that moral, cultural, economic, and social values and needs can make in the planning and in the designing of products;8. consider environmental and sustainability issues in designing products;9. consider health and safety in all its aspects;10. anticipate and design for product maintenance where appropriate;11. design for manufacturing in quantity and be aware of current commercial/industrial processes;12. generate design proposals against a stated design criteria, and to modify their proposals in the light of on-going analysis, evaluation and product development;13. reflect critically when evaluating and modifying their design ideas and proposals in order to improve the products throughout inception and manufacture;14. use, where appropriate, a range of graphic techniques and ICT (including digital media), including CAD, to generate, develop, model and communicate design proposals;15. investigate and select appropriate materials and components;16. plan and organise activities which involve the use of materials and components when developing or manufacturing;17. devise and apply test procedures to check the quality of their work at critical/key points during development, and to indicate ways of modifying and improving it when necessary;18. communicate the design proposal in an appropriate manner;19. be flexible and adaptable when designing;20. test and evaluate the final design proposal against the design specification;21. evaluate the work of other designers to inform their own practice;22. understand the advantages of working collaboratively as a member of a design team;23. understand the need to protect design ideas.
Making Skills	Candidates should be taught to: <ol style="list-style-type: none">1. select and use tools/equipment and processes to produce quality products;2. consider the solution to technical problems in the design and manufacture process;3. use tools and equipment safely with regard to themselves and others;4. work accurately and efficiently in terms of time, materials and components;5. manufacture products applying quality control procedures;6. have knowledge of Computer Aided Manufacture (CAM) and to use as appropriate;7. ensure, through testing, modification and evaluation, that the quality of their products is suitable for intended users and devise modifications where necessary that would improve the outcome(s);8. recognise the advantages of working as part of a team when designing and

	making products
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