

KS3 Technology: Key Skills & Concepts	Emerging	Developing	Securing	Mastering
Aeroplane Project - Practical Woodworking, safety in the workshop and CAD/CAM skills.	You have produced a complete and finished product using a Pillar drill, Belt sander, Tenon saw and finished it with varnish.	You have produced a high quality product with minimal mistakes. You have successfully used a Pillar drill, Belt sander, Tenon saw and finished it to a high standard using varnish after carefully sanding it.	You have produced a high quality product with minimal mistakes. You have successfully integrated CAD/CAM using the Stika machine, Laser cutter or both to enhance your design.	You have produced an exceptionally high quality product with no quality mistakes. You have successfully integrated CAD/CAM using the Stika machine and Laser cutter to enhance your design.
Aeroplane Project - Theory Woodworking tools, safety in the workshop and CAD/CAM skills.	You can name some workshop safety points. You can identify some key wood working tools.	You can name appropriate machine specific workshop safety points. You can identify most key wood working tools.	You can name appropriate machine specific workshop safety points. You can identify and fully label all key wood working tools.	You can name appropriate machine specific workshop safety points. You can identify and fully label all key wood working tools. You can fully explain and name the difference between permanent and non permanent joining techniques.
Cam Toy Project - Practical Understanding Mechanisms, assembling following instructions, and CAD/CAM work.	You have followed a set of instructions and produced a complete, working and finished product using the different equipment.	You have produced a high quality product with minimal mistakes. You have finished it to a high standard using colour printing after carefully sanding it.	You have produced a high quality, working product with minimal mistakes. You have successfully integrated CAD/CAM using the Stika machine, Laser cutter or both to enhance your design. The follower moves up and down smoothly.	You have produced an exceptionally high quality, fully working product with no quality mistakes. You have successfully integrated CAD/CAM using the Stika machine and Laser cutter to enhance your design. The follower moves up and down smoothly.
Cam Toy Project - Theory Understanding Mechanisms, types of motion, CAM systems, and CAD/CAM work.	You can name most of the Types of Motion and can give vague everyday examples. You can name one of the types of CAM and can identify some of the tools you used.	You can name all of the Types of Motion and can give appropriate everyday examples. You can name both of the types of CAM and can identify some of the tools you used.	You can name all of the Types of Motion and can give specific everyday examples. You can name all the elements of a CAM System and can identify the tools you used.	You fully understand and can explain in detail the Types of Motion with specific everyday examples. You have an accurate knowledge of all the tools and equipment you used. You can fully explain how changing the shape of the CAM affects the motion of the follower.