





Year 8: ASK Yourself!

Subject: Design and Technology

Unit: Moodlight

	Launching	Developing	Progressing	Mastering
 S skills				
Design	I find it hard to come up with unique design solutions and they are often similar to existing products.	My designs clearly meet the design criteria, are detailed and fully thought through.	My designs are also always creative and innovative with a clear passion for design shown.	I have designed a product which goes above and beyond what was asked and have added unique features.
Soldering	I had a good attempt at soldering but found it hard and needed assistance.	My circuit board is neat and fully working but some joints are rough or needed re-doing.	My circuit board was soldered professionally and without mistakes.	I found soldering easy and was able to assist other students with their circuits.
Vacuum Forming	My packaging functioned but could be neater and I did need help.	I produced a neat packaging solution but needed some help using the vacuum former.	I used the vacuum former without assistance and made a fully working packaging solution.	I demonstrated I know and understand the principles of the vacuum former and its uses.
 K knowledge				
Computer Aided Design	I am learning 2D CAD and am building my knowledge through using the software.	I am learning 3D CAD and am confident with 2D CAD and able to use it without help.	I can use 2D and 3D CAD and can combine components in assemblies.	I also skilfully use both 2D and 3D CAD, to produce complex and realistic products.
Computer Aided Manufacture	I design products suitable for manufacture on the laser cutter.	I am capable of using the laser cutter but with assistance from others.	I am able to set up the laser cutter and use it on a variety of materials without aid.	I also demonstrate a clear understanding of CAM in industry and its advantages.
Health and Safety	I am learning the health and safety rules but sometimes need to be reminded.	I understand and follow good health and safety practice while in the DT department.	I always use machines in a safe way without needing assistance or reminding.	I am able to set up and use a variety of machines in a way which is safe for myself and others.