Year 9: ASK Yourself!

Subject: Design and Technology - Materials Technology
Unit: Magical moving mechanisms CAD automaton design and teamwork project

	Launching 1-2	Developing 3-4	Progressing 5-6	Mastering 7-9
S kills				
Learn to modify an existing CAD template to laser cut an automaton	I needed help from my teacher to modify the CAD template provided.	I can find it hard to modify an existing CAD drawing without teacher help. I will continue to try.	I can modify an existing CAD drawing using 2Ddesign software for use on the laser cutter with limited teacher guidance.	I can accurately modify an existing CAD drawing using 2Ddesign software for use on the laser cutter.
Learn to work out the team assembly details needed to manufacture the teams automatons and keep evidence images	I will develop if I try to be more patient. I should try to think through the making stages and plan them. I need to be more willing to work with others and modify my plans.	I found it hard to make a personal or group plan for making out automatons. I need to be more flexible when planning and working with others.	I made a personal plan and worked reasonably well with the other members of my team when assembling our automatons.	I was able to work with others to constructively plan and organise a making sequence for the manufacture of the automatons.
Learn to work as part of a team to assemble the groups automatons. Keep evidence images and link them to the 12 skills that require evidence	I need to focus more following the guidance and direction of my team. I find it hard to work constructively with other on team activities.	I need to be more willing to make a contribution to my team and recognise I need to develop this skill when completing a team assembly process.	I have made a reasonable contribution to my team which enabled them to be successful when completing the assembly process.	I made a significant contribution to my team which enabled them to be successful when completing the assembly process.
K nowledge				
Learn the 2D design software tools to modify	I am not clear how to use the 2D design software. My teacher helped	I understand some of 2D design software tools but needed help from	I understand how to modified the CAD template provided, and only	I effectively modified the CAD template provided, demonstrating a

the CAD template provided	me to finish my personal CAD drawing. I now need to practice more and try to remember how the software tools work.	my teacher. I now need to practice more thoroughly when using the software in the future.	needing limited support. This demonstrates a reasonable understanding of the 2D design software and its application.	clear understanding of the 2D design software and its application.
Learn to present my thinking as a coherent design e-portfolio and how to save it for assessment.	I produced a limited e-portfolio design folio. I need to seek help in future when I have to save for assessment.	I produced an e-portfolio design folio. I needed help to save it correctly for assessment.	I produced a visually complete A3 e-portfolio design folio. I need to add more detailed notes in the future. I saved it correctly for assessment.	I produced to a high standard, a visually complete power e-portfolio design folio. I saved it correctly for assessment.