



CROMPTON HOUSE SCHOOL –
KS4 & 5 KEY ASSESSMENT FEEDBACK
SHEET



STUDENT

GRADE ATTAINED =

TARGET GRADE TO BEAT =

Steps to
Progression
(Staff comments)



NEA - [Section D: Development of design prototypes](#)

19-25

- Excellent justification provided for selection of appropriate materials and components and proposed techniques and processes, demonstrating an excellent understanding of material properties to ensure excellent quality prototype(s) that are fit for purpose.
- Significant complexity or challenge is involved throughout the production of prototype(s). The student demonstrates excellent manufacturing skills combined with an excellent understanding of the need for dimensional accuracy and precision.
- The student has selected and used appropriate tools, machinery and equipment, including CAM where required, and worked with a high level of skill, precision and accuracy to produce their prototype(s).
- Prototype(s) fully address the design brief, satisfying all major points of the specification and take into account all amendments/modifications to their original design proposals as necessary.
- Student makes all required modifications to the prototype in a fully considered manner in light of feedback from user trials and third party feedback and as a result of testing and evaluation carried out against earlier iterations of the prototype.
- Quality assurance is evident throughout and it is clear where planned quality control checks have been applied throughout the process to ensure consistency and safety.
- Clear evidence throughout the manufacturing process that appropriate health and safety processes have been both considered and employed.

In order to achieve the above criteria, you need to have all green in the PLC below:

I can:	R	A	G
D1: I can provide excellent justification for selection of appropriate materials and components and proposed techniques and processes.			
D2: I can demonstrate an excellent understanding of material properties to ensure excellent quality prototype(s) that are fit for purpose.			
D3: I can produce a prototype with significant complexity or challenge throughout the production of prototype(s).			
D4: I can demonstrates excellent manufacturing skills combined with an excellent understanding of the need for dimensional accuracy and precision.			
D5: I can select and used appropriate tools, machinery and equipment, including CAM where required.			
D6: I can work with a high level of skill, precision and accuracy to produce my prototype(s).			
D7: I can produce a prototype which fully address the design brief, satisfying all major points of the specification.			

D8: I can take into account all amendments/modifications to my original design proposals as necessary.				
D9: I can record all required modifications to the prototype in a fully considered manner in light of feedback from user trials and third party feedback and as a result of testing and evaluation carried out against earlier iterations of the prototype.				
D10: I can apply Quality assurance throughout and it is clear where planned quality control checks have been applied throughout the process to ensure consistency and safety.				
D11: I can provide clear evidence throughout the manufacturing process that appropriate health and safety processes have been both considered and employed.				
WHAT AM I DOING WELL:	NOW I AM GOING TO:			WHEN I NEED TO DO IT BY:
				