



Design Technology Pros6

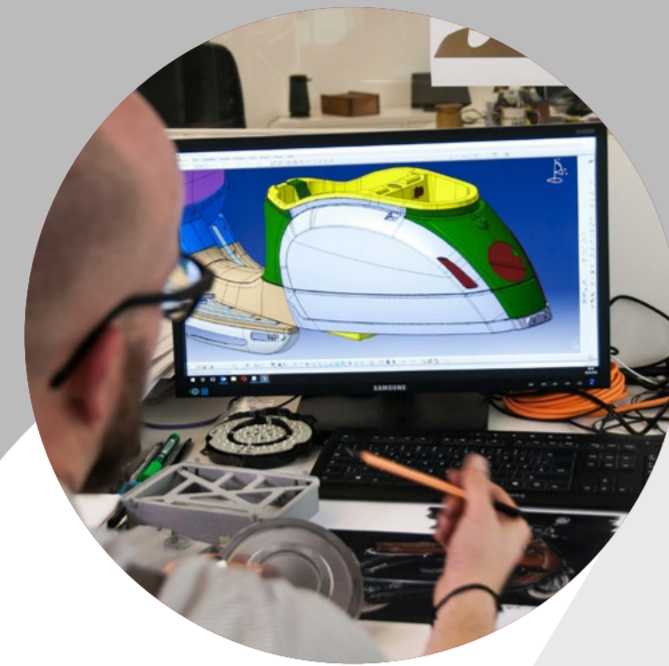
Mastery in Year 13

- Ability to explain, contextualise and assess the every aspect of designing, developing and making products to a high quality commercial standard.
- An extended in depth knowledge of how quality assurance, sustainability, SEM issues and marketing can affect consumer choice and the success of a product.



Mastery in Year 12

- Ability to explain, contextualise and assess the every aspect of designing, developing and making products to a high quality commercial standard.
- An extended in depth knowledge of the properties of all materials, manufacturing methods and product life cycles.



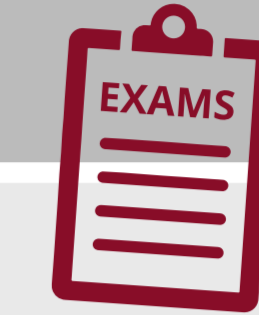
NEA – EVALUATION / REVISION RE-KAP

How has your final design met the contextual challenge? What needs to be improved?



REVISION RE-KAP

What topics do you know? What topics do you need to revise further?



REVISION AND COMMENCEMENT OF EXTERNAL EXAMS

TRANSITION



NEA – MAKE PROTOTYPE

How can thorough testing eliminate errors?



NEA – MAKE PROTOTYPE

What can a designer do to enhance the longevity of a products life cycle?



NEA – DESIGN & DEVELOPMENT

What social, moral or ethical issues might a designer be faced with?



NEA – RESEARCH & DESIGN

What are the different scales of production? Which one does CAD/CAM have most purpose for?



NEA – RESEARCH & DESIGN

Why should a designer have their designs legally patented?



YEAR 13

NEA – DESIGN & DEVELOPMENT

Why is the use of 2D and 3D modelling essential in design communication in the 21st Century?



DESIGN AND MAKE PROJECT (MAKE & EVALUATION)

What are the characteristics of composites, smart and modern materials that can be applied to existing products to enhance them for the end user?



DESIGN AND MAKE PROJECT (DEVELOPMENT & MAKE)

Can polymers be made biodegradable?



YEAR 12

DESIGN AND MAKE PROJECT (RESEARCH)

How are materials classified?



DESIGN AND MAKE PROJECT (DESIGN)

How can the properties of papers and boards / woods be enhanced?

